काशी हिन्दू विश्वविद्यालय

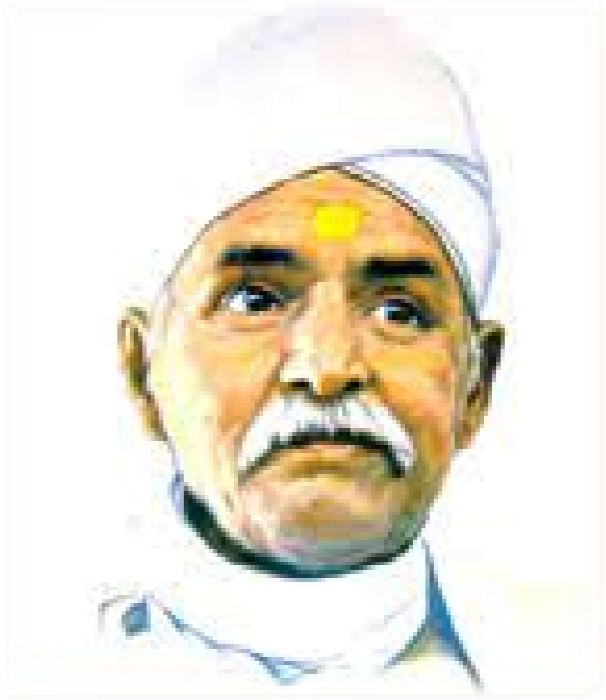
BANARAS HINDU UNIVERSITY

ANNUAL REPORT

2024-25

ENGLISH VERSION

Annual Report 2024 – 25



संस्थापक

काशी हिन्दू विश्वविद्यालय

भारत रत्न महामना पण्डित मदन मोहन मालवीय

२५.१२.१८६१ - १२.११.१९४६

(पौष कृष्ण अष्टमी, वि. सं. १९१८ – मार्गशीर्ष कृष्ण पंचमी, वि. सं. २००३)

The Founder

of

BANARAS HINDU UNIVERSITY

Bharat Ratna Mahamana Pandit Madan Mohan Malaviya

25.12.1861 – 12.11.1946

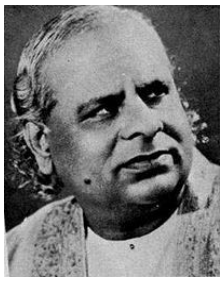
(Paush Krishna Ashtami, V.S. 1918 – Margshirsha Krishna Panchami, V.S. 2003)

न त्वहं कामये राज्यं न स्वर्गं नापुनर्भवम् ।
कामये दुःखतप्तानां प्राणिनामार्तिनाशनम् ॥

"I do not covet kingdom, neither heaven, nor Nirvana
The only desire I have is to serve Disconsolate"

- Mahamana Malaviya

Written by :
Dr. Shanti Swarup Bhatnagar
Eminent Scientist
Composed by :
Pt. Onkar Nath Thakur
Eminent Scholar of Music





कुलगीत

मधुर मनोहर अतीव सुन्दर,यह सर्वविद्या की राजधानी।

यह तीनो लोकों से न्यारी काशी।
सुज्ञान धर्म और सत्यराशी॥
बसी है गंगा के रम्य तट पर,यह सर्वविद्या की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

नये नहीं हैं यह ईंट पत्थर।
है विश्वकर्मा का कार्य सुन्दर॥
रचे है विद्या के भव्य मंदिर,यह सर्व सृष्टि की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

यहाँ की है यह पवित्र शिक्षा।
कि सत्य पहले फिर आत्म-रक्षा॥
बिके हरिश्चंद्र थे यहीं पर,यह सत्यशिक्षा की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

यह वेद ईश्वर की सत्यवाणी।
बने जिन्हें पढ़ के ब्रह्मज्ञानी॥
थे व्यास जी ने रचे यहीं पर,यह ब्रह्मविद्या की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

यह मुक्तिपद को दिलाने वाले।
सुधर्म पथ पर चलाने वाले॥
यहीं फले फूले बुद्ध शंकर,यह राजऋषियों की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

सुरम्य धारायें वरूणा अस्सी।
नहाए जिनमे कबीर तुलसी॥
भला हो कविता का क्यों न आकर,यह बागविद्या की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

विविध कला अर्थशास्त्र गायन।
गणित खनिज औषधि रसायन॥
प्रतीचि-प्राची का मेल सुन्दर,यह विश्वविद्या की राजधानी।
मधुर मनोहरअतीव सुन्दर,यह सर्वविद्या की राजधानी॥

यह मालवीय जी की देश भक्ति।
यह उनका साहस यह उनकी शक्ति॥
प्रकट हुई है नवीन होकर,यह कर्मवीरों की राजधानी।
मधुर मनोहर अतीव सुन्दर,
यह सर्वविद्या की राजधानी॥

Kulgeet (English Translation)

So sweet serene, infinitely beautiful
This is the presiding centre of all learning

Radiant Kashi, wonder of the three worlds
Treasure-Chest of Jnana , Dharma and Satya
Nesting on Ganga`s bank, centre of all disciplines.
(So sweet, serene, infinitely beautiful)

No Recent work of brick and stone
Primordial design of divinity alone
Mansions of Vidya, centre of all creation.
(So sweet, serene, infinitely beautiful)

Clear here is the doctrine pure
Truth first, then only one' self
Home of Harishchandra, Truth's testing ground.
(So sweet, serene, infinitely beautiful)

The voice of God in Vedic record
Constant Inspiration for soul-accord
Work-shop of Veda Vyasa, centre freedom for Bhrahma Vidya
(So sweet, serene, infinitely beautiful)

Find here the steps of freedom
Tread here the path of Dharma
Flaming trail Budha`s and Shankara`s centre for philosopher-kings.
(So sweet, serene, infinitely beautiful)

Life-Giving waters of Varuna and Assi
Sustenance of Kabir and Tulsi
Fountainhead of eloquent speech and poetry.
(So sweet, serene, infinitely beautiful)

Music, Economics, other arts so many
Maths, Mining, Medicine and Chemistry
Fraternal forum of East and West, university in trust sense.
(So sweet, serene, infinitely beautiful)

Patriotism of Malviyaji
His intrepidity and energy
All in youthful manifestation,
centre for men of action

So sweet, serene, infinitely beautiful
This is the presiding centre of all learning.

From the Vice-Chancellor's Desk



It is my privilege to present the Annual Report of Banaras Hindu University for the year 2024–25. The report encapsulates the University's major academic and research milestones, reflecting our commitment to promoting excellence, encouraging innovation, and holistic development of our students. The year 2024–25 has been one of significant progress and achievements for the University. Guided by the vision of our revered founder, Mahamana Pandit Madan Mohan Malaviya Ji, BHU continues to uphold its glorious legacy of scholarship, research, and contribution to nation building.

During the year, 115 distinguished faculty members joined the University, bringing with them global experience, academic rigour, pursuit of research and passion for teaching. The research strength of the University is reflected in over 4,980 scholarly publications, collectively garnering more than one lakh citations with an H-index of 268. The filing of 33 new patents and grant of 18 patents underscore BHU's growing focus on innovation and research which can positively impact the society.

Research funding reached new heights with 184 new projects worth ₹69.7 crore granted to the University, to add to the 560 ongoing projects valued at ₹206.9 crore. The University's vibrancy was richly sustained through 272 academic events such as conferences and the outreach by 386 faculty members who stepped out of the University to contribute to academic events in India and abroad. It is needless to say that the root of the achievements have been its commitment to decentralised and participatory management with emphasis on optimising administrative efficiency.

On the infrastructural front, the ongoing development of a state-of-the-art Critical Care and Burn Unit and the National Centre for Ageing mark major milestones. Continued modernization of laboratories, classrooms, hostels, and digital facilities further enhances our academic and residential environment. Efforts have been made to provide international exposure to teachers, provide international research experience to PhD scholars and make available to them internship, fellowship and teaching opportunities. The Institution of Eminence Program and the funds made available through it have helped in this regard. These efforts have motivated teachers and students to emerge as intellectual powerhouses and contribute to the nation's growth. The success of the Incubation Centre and popularity of Swayam Courses introduced by the faculty members suggest that these are getting appreciated outside the University.

As BHU advances towards greater heights in imparting an enriching academic experience to its stakeholders, along with diversity and inclusivity, we reaffirm our resolve to nurture human values and societal well-being while competing at the global stage, true to the spirit of the Mahamana's vision of education as a force for national transformation.

Prof. Ajit Kumar Chaturvedi

CONTENTS

Part-I

1. INTRODUCTION

1.1. The University at a Glance 13-19
1.2. Highlights of the Year 20-27
1.3. Social Connect 28

2. ACADEMIC UNITS

2.1. Institutes

2.1.1. Institute of Agricultural Sciences (comprising Faculty of Agriculture and Faculty of Veterinary & Animal Sciences) 30-33
2.1.2. Institute of Medical Sciences (comprising Faculty of Modern Medicine, Faculty of Ayurveda and Faculty of Dental Sciences) 34-38
2.1.3. Institute of Environment & Sustainable Development (comprising Faculty of Environment & Sustainable Development) 39-40
2.1.4. Institute of Management Studies (comprising Faculty of Management Studies) 41-43
2.1.5. Institute of Science (comprising Faculty of Science) 44-47

2.2. College (Maintained by the University)

2.2.1. Mahila Mahavidyalaya 48-50

2.3. Faculties

2.3.1. Faculty of Arts 51-53
2.3.2. Faculty of Commerce 54-56
2.3.3. Faculty of Education 57-59
2.3.4. Faculty of Law 60-61
2.3.5. Faculty of Performing Arts 62-64
2.3.6. Faculty of Social Sciences 65-67
2.3.7. Faculty of Sanskrit Vidya Dharma Vigyan 68-70
2.3.8. Faculty of Visual Arts 71-73

2.4. Centres

2.4.1. Centre of Study for Genetic Disorders 74
2.4.2. DST – Centre for Interdisciplinary Mathematical Sciences 74-75
2.4.3. Centre for Women Studies & Development 75
2.4.4. Malaviya Centre for Peace Research 76
2.4.5. Centre for Integrated Rural Development 76-77
2.4.6. Centre for Study of Social Inclusion 77
2.4.7. Malaviya Moolya Anusheelan Kendra 77
2.4.8. Bharat Adhyayan Kendra 77-78
2.4.9. Vedic Vigyan Kendra 78
2.4.10. Intercultural Study Centre 78-79

2.5. Rajiv Gandhi South Campus 80-81

3. SCHOOLS (Maintained by the University)

3.1. Central Hindu Boys School 83-84
3.2. Central Hindu Girls School 85-86
3.3. Shri Ranvir Sanskrit Vidyalaya 87-88

4. CENTRAL FACILITIES

4.1. Central Library 90-96
4.2. Malaviya Mission Teacher Training Centre 97
4.3. Staff Development Cell 98-99
4.4. Central Discovery Centre 100-101
4.5. Atal Incubation Centre 102-103
4.6. SAATHI 104-105
4.7. University Science Instrumentation Centre (USIC) Level – II 106

5. UNIVERSITY HERITAGE

5.1. Malaviya Bhavan 108-109
5.2. Bharat Kala Bhavan 110

6. HUMAN RESOURCE PROFILE

6.1. Teachers
6.1.1. Number of Teachers 112-114
6.1.2. Publications 115
6.1.3. Major Projects Undertaken 115
6.1.4. Conferences / Seminars / Workshops Organised 116
6.1.5. Participations in Academic Events 116
6.1.6. Patents Filed / Granted 116
6.1.7. Awards and Recognitions 117

6.2. Non-Teaching Staff 118

7. ACADEMIC AND STUDENT AFFAIRS

7.1. Academic Programmes 120-124
7.2. Award of Degree 125
7.3. Student Strength 126-127
7.4. Student Amenities, Support & Activities
7.4.1. Hostel for Students (Male) 128
7.4.2. Hostel for Students (Female) 129
7.4.3. Hostel for Students (Foreign) 129
7.4.4. Scholarship / Fellowship 130-131
7.4.5. University Sports Board 131-137
7.4.6. Health Care 137-138

7.4.7. National Social Service (NSS) 138
7.4.8. National Cadet Corps (NCC) 138-139
7.4.9. City Delegacy 139-140
7.4.10. Air Strip & Helipad 140
7.4.11. Counselling and Stress Management Cell 140
7.4.12. Career Guidance Training and Placement Cell 141-142
7.4.13. Equal Opportunity and Inclusive System 142-143
7.4.14. Extra-Curricular Activities 143

8. SERVICES AND OTHER UNITS

8.1. Hospital & Health Care Centre 145-146
8.2. Estate Office 146
8.3. Computer Centre 146-147
8.4. Guest House Complex 147-148
8.5. Conference Halls 148-149
8.6. Canteens 149
8.7. Alumni Relations Office 150
8.8. International Centre 150-151
8.9. Information and Public Relations Office 151-152
8.10. Electricity and Water Supply Services 153
8.11. Building Maintenance 153-154
8.12. Shopping Complex 154
8.13. BHU Club 154-155
8.14. Banks and Post Office 155
8.15. Hindi Publication Cell 155-156
8.16. BHU Press 156

9. EVENTS ORGANIZED 157-158

10. SUMMARY OF ACCOUNTS 159

11. COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

11.1. Arya Mahila P.G. College 161
11.2. Vasanta College for Women 161-162
11.3. Vasant Kanya Mahavidyalaya 162
11.4. DAV P.G. College 162

12. OTHER INSTITUTIONS IN BHU CAMPUS

12.1. Indian Institute of Technology (BHU) 164
12.2. Mahamana Pandit Madan Mohan Malaviya Cancer Centre, BHU 164-165
12.3. Inter University Centre for Teacher Education, BHU 165
12.4. Kendriya Vidyalaya (BHU Campus) 165-166
12.5. Indira Gandhi National Open University Varanasi Regional Centre, BHU 166

Part-II

Annexure-I	Publications	167-238
Annexure-II	Projects	239-257
Annexure-III	Conferences and Seminars	258-261
Annexure-IV	Deputation	262-281
Annexure-V	Patents	282-284
Annexure-VI	Awards	285-291

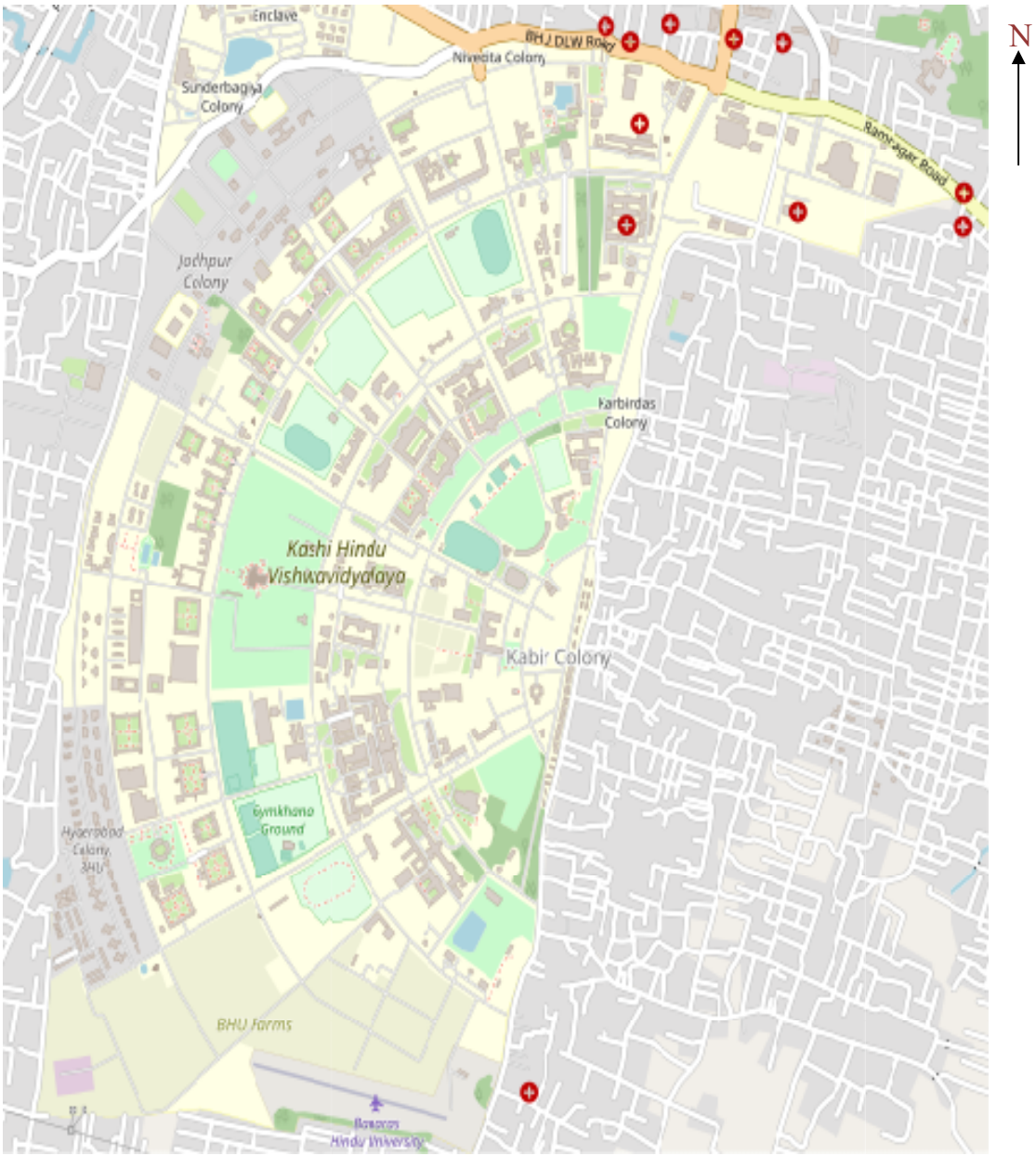
1. INTRODUCTION

THE UNIVERSITY AT A GLANCE

HIGHLIGHTS OF THE YEAR

SOCIAL CONNECT

BHU CAMPUS


N
Enclave
BHU DLW Road
Nivedita Colony
Sunderbagiya Colony
Ramnagar Road
Jodhpur Colony
Karbirdas Colony
Kashi Hindu Vishwavidyalaya
Kabir Colony
Gymkhana Ground
Hyderabad Colony, BHU
BHU Farms
Banaras Hindu University



The Founder's Vision

- *"It is my earnest hope and prayer, that this centre of life and light, which is coming into existence, will produce students who will not only be intellectually equal to the best of their fellow students in other parts of the world, but will also live a noble life, love their country and be loyal to the Supreme Ruler."*
- *"A teaching university would but half perform its function, if it does not seek to develop the heart power of its scholars with the same solicitude with which it develops their brain power. Hence, this university has placed formation of character in youth as one of its principal objects. It will seek not merely to turn out men as Engineers, Scientists, Doctors, Theologists, Merchants, but also as men of high character, probity and honour, whose conduct through life would show that they bear the hallmark of a great university."*

Objectives of the University

- To promote the study of the Hindu Shastras and Sanskrit literature as a means of preserving and popularizing for the benefit of the Hindus in particular and of the world at large in general.
- To promote learning and research in Arts and Sciences in its branches.
- To advance and diffuse such scientific, technical and professional knowledge, combined with the necessary practical training to promote indigenous industries and developing the material resources.
- To promote the building up of character in youth by religion and ethics as an integral part of education.



1.1. THE UNIVERSITY AT A GLANCE

Banaras Hindu University (BHU) stands as a resplendent symbol of India's intellectual heritage and modern aspiration—one of the most prestigious and historic centres of learning in the nation. Conceived in 1916 by the visionary nationalist leader, Pandit Madan Mohan Malaviya, the University was founded with the noble mission of harmonising India's cultural ethos, spiritual values, and civilisational wisdom with the transformative power of modern scientific education. His holistic vision of education, deeply rooted in tradition yet oriented towards the future, continues to inspire generations by awakening young minds to new horizons of thought while nurturing their innate creativity and talent. This seamless confluence of the ancient and the contemporary has rightfully established BHU as a radiant beacon of enlightenment.

Spread majestically across **550 hectares (1,300 acres)**, the main campus of BHU embodies both grandeur and scholarly excellence. Rarely does one encounter an institution where education flows in such a continuum—from the nurturing of children at the primary stage to the pursuit of the highest levels of Doctoral and Post-Doctoral research—all within a self-contained walled campus. The University embraces an extraordinary spectrum of disciplines, encompassing the vast domains of Physical, Chemical and Biological Sciences, Engineering and Technology, Medical and Agricultural Sciences, Veterinary and Social Sciences, Humanities, Law, Commerce, Education, Library Science, Journalism, Visual and Performing Arts, Sanskrit Vidya Dharm Vigyan, and an impressive range of Indian and foreign languages.

At the heart of its academic edifice are **five Institutes, sixteen Faculties, 136 Departments, and the Mahila Mahavidyalaya**, along with the renowned **Indian Institute of Technology (BHU)**, which collectively foster interdisciplinary scholarship and pioneering research. The University's laboratories, libraries, and specialised research centres—equipped with state-of-the-art facilities—serve as sanctuaries of innovation, offering scholars unparalleled resources to advance the frontiers of knowledge.

Extending its reach beyond the main campus, BHU nurtures academic excellence through **four colleges admitted to the privileges of the University, in the city**, three schools, and even a Kendriya Vidyalaya within its precincts. Its **South Campus at Barkachha in Mirzapur district**, spread over **1,092 hectares (2,700 acres)**, further amplifies its role in disseminating quality education to wider geographies.

The cultural and intellectual vibrancy of BHU is reflected in the remarkable diversity of its student body and faculty, who converge from across India and the globe, transforming the campus into a confluence of cultures, ideas, and worldviews. This cosmopolitan milieu fosters critical inquiry, creativity, inclusivity, and holistic development. Through an extensive framework of scholarships and financial aid, the University ensures that deserving talent from all socio-economic backgrounds can access its academic

wealth, thereby upholding the ideal of education as a great leveller.

Beyond the classroom, BHU pulsates with an effervescent spirit of cultural, athletic, and social engagement. Its celebrated festivals, seminars, and sporting events enrich the student experience, while outreach initiatives and collaborations with national and international institutions position BHU as a crucible of societal transformation and a bridge for global cooperation. Thus, Banaras Hindu University is not merely an institution of higher education—it is a living legacy, a cultural citadel, and a luminous force shaping both national destiny and humanity's collective future.

Hallmark of Excellence

During the academic session 2024–25, Banaras Hindu University reaffirmed its stature as a premier seat of learning by attaining distinguished positions in both national and international rankings, alongside remarkable strides in research output and research funding. These accomplishments eloquently testify to the University's unwavering pursuit of academic excellence, its dedication to advancing knowledge through impactful scholarship, and its profound contributions across diverse domains of inquiry. The comprehensive accreditations and ranking recognitions further underscore BHU's prestigious standing, illuminating its steadfast commitment to nurturing a vibrant ecosystem of learning, discovery, and innovation.

NIRF Rankings 2024	**:**	**05 (University); 11 (Overall)**
NAAC	**:**	**Grade A (3.41/4.0)**
THE World Ranking (2025)	**:**	**601-800**
Q & S World Rankings (2025)	**:**	**1001+**
Q & S World Rankings (2025) Subject wise	**:**	**< 500** **Physics, Chemistry, Biological Science, Medicine, Agriculture, Natural Science, Environmental Science, Pharmacy, Material Science**
Research Publications (2024-25)	**:**	**4980**
Research Citations	**:**	**>1,00,000****
H–Index (2024-25)	**:**	**268***
Patents (2024-25)	**:**	**33 Filed and 18 Granted**
Research funds generated (2024-25)	**:**	**69.7 Crore**

Composition of the University

- **Institutes**
  - ✓ Institute of Agricultural Sciences
  - ✓ Institute of Medical Sciences
  - ✓ Institute of Environment & Sustainable Development
  - ✓ Institute of Management Studies
  - ✓ Institute of Science
- **College Maintained by the University**
  - ✓ Mahila Mahavidyalaya
- **Faculties**
  - ✓ Agriculture
  - ✓ Arts
  - ✓ Ayurveda
  - ✓ Commerce
  - ✓ Dental Science
  - ✓ Education
  - ✓ Environment and Sustainable Development
  - ✓ Law
  - ✓ Management
  - ✓ Medicine
  - ✓ Performing Arts
  - ✓ Sanskrit Vidya Dharma Vigyan
  - ✓ Science
  - ✓ Social Sciences
  - ✓ Visual Arts
  - ✓ Veterinary & Animal Sciences
- **Departments – 136**
- **Inter-Disciplinary Schools**

- ✓ School of Biotechnology
- ✓ School of Life Sciences

➢ **Centres**

- ✓ Centre for Genetic Disorders
- ✓ DST-Centre for Interdisciplinary Mathematical Sciences
- ✓ Centre for Women Studies & Development
- ✓ Malaviya Centre for Peace Research
- ✓ Centre for Integrated Rural Development
- ✓ Centre for Study of Social Exclusion and Inclusive Policy
- ✓ Malaviya Moolya Anusheelan Kendra
- ✓ Bharat Adhyayan Kendra
- ✓ Vedic Vigyan Kendra
- ✓ Intercultural Study Centre

➢ **Schools Maintained by the University**

- ✓ Central Hindu Boys School
- ✓ Central Hindu Girls School
- ✓ Ranvir Sanskrit Vidyalaya

➢ **Colleges Admitted to the Privileges of the University**

- ✓ Arya Mahila P.G. College
- ✓ D.A.V. P.G. College
- ✓ Vasanta College for Women (Rajghat)
- ✓ Vasant Kanya Mahavidyalaya

➢ **A Tertiary Care Hospital (Sir Sunderlal Hospital)**
➢ **A Trauma Care Centre**
➢ **Hostels – 72**
➢ **A Central Library associated with chain of Departmental, Faculty and Institute Libraries**
➢ **Shri Vishwanath Temple**
➢ **Air Strip and Helipad – 3**
➢ **A Museum (Bharat Kala Bhawan)**
➢ **BHU Press**
➢ **Rajiv Gandhi South Campus**

Largest Residential University in Asia

The University nurtures a vibrant academic community of **over 35,000 students**, drawn from every corner of India and from abroad, who are enrolled across its diverse Faculties and programmes. To support this vast student body, the campus is equipped with **72 hostels**, providing residence to nearly **11,000 inmates** and offering all modern amenities, including internet connectivity, thereby fostering a congenial environment for study and personal growth. Complementing these facilities are **1,667 staff quarters** and **five well-appointed guesthouses**, ensuring a self-sufficient residential ecosystem. In addition, the University is home to several autonomous institutions functioning within its precincts, further enriching its academic and research landscape.

Shri Vishwanath Temple

At the heart of the Banaras Hindu University stands the magnificent **Shri Vishwanath Temple**, dedicated to Lord Shiva, which has become one of the most iconic landmarks of Varanasi. Constructed in resplendent **white marble**, the temple occupies a central place within the campus, both geographically and spiritually. Its conception and meticulous planning were personally overseen by the revered founder, **Pandit Madan Mohan Malaviya Ji**, as a symbol of the University's commitment to harmonising knowledge with faith.



Encircled by **lush greenery and exquisitely maintained gardens**, the temple complex exudes serenity and grace, offering visitors an oasis of peace and aesthetic delight. Within its

sanctum, the **Shiva Lingam** enshrines divine presence, while the temple walls—adorned with verses from the Hindu scriptures and enriched with pictorial depictions—stand as enduring testaments to India's spiritual heritage and artistic excellence.

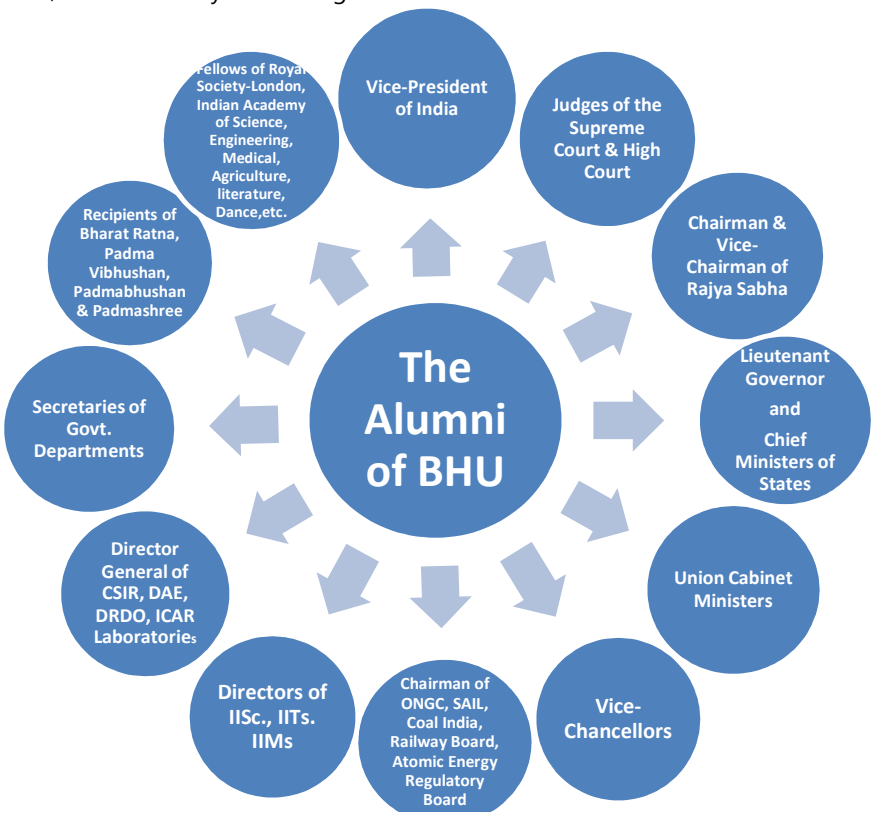
Institution of Eminence (IoE)

The **Banaras Hindu University**, a luminous beacon of learning and culture, has been adorned with the illustrious distinction of **Institution of Eminence** by the Government of India. This exalted recognition is not merely an accolade but a testament to the University's century-old legacy of nurturing knowledge, values, and innovation that transcend borders. Under this visionary scheme, the University has been entrusted with a monumental grant of **₹1,000 Crore**, to be infused over a span of five years, empowering it to soar to greater heights of excellence in teaching, research, and innovation. In light of the performance of the University, the grant has been extended to two more years.

This endowment is more than financial support—it is an affirmation of BHU's destiny as a **global seat of wisdom**, where the ancient ethos of India harmoniously converges with cutting-edge pursuits of science and technology. With this impetus, the University is poised to redefine standards of higher education, inspire sustainable development, and illuminate pathways for humanity through a holistic vision of progress rooted in tradition yet attuned to the future.

BHU Alumni

The contribution of **Banaras Hindu University** in advancing the frontiers of knowledge in critical domains, while simultaneously nurturing the regeneration and efflorescence of community values, finds eloquent expression in its vast and illustrious alumni network. Spanning continents and professions, this fraternity of distinguished personalities occupies positions of eminence in diverse fields—academia, governance, science, medicine, law, industry, literature, and the arts. Together, they stand as living embodiments of BHU's enduring legacy, carrying forth its ideals and radiating its influence across the world stage.



BHARAT RATNA AWARDEES FROM BHU



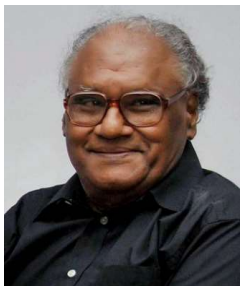
Pt. Madan Mohan Malaviya



Dr. S Radhakrishnan



Shri Bhupen Hazarika



Prof. C.N.R. Rao

NATION BUILDERS AND ALUMNI OF BHU

- **Dr. S.S. Bhatnagar, *FRS***
- **Dr. C.N.R. Rao, *FRS***
- **Dr. Birbal Sahni, *FRS***
- **Acharya Hazari Prasad Dwivedi**
- **Shri. Chandrashekhar**
- **Pt. Rsmchandra Shukla**
- **Dr. A.R. Verma**
- **Dr. S.S. Joshi**
- **Dr. S.P. Roychoudhari**
- **Shri. Bismillah Khan**
- **Dr. U.R. Rao**
- **Dr. J.V. Narlikar**
- **Shri. Krishna Kant**
- **Dr. T.V. Ramakrishnan, *FRS***
- **Dr. Haribansh Rai Bachhan**
- **Babu Bhagwan Das**
- **Dr. S. Radhakrishnan**
- **Shri. G.P. Koirala**
- **Shri. Bhupen Hazarika**
- **Dr. J.B. Rajam**
- **Dr. D. Lal, *FRS***
- **Pt. Onkar Nath Thakur**
- **Dr. G.S. Agrawal, *FRS***
- **Dr. G.B. Singh**
- **Dr. Lalji Singh**
- **Dr. Preetam Singh**
- **Dr. Ram Harsh Singh**
- **Dr. K.N. Uduppa**
- **Shri. J.B. Patnai**

VICE CHANCELLORS OF BHU

Sir Sunder Lal	01.04.1916 - 13.04.1918	Dr. Hari Narain	15.05.1978 - 14.05.1981
Dr. P. S. Sivaswami Iyer	13.04.1918 - 08.05.1919	Dr. Iqbal Narain	19.10.1981 - 29.04.1985
Pt. Madan Mohan Malaviya	29.11.1919 - 06.09.1938	Dr. R. P. Rastogi	30.04.1985 - 29.04.1991
Dr. Sarvepalli Radhakrishnan	17.09.1939 - 16.01.1948	Dr. C. S. Jha	01.05.1991 - 14.06.1993
Dr. Amar Nath Jha	27.02.1948 - 05.12.1948	Prof. D. N. Mishra	08.02.1994 - 27.06.1995
Pt. Govind Malaviya	06.12.1948 - 21.11.1951	Prof. Hari Gautam	02.08.1995 - 25.08.1998
Acharya Narendra Dev	06.12.1951 - 31.05.1954	Prof. Y. C. Simhadri	31.08.1998 - 20.02.2002
Dr. C.P. Ramaswami Iyer	01.07.1954 - 02.07.1956	Prof. P Ramachandra Rao	20.02.2002 - 19.02.2005
Dr. V.S. Jha	03.07.1956 - 16.04.1960	Prof. Panjab Singh	03.05.2005 - 07.05.2008
Justice N. H. Bhagwati	16.04.1960 - 15.04.1966	Prof. D. P. Singh	08.05.2008 - 21.08.2011
Dr. Triguna Sen	09.10.1966 - 15.03.1967	Dr. Lalji Singh	22.08.2011 - 22.08.2014
Dr. A. C. Joshi	01.09.1967 - 31.07.1969	Prof. G. C. Tripathi	27.11.2014 - 27.10.2017
Dr. K. L. Shrimali	01.11.1969 - 31.01.1977	Prof. Rakesh Bhatnagar	28.03.2018 - 28.03.2021
Dr. Moti Lai Dhar	02.02.1977 - 15.12.1977	Prof. Sudhir K Jain	07.01.2022 - 06.01.2025

RECENT CONVOCATION ADDRESSES



88th Convocation – 2006
Hon'ble President of India
Dr. A.P.J. Abdul Kalam



89th Convocation – 2007
Hon'ble Vice-President of India
Shri Bhairon Singh Shekhawat



90th Convocation – 2008
Hon'ble Prime Minister of India
Dr.Manmohan Singh



91st Convocation – 2009
Hon'ble Vice-President of India
Smt. Pratibha Devi Singh Patil



92nd Convocation – 2010
Hon'ble Vice-President of India
Shri Hamid Ansari



93rd Convocation – 2011
Hon'ble Minister of HRD
Shri Kapil Sibbal



94th Convocation – 2012
Hon'ble Speaker of Lok Sabha
Smt. Meira Kumar



Special Convocation – 2012
Hon'ble President of India
Shri Pranab Mukherjee



95th Convocation – 2013
Hon'ble Chancellor, BHU
Dr. Karan Singh



96th Convocation – 2014
Padma Vibhushan
Prof. Jayant Vishnu Narlikar



97th Convocation – 2015
Padma Vibhushan
Dr. G Madhavan Nair



98th Convocation – 2016
Hon'ble Prime Minister of India
Shri Narendra Modi



99th Convocation – 2017
Bharat Ratna
Prof. C N R Rao, FRS



100th Convocation – 2018
Padma Vibhushan
Dr. Raghunath A Mashelkar, FRS



101st Convocation – 2019
Padma Vibhushan
Dr. Vijay Kelkar



102nd Convocation – 2022
Chairman & CEO Palo Alto Net.
Shri Nikesh Arora



103rd Convocation – 2023
Principal Scientific Adviser, GoI
Prof. Ajay Kumar Sood



104th Convocation – 2024
CEO, Chairman & Founder, Zscaler
Shri. Jay Chaudhry

Administration

The policy formulation and governance of Banaras Hindu University are primarily entrusted to its apex bodies—the **Executive Council** and the **Academic Council**—with the **Vice-Chancellor** serving as the academic, administrative, and financial head of the institution. The University follows a unified yet decentralised system of administration, marked by considerable autonomy and clearly delineated responsibilities entrusted to the Directors of Institutes, Deans of Faculties, Principal of Mahila Mahavidyalaya, Registrar, Finance Officer, Heads of Departments, Joint Registrars, Deputy Registrars, and Assistant Registrars.

In this structured framework of shared responsibility, each office contributes to the seamless functioning and dynamic growth of the University. During the review period 2024-25, the following distinguished individuals discharged their roles as statutory officers of the University with diligence and commitment, thereby upholding the institutional ethos of excellence and service.

Vice-Chancellor

Prof. Sudhir K Jain (Till 06.01.2025)
Prof. Sanjay Kumar (**Officiating -** From 07.01.2025 to till period of Review)

Rector

Prof. Sanjay Kumar (From 25.10.2024)

Registrar

Prof. Arun Kumar Singh

Finance Officer

Dr. Abhay Kumar Thakur (Till 09.09.2024)
Shri. Manoj Kumar Pandey (**Officiating -** From 10.09.2024)

Controller of Examinations

Prof. Nripendra Kishore Mishra (Till 18.12.2024)
Prof. Sushma Ghildiyal (From 19.12.2024)

Dean of Student's Welfare

Prof. Anupam Kumar Nema

Chief Proctor

Prof. Shiv Prakash Singh

University Librarian

Dr. D.K. Singh

1.2. HIGHLIGHTS OF THE YEAR

Banaras Hindu University (BHU) has initiated a far-reaching and strategic programme of institutional transformation, designed to advance administrative efficiency, academic pre-eminence, and the robustness of its governance structures. Through the meticulous implementation of comprehensive reforms spanning diverse operational and academic domains, the University is systematically streamlining its processes, reinforcing its infrastructural frameworks, and nurturing a steadfast culture rooted in transparency, accountability, and scholarly innovation.

INITIATIVES

Strengthening Governance

Banaras Hindu University has undertaken a sweeping reconfiguration of its administrative architecture, ushering in a new paradigm of efficiency, integrity, and institutional finesse. The procurement mechanisms have been comprehensively overhauled, transitioning to a more transparent and expeditious framework that has markedly amplified operational efficacy. The financial management structure has been fortified to ensure rigorous fiscal stewardship and judicious resource optimization. In parallel, recruitment processes have been recalibrated through the institution of elevated quality parameters—such as mandatory academic presentations—thereby securing the induction of exceptional talent. Recognition and promotion policies have likewise been re-envisioned to resonate with contemporary benchmarks of excellence.

This transformative impetus has further manifested in the establishment of a centralized salary disbursal system and the implementation of biometric attendance, both fostering administrative cohesion and reinforcing employee accountability. A host of ancillary processes—ranging from the unification of personal and leave records to the regularization of joining protocols and the rationalization of deputation procedures—have been streamlined to eliminate redundancies. Even the disbursal of pensionary benefits and the submission of life certificates have been rendered more seamless, embodying the University's unwavering commitment to the welfare of its academic and administrative fraternity.

Strengthening Human Resources and Strategic Partnerships

In its pursuit of attracting distinguished talent and nurturing a culture of exemplary governance, Banaras Hindu University has successfully inducted nearly **115 new faculty members** during the academic session 2024-25, many of whom bring with them invaluable international experience. Complementing this academic enrichment, the recruitment of key regular staff alongside the strategic onboarding of transition personnel from eminent institutions such as the IITs and the Defence sector, has profoundly strengthened the University's human capital and administrative acumen.

Further amplifying its institutional prowess, the University has forged a constellation of strategic partnerships with premier institutions and organizations: collaborating with IIT-BHU to advance academic and infrastructural innovation; with the Homi Bhabha Cancer Institute to enhance healthcare services; with the Central Public Works Department (CPWD) to accelerate infrastructure development; with SAMARTH to refine governance and admissions systems; and with CMI to foster training and capacity building. Collectively, these alliances have fortified the University's capacity to deliver world-class education, robust governance, and transformative public service.

Capacity Building and Development Programs for Faculty Members and Staffs

In its steadfast commitment to augmenting the capabilities of its students, faculty, officers, and staff, Banaras Hindu University has undertaken a wide spectrum of capacity-building endeavours. Faculty development has witnessed a remarkable surge, with forty-five teachers participating in advanced leadership programmes at leading IIMs and IITs, one hundred and thirty-three receiving specialized training in psychological well-being, one hundred and twenty-one availing International Travel Support, and as many as one thousand and eighty-three benefiting from the Professional Development Fund. Collectively, these initiatives have imbued the academic milieu of the University with renewed vigour, intellectual vitality, and a spirit of continual advancement.

In parallel, the University has launched a series of visionary programmes to foster student leadership and essential life skills, anchored by faculty-level committees with earmarked budgets. The flagship "Find the Leadership in You (FLY)" initiative has engaged nearly two thousand students in rigorous training sessions, nurturing within them the confidence and competencies to excel as future leaders. Complementing these efforts, BHU has extended generous financial assistance through scholarships, fellowships, and travel grants, thereby catalysing academic and research excellence. Notably, all students falling below the poverty line are granted financial aid of ₹25,000, ensuring that economic constraints do not impede merit and ambition.

For staff development, the University has instituted a dedicated Staff Development Cell, which has organized fifteen intensive training programmes—benefiting over two hundred and fifty staff members and accruing more than six thousand man-hours of professional enhancement—thus reinforcing the human capital that undergirds the University's expanding aspirations.

Financial Sustainability and Resource Optimization

Banaras Hindu University has also undertaken concerted efforts to optimize income generation, strategically leveraging its estates, guest houses, and other institutional assets through prudent investments and streamlined collection mechanisms. The internal revenue generation framework has been fortified, while contributions under the "Pratidana" initiative have been judiciously managed, collectively reinforcing the financial sustainability and long-term economic resilience of the University.

Strengthening Infrastructure

During the academic year 2024-25, Banaras Hindu University witnessed substantial infrastructural expansion, reinforcing its commitment to excellence in healthcare, research, and higher education. A key milestone was the establishment of a **state-of-the-art Critical Care and Burn Unit**, equipped with advanced clinical technologies to deliver comprehensive emergency, trauma, and burn management services. Equally significant is the ongoing development of the **National Centre for Aging**, envisioned as a premier institution dedicated to geriatric healthcare, interdisciplinary research, capacity-building, and specialized training in age-related studies.

Beyond these flagship projects, the University continued to modernize and expand essential academic and residential infrastructure, including upgraded laboratories, enhanced research facilities, renovated classrooms, improved hostel amenities, and strengthened campus utilities and digital systems. Together, these initiatives underscore BHU's forward-looking strategy to develop a resilient, world-class institutional ecosystem capable of meeting the evolving needs of students, faculty, researchers, and the broader community.

Promoting Innovation and Start-up Growth

The **Atal Incubation Centre (AIC)** stands as a pioneering endeavour under the Atal Innovation Mission (AIM), instituted by NITI Aayog, Government of India. Conceived as a living tribute to the visionary statesmanship of former Prime Minister Shri Atal Bihari Vajpayee, this initiative seeks to engender a vibrant culture of innovation and entrepreneurship—propelling India's progress towards technological modernity, economic vitality, and societal well-being. The Centre's mission is to ignite and cultivate transformative ideas, offering a dynamic ecosystem that nurtures their evolution and provides end-to-end support for the incubation and scaling of start-ups. By enabling access to mentorship, infrastructure, resources, and seed funding, the AIC serves as a vital catalyst in converting nascent concepts into scalable, sustainable enterprises.

AIC-BHU, in particular, has emerged as a formidable force in mobilizing financial support for its incubated ventures, thereby fuelling their growth trajectories and ensuring their long-term viability. Illustratively, 4 secured seed capital and marketing assistance attracting external funding to the tune of ₹ 16.83 Lacs. Collectively, start-ups nurtured under the aegis of AIC-BHU have garnered funding support amounting to about ₹ 34 Lacs —an emphatic testament to the Centre's pivotal role in fostering entrepreneurial excellence and innovation-driven enterprise.

The **Sophisticated Analytical & Technical Help Institute (SATHI) Centre** has been established

at Banaras Hindu University under the aegis of the Department of Science and Technology (DST), Government of India. Conceived as a national-level facility, the SATHI initiative seeks to create a world-class, professionally managed infrastructure in science and technology (S&T), envisioned as a shared resource for academia, start-ups, industries, manufacturing units, and research and development laboratories. By providing access to advanced instrumentation and cutting-edge technologies—resources often beyond the reach of smaller institutions—this initiative is poised to dramatically enhance the nation's research, innovation, and developmental capabilities across diverse sectors.

Complementing this endeavour, the Centre for Development of Commerce (CDC) at BHU also hosts **BIONEST**, a state-of-the-art bio-incubation facility supported by the Biotechnology Industry Research Assistance Council (BIRAC). BIONEST is dedicated to nurturing biotechnology enterprises and catalysing the emergence of start-ups within the bio-industry sector, thereby fostering a vibrant ecosystem of innovation-driven bio-entrepreneurship.

Initiatives under IoE Scheme

Banaras Hindu University (BHU) proudly bears the prestigious distinction of being designated as an Institution of Eminence (IoE) by the Government of India—an accolade that confers upon it a remarkable degree of autonomy to envision and execute strategies directed towards academic excellence of the highest order. Aligned with the University's mission to foster excellence in teaching and research while inculcating values of holistic development and sustainability, a host of transformative initiatives have been undertaken under the aegis of the IoE scheme.

The University has channelled its efforts and resources towards the consolidation and optimization of its academic ecosystem—nurturing a vibrant educational milieu and building platforms that empower both faculty and students. Acknowledging that educators form the bedrock of any scholarly edifice, BHU has prioritized the creation of a robust framework of incentives, research grants, and developmental resources for faculty members and emerging scholars alike. The thrust has consistently remained on enriching the teaching-learning experience, ensuring that students evolve into well-rounded, globally attuned individuals. From strengthening research and fostering international exposure to supporting students with scholarships, encouraging interdisciplinary scholarship, and cultivating leadership and life skills, BHU continues to cultivate an environment conducive to comprehensive academic advancement.

The University's ongoing emphasis on fostering a culture of support, empowerment, and innovation underscores its unwavering commitment to excellence across teaching and research domains. These initiatives—seeded today—are poised to blossom into a dynamic and impactful academic and research ecosystem of the future, placing BHU at the forefront of educational advancement and scholarly contributions. Notable initiatives undertaken under the IoE scheme during this session include:

Key Initiatives under the Institution of Eminence (IoE) Scheme

1. **Appointment of PDFs from Top 500 Institutions** - Designed to attract scholars with a Ph.D. or Post-Doctoral Fellowship from the world's top 500 universities, this initiative offers a fellowship of ₹1,00,000 per month and an annual contingency of ₹3,00,000 for three years. 17 fellows have been appointed so far, with ₹ 8.7 crore sanctioned and ₹ 6.49 crore expended, significantly enriching the University's research culture.
2. **Seed Grant -** Provides newly appointed faculty members with immediate financial support to launch their research endeavours early in their careers, enabling innovative work and strengthening BHU's research output.
3. **Faculty Incentive Grant -** Rewards faculty for exemplary contributions at national and international levels. A total of 454 teachers have benefited, with ₹ 23.49 crore sanctioned and ₹ 36.53 crore expended, ensuring that meritorious researchers receive essential financial backing.
4. **Scheme to Promote Trans-disciplinary Research -** Encourages collaborative engagement across diverse academic disciplines, fostering collective

innovation and strengthening BHU's interdisciplinary research ecosystem.

5. **Scholarship for International UG, PG, and Ph.D. Students -** Offers ₹6,000 per month for UG/PG students and ₹8,000 per month (plus contingency) for Ph.D. students to attract international talent. To date, 389 more students have benefitted, with ₹ 9 crore sanctioned and ₹2.5 crore expended.
6. **Teach for BHU Scheme -** Prepares BHU Ph.D. graduates for academic careers by offering them teaching opportunities with a fellowship of ₹40,000 per month and ₹6,000 HRA for 12 months, thus nurturing future educators.
7. **International Travel Support for Faculty and Students -** Provides partial funding for faculty to attend international events—₹50,000 for SAARC/ASEAN countries and ₹1,00,000 for other destinations. Students also receive up to ₹50,000, fostering global exposure and collaborations.
8. **External Research Experience for Ph.D. Students -** Enables selected Ph.D. scholars to spend up to six months at reputed international universities or labs, with ₹15,000 per month plus AC-III travel support, fostering collaborative, high-quality research.
9. **Dr. Sarvepalli Radhakrishnan Internship -** Offers Library Science, Education, Visual Arts, and Performing Arts students internships within BHU at ₹20,000 per month. So far, 320 internships have been awarded, strengthening professional skills.
10. **Research Incentive for Q1 and Q2 Publications -** Provides ₹7,000 per month for 12 months to scholars publishing in Scopus/Web of Science Q1 or Q2 journals, incentivizing high-quality research publications.
11. **Professional Development Fund -** Offers a one-time grant of ₹2 lakh for faculty in Level 13 and ₹75,000 for officers in Levels 9–12 for capacity building and professional skill enhancement.
12. **Credit Research Incentive -** Supports research-related expenses of faculty and scholars, with 913 beneficiaries and an expenditure of ₹ 2.36 crore, thereby driving quality research output.
13. **Visiting Professor Program -** Invites eminent professors, scholars, artists, and sportspersons for at least six weeks, with weekly honoraria of ₹20,000–₹40,000 plus travel. 18 beneficiaries have been supported.
14. **Student Leadership Development and Well-being Programmes -** Conducts workshops on self-defence, quality of life, and yoga to nurture leadership and well-being. About 35000 student benefitted from it.
15. **Support for National and International Conferences -** Provides ₹40,000–₹4,00,000 to faculty for organizing academic events. So far, 202 conferences have been held with an outlay of ₹ 4.3 Cr, enhancing BHU's global academic reputation.
16. **Annie Besant College Teacher Exchange Program -** Strengthens ties with affiliated colleges by enabling their faculty to serve as visiting faculty at BHU for a year, with ₹ 21 lakh allocated to this initiative.
17. **Sayaji Rao Gaekwad Fellowship -** Offers ₹8,000 plus a ₹10,000 contingency to UGC-Non-NET Ph.D. scholars in their fifth year, enabling them to complete their research without financial burden.
18. **International Visiting Student Program -** Supports BHU research scholars to spend up to six months at top 500 global universities with $1,800 per month plus travel and visa expenses, fostering international collaborations.
19. **Darbhanga Naresh Rameshwar Singh Visiting Faculty Program -** Invites faculty from the top 20 NIRF-ranked institutions to spend a year at BHU, enhancing research collaboration and academic excellence.
20. **Raja Jwala Prasad Post-Doctoral Fellowship -** Offers ₹60,000 per month, ₹10,000 housing allowance, and ₹50,000 contingency to postdoctoral fellows. So far, about 130 fellows have benefitted with ₹ 2 Crore expended.
21. **Bridge Grant for Faculty Members -** Provides up to ₹10,00,000 to cover research expenses during funding gaps. 29. faculty have utilized this support as of June 30.
22. **Global Experience for Faculty Programme (GEFP) -** Enables faculty to

spend up to one year at leading global institutions with US $3,000 per month, airfare, visa, and health insurance covered, fostering internationalization.

23. **BHU Excellence Exposure Program (BEEP) -** Allows groups of BHU faculty or officers to visit premier Indian institutions for a week to study best practices, followed by report submissions and presentations to adapt these practices at BHU.

Other Student-Centric Initiatives

Students stand as the most treasured assets of any academic institution, and Banaras Hindu University places their holistic growth at the heart of its ethos. To nurture their potential and fortify their journey of personal and intellectual development, the University orchestrates a spectrum of student-centric endeavours throughout the year. Key initiatives include:

- **Mental Health and Stress Management:** With an unwavering commitment to fostering psychological well-being, the University houses a dedicated *Counseling Cell* staffed by professionally trained psychologists and seasoned psychiatrists who provide tailored guidance to students navigating academic rigours and personal challenges. Complementing this, the *Student Well-Being Initiative* embodies the University's holistic vision of student welfare, integrating academic support, psychological counseling, and initiatives to strengthen emotional, physical, and mental health, thereby ensuring students thrive in a nurturing environment.

- **Career Guidance and Placement Support:** Bridging the realm of academia with the world of professional enterprise, the *Career Guidance Training and Placement Cell (CGTPC)* plays a pivotal role in shaping students' career trajectories. During the academic session 2024-25, the CGTPC orchestrated an extensive array of placement drives, workshops, and interactive sessions to enhance students' employability across diverse disciplines. Notably, it conducted 107 independent placement drives and collaborated on 24 additional drives with various faculty-level placement cells. Faculty cells themselves organized 46 further drives. Altogether, 177 placement drives were held, witnessing the participation of over 5,000 students, of whom about 955 secured placements through both on-campus and off-campus recruitment processes.

- **Gender Sensitization and Anti-Ragging Initiatives:** In its pursuit of a safe, inclusive, and dignified campus environment, the *Guidance and Counseling Cell* has intensified efforts to promote gender sensitivity and eradicate ragging. The University proudly upholds its distinction as a "Ragging-Free Campus," ensured through the vigilant engagement of dedicated mentors and the proactive presence of the Anti-Ragging Squad, with particular attention to the support and empowerment of female students.

- **Philosophical and Spiritual Enrichment:** In consonance with its cultural and spiritual heritage, the University continues to host *Gita Discourses* under the aegis of the *Gita Samiti*. These sessions provide a vibrant forum for both students and teachers to engage in profound philosophical and spiritual deliberations inspired by India's timeless scriptural wisdom.

Annual Fund-Raising Campaign: Pratidan - Mahamana Annual Fund

On the momentous occasion of the 106th Foundation Day of Banaras Hindu University, observed on 5 February 2022, the University unveiled the "Pratidana – Mahamana Annual Fund," a visionary initiative conceived to honour the illustrious legacy of its founder and to rekindle the institution's enduring tradition of philanthropy. Designed as a vibrant bridge to reconnect with its vast and distinguished global alumni network, this initiative aspires not merely to commemorate the heritage of the University but to actively channel philanthropic goodwill into transformative educational impact.

At its core, *Pratidana* embodies the spirit of collective benevolence—mobilising resources to support meritorious and underprivileged

students, extend need-based financial assistance, enrich educational opportunities, advance pedagogical excellence, catalyse meaningful research, and invigorate an expansive range of co-curricular and extracurricular pursuits. Demonstrating its growing resonance, the initiative secured a remarkable ₹ 0.98 crore during the financial year 2024-25, bringing the **cumulative corpus of donations to an impressive ₹ 8.61 crore.**

To institutionalise this philanthropic momentum, *Pratidana* has established a meticulously structured framework of scholarships and awards catering to students across undergraduate, postgraduate, and doctoral programmes. This framework comprises both endowed and non-endowed scholarships, alongside endowed gold medals, crafted to provide sustained financial aid and prestigious recognition to deserving scholars.

The endowed scholarships, each requiring a corpus of ₹5.00 lakh, yield an annual disbursement of ₹25,000 per student from the accrued interest. Presently, **95 such scholarships** are operational, supported by a consolidated fund of approximately **₹ 5.58 crore**. Complementing these are **245 non-endowed** scholarships—sustained through periodic contributions from benefactors—amounting to nearly **₹ 2.63 crore**. Additionally, a special category of endowed scholarships has been instituted exclusively for students of Central Hindu Boys School, Central Hindu Girls School, and Ranvir Sanskrit Vidyalaya, each necessitating a corpus of ₹1.00 lakh and granting ₹5,000 annually per student. Thirteen such scholarships have already been established, collectively supported by approximately ₹13.00 lakh.

Furthermore, the initiative has instituted **four prestigious endowed gold medals**—each requiring a corpus of ₹10 lakh—amounting to an additional **₹40 lakh** earmarked exclusively to perpetuate academic distinction and honour scholarly excellence.

ACHIEVEMENTS

Rankings

In the National Institutional Ranking Framework (NIRF) Rankings 2024, Banaras Hindu University distinguished itself by securing the 5th position among universities across India and the 11th position overall. On the global stage, the University was placed within the 601–800 band in the Times Higher Education (THE) World University Rankings 2024-25, while in the QS World University Rankings for the same period, it attained a position within the 1001–1200 range.
Further underscoring its academic breadth, the University excelled in the QS subject-wise rankings: securing a place in the 251–300 band for Pharmacy and Pharmacology; 301–350 for Agriculture and Forestry as well as Environmental Sciences; 451–500 for Chemistry; and 501–550 for both Physics and Life Sciences & Medicine. These achievements stand as a testament to the University's continued ascent towards academic preeminence, reflecting the substantive strides it made during the 2024-25 academic session.

Admissions and Convocation

The academic session 2024-25 at Banaras Hindu University commenced on 7 July 2024, witnessing the enrolment of **12332 new students** across a broad spectrum of undergraduate, postgraduate, Ph.D., diploma, and certificate programmes. A detailed analysis of the gender-wise distribution of these students across various disciplines is presented in Section 7.3. Additionally, the University welcomed **389 new international students (including 235 males and 154 females)** who joined diverse academic programmes during the session.

The University celebrated its **104th Convocation on 14 December 2023**, with Shri. Jay Chaudhary, CEO, Chairman & Founder, Zscaler, gracing the occasion as the Chief Guest and delivering an inspiring convocation address.

During the ceremony, the University conferred degrees upon **8035 undergraduates**, **5235 postgraduates**, and **21 M.Phil.** candidates, along with awarding **Ph.D. degrees to 858** scholars. A detailed faculty- and course-wise distribution of the degree recipients is provided in **Section 7.2.**

Academic achievements and Research milestones

Throughout the year, Banaras Hindu University demonstrated remarkable academic vigour, producing a total of over **4980 scholarly publications**. This impressive output encompassed **3733 research papers**—with 1158

appearing in national journals and 2575 in international journals—and **339 research articles**, comprising 265 national and 74 international contributions. Additionally, **908 scholarly works** were produced in the form of **books, book chapters, monographs, manuals, leaflets, and translations** (detailed in Section 6.1.2). During the 2024-25 session, the University's publications collectively garnered approximately more than 1 lakh research citations, reflecting an H-Index of 268, underscoring the significant impact of BHU's research. The University further strengthened its innovation portfolio with **33 new patent filings** and the **grant of 18 patents** (detailed in Section 6.1.6). In its commitment to scholarly dissemination, BHU proudly publishes Prajna, a UGC Care-listed journal, alongside a range of magazines and journals across its institutes, faculties, and departments.

Research funding at the University witnessed substantial growth, with faculty members securing **184 new research projects** valued at **₹ 69.7 crore**. Moreover, **ongoing projects, numbering 560** and cumulatively worth **₹ 206.9 crore**, flourished during the year (detailed in Section 6.1.3).

BHU's educational philosophy transcends traditional classroom boundaries. Faculties and departments organized a dynamic series of seminars and conferences, fostering a vibrant academic atmosphere that welcomed delegates from across India and abroad. In the 2024-25 academic session, **272 conferences** were hosted by various Institutes, Faculties, and Departments (details in Section 6.1.4), providing vital platforms for scholars and scientists to engage, interact, and exchange research insights. Faculty members and research scholars also actively participated in academic events at universities, colleges, and institutes both domestically and internationally, presenting papers and delivering lectures. During this period, **386 faculty members were on deputation** (details in Section 6.1.5), contributing expertise to seminars and conferences held in countries including the USA, Canada, South Africa, China, the UK, Japan, Bhutan, Australia, and Germany.

The University's commitment to excellence was further acknowledged through recognition of faculty achievements, with **136 awards** and accolades conferred during the session for outstanding academic and professional contributions (details in Section 6.1.7).

Sports achievements

The 2024-25 academic session was marked by an exemplary organisation of a wide spectrum of sports activities on the BHU campus, culminating in a series of outstanding athletic accomplishments. Throughout the year, the University meticulously conducted numerous training camps, championships, and tournaments across diverse disciplines, including hockey, basketball, wrestling, karate, and many others.

BHU teams actively participated in a variety of Inter-University tournaments, excelling in East Zone competitions as well as All India and Inter-Zonal events. The University Sports Board's achievements during this session were particularly noteworthy, with BHU athletes securing multiple medals and top positions across disciplines such as hockey, wrestling, karate, wushu, volleyball, powerlifting, boxing, aquatics, and more (detailed in Section 7.4.5).

A highlight of the year was the remarkable performance of BHU teams in the Khelo India Games, held in Bangalore, where the University attained medals and reached the finals in wrestling, karate, and athletics championships—underscoring its commitment to fostering sporting excellence alongside academic and cultural development.

IT Network

The University has WiFi enabled campus. All the academic and administrative offices are WiFi connected. In addition, the University has 100 kilometres long fibre optic backbone of campus wide LAN, connecting all academic and administrative buildings as well as hostels with a well-equipped Computer Centre, providing high end computing and training facilities.

The university has been provided with three 1 Gbps nodes of National Knowledge Network (NKN) under NME-ICT.Besides these, more than 100 smart classrooms have been augmented for smoothening theonline teaching and learning especially during the COVID times. The university has switched overto computer-based entrance test and implemented ERP for executing all administrative andfinancial work, thereby moving towards paperless office. In the year 2024-25, the

Computer Centre has overhauled its network shifting to latest technology. Its plan for further update and modernisation of server, equipment and facilities are underway. Groundwork for a system of High Network Computing with an initial investment of Rs. 20 crore is prepared and HNC will be a reality in 2025-26.

Legacy Celebrations: University's Annual Milestones

Banaras Hindu University proudly commemorated its 109th Foundation Day with vibrant celebrations on Basant Panchami, marked by processions that creatively showcased diverse socio-cultural and contemporary themes. These processions prominently celebrated the University's illustrious history and remarkable achievements, reflecting its enduring legacy in education, research, and cultural enrichment.

In addition to this milestone, the University observed a host of significant national and cultural occasions, including Independence Day, Republic Day, Teachers' Day, Gandhi Jayanti, Shri Krishna Janmashtami, and the anniversary of its revered founder, Mahamana Pandit Madan Mohan Malaviya. Strengthening the University's heritage of intellectual and spiritual engagement, the Gita Discourses—a distinguished forum for philosophical and spiritual dialogue among students and faculty—continued under the auspices of the Gita Samiti, fostering reflection, scholarship, and ethical discourse across the campus.

Alumni Engagement

The Global Alumni Network has played an instrumental role in strengthening the enduring bond between Banaras Hindu University (BHU) and its alumni. Recognizing the invaluable contributions of its alumni to diverse fields and to the University's legacy, a significant transformation was undertaken in 2022 with the elevation of the Alumni Cell to the Alumni Relations Office. This strategic move aims to foster deeper engagement through enhanced communication, structured feedback mechanisms, and expanded opportunities for collaboration.

A landmark achievement in this transformation was the launch of the **Alumni Portal (alumni.bhu.ac.in)**, offering access to 24 professional networks, showcasing alumni accomplishments, and promoting University events. The network's outreach has been further strengthened with the integration of **13 national chapters and 3 international chapters**, extending BHU's global presence to countries including Bangladesh, Bhutan, Nepal, Thailand, Mauritius, and Sri Lanka.

The international footprint of the network is reflected in the registration of over **59,000 alumni from 60 countries**, with the database expanding rapidly—adding nearly 50,000 new members in the past two years and continuing to grow at a rate of **500–600 registrations per month**. This robust engagement strategy, encompassing personalized communication, regular updates, newsletters, and fundraising initiatives, has successfully cultivated a sense of connection, pride, and active participation among alumni, reinforcing their enduring affinity with their alma mater.

1.3. SOCIAL CONNECT: UNIVERSITY'S INITIATIVES ON EMPOWERING COMMUNITY

Fostering a sense of social responsibility among students is a cornerstone of holistic education at Banaras Hindu University. In alignment with this principle, the University actively orchestrates a wide range of community development initiatives, empowering students and faculty to contribute meaningfully to societal welfare. Key initiatives during the 2023–24 academic session include:

- **Adoption of Model Villages:** As part of its Community Development initiative, BHU adopted **five nearby villages**, transforming them into model communities based on established developmental criteria. This program aligns with national priorities such as **Swachh Bharat, Swastha Bharat, and Skill Development**, reinforcing the University's commitment to broader societal welfare objectives.
- **Samarth Gram Abhiyan:** Under the **Unnat Bharat Abhiyan**, a flagship scheme of the Government of India, 100 villages in the Vidyapeeth Block were identified for empowerment through education, health, hygiene, organic farming, environmental awareness, and legal literacy. Students and faculty actively engaged in activities including baseline surveys, workshops, vocational training for girls, agricultural conferences, health camps, seed distribution, tree plantation drives, yoga sessions, and educational street plays.
- **Krishi Vigyan Kendra (KVK) Initiatives:** The KVK conducted **On-Farm Trials (OFTs)** to evaluate agricultural technologies against existing farmer practices, covering domains such as nutrient management, varietal evaluation, integrated disease management, farm machinery, and livestock enterprises. The results demonstrated **positive economic outcomes and favourable Benefit-to-Cost ratios** for farmers. Additionally, **three specialized training programs** for farmers and women farmers benefited **163 trainees**, while **eight sponsored training programs** reached approximately **400 participants**, supported by ATMA, the District Agriculture Department, and NFSM. Extension programs engaged around **3,000 participants** through advisory services, diagnostic visits, field days, Kisan Gosthi, exhibitions, and plant, animal, and soil health camps.
- **Soil Fertility Analysis:** During the reporting period, approximately **2,000 soil samples** were analysed, benefiting nearly **1400 farmers** across the district by providing critical insights into soil health and fertility management.
- **Institute of Environment & Sustainable Development (IESD):** IESD promoted sustainability through community demonstration projects, training programs, conferences, workshops, seminars, and the development of knowledge resources such as factsheets, status reports, and educational materials. The Institute also contributed actively to policymaking and sustainability initiatives.
- **SEVAARTH – Student Social Club:** Formed by students of the **Institute of Management Studies**, SEVAARTH engages young individuals in social causes and nurtures civic responsibility. The club organized initiatives such as blood donation camps, blanket distribution to underprivileged patients at Sir Sunderlal Hospital, interactions with social entrepreneurs, visits to social enterprises, and participation in the **Joy of Giving Week**.

Through these initiatives, BHU continues to integrate academic learning with community engagement, instilling values of social responsibility, sustainability, and civic participation among its students.

2. ACADEMIC UNITS

INSTITUTES

COLLEGE (Maintained by the University)

FACULTIES

CENTRES

RAJIV GANDHI SOUTH CAMPUS



2.1.1. INSTITUTE OF AGRICULTURAL SCIENCES

Introduction

The Institute of Agricultural Sciences (I.Ag.Sc.) at Banaras Hindu University has traversed a glorious journey of over nine decades, distinguished by its seminal contributions to agricultural advancement and the alleviation of hunger in India. Born in its earliest form under varied appellations and formally established as the Institute in 1981, it was envisioned with a mission of integrating education, research, extension services, and agricultural development into a unified framework. A true pioneer, it was the first Institute of Agricultural Research in the country to confer M.Sc. and Ph.D. degrees**,** while its foray into undergraduate education began as early as 1945, with the creation of the College of Agriculture under the Faculty of Engineering. This college later attained the stature of an independent Faculty of Agriculture in 1968, marking a significant milestone in its evolution.

Today, the Institute stands as a comprehensive centre of excellence, comprising **two faculties**—the **Faculty of Agriculture** and the **Faculty of Veterinary and Animal Sciences**—with **11 and 15 departments respectively**, in addition to three auxiliary units. It offers an expansive portfolio of programmes, including **B.Sc. (Ag.)**, **11 specialised M.Sc. (Ag.) programmes**, **B.V.Sc. & A.H.**, and **Ph.D. programmes**, thereby fostering a continuum of education and research across diverse domains of agricultural and veterinary sciences.

The academic year 2024-25 was marked by significant progress, reflected in path-breaking research outputs, strategic national and international collaborations, state-of-the-art infrastructure development, and holistic student development initiatives**.** These achievements testify to the Institute's steadfast commitment to excellence in education, research, and community service, and reinforce its standing as a trailblazer in agricultural and allied sciences, both nationally and globally.

Faculty Strength

The institute's faculty composition during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	54	12	66
Associate Professor	16	12	28
Assistant Professor	68	45	113

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.
Admitted Students	270	351	62
Total Enrolment	1507	671	227

Publications and Patents & Technological Innovations

During the academic year 2024–25, the Institute reaffirmed its position as a premier centre of knowledge creation and innovation, making remarkable strides across diverse domains of research and scholarship. The year witnessed an extraordinary volume of scholarly output**,** with faculty publishing **220 national and 218 international research papers**, along with **107 national and 21 international research articles**. Complementing this, the academic community produced **37 books and monographs** (national: 25; international: 12), and contributed extensively to academic discourse with **214 national and 140 international book chapters**. Collectively, these achievements not only enriched the global body of knowledge but also underscored the Institute's commitment to thought leadership and intellectual excellence.

Equally noteworthy has been the Institute's outstanding contribution to innovation and applied research, marked by the filing of **six patents** and the granting of **six patents** at the national level—an accomplishment that reflects the dynamic synergy between scientific inquiry and societal advancement. Among the most distinguished achievements,

- **Dr. Pratik Sanodiya (Agronomy)** secured a patent for a *Compact Microclimate Monitoring Station*, a pioneering step towards sustainable agricultural practices.
- **Prof. S.K. Singh** was granted a patent for the rice variety *Malaviya Manila Sinchit Dhan-1*, fortifying BHU's historic legacy in agriscience.
- **Prof. Kartikeya Srivastava** received a grant for *Malviya Nidhi (HUJM-10-06)* in July 2024, further enriching the University's contributions to plant sciences.
- **Prof. P.K. Singh's** innovation, *Malaviya Dhan 105 Sub 1* (Application No. 502128 (E)), was awarded patent rights in March 2025, reinforcing BHU's pioneering work in food security and climate resilience.
- **Dr. Saurabh Karunamay** was granted a patent for a *Smart Self-Cleaning Milking Machine*, enhancing the landscape of agri-dairy technology.
- **Dr. Abhishek Kumar Singh and Dr. Mahipal Choubey**, through their collaborative effort, secured a patent for a *Smart Veterinary Nutrition Tracking Device* (filed 2024, granted 19 December 2024), opening new frontiers in livestock management and animal welfare.

Together, these scholarly and technological triumphs exemplify BHU's global stature as a crucible of innovation, blending tradition with modernity, and reimagining knowledge to serve humanity.

Research Projects and Seminars

The Institute continued to strengthen its research ecosystem during the academic year, successfully attracting **47 new research projects** with a total outlay of **₹ 5.97 crore**, in addition to **227 ongoing projects** valued at **₹ 43 crore**. These projects address critical challenges in agriculture, technology, and allied sciences, thereby aligning research with the nation's developmental priorities and global concerns.

In its pursuit of fostering academic dialogue and thought leadership, the Institute organized **22 seminars and conferences**, which served as vibrant platforms for scholarly exchange, intellectual discourse, and cross-disciplinary collaboration. The Institute's international footprint was further elevated through the **participation of 41 faculty members** in prestigious national and international conferences, while **54 faculty members** were invited to distinguished roles as **session chairs, keynote speakers, and panellists.** Such engagements not only enhanced the Institute's global academic presence but also reaffirmed its

position as a hub of innovation, excellence, and thought leadership on the world stage.

Awards & Recognitions

Recognition for academic excellence reached new heights as **33 faculty members** were honoured with prestigious national and international awards, fellowships, and distinctions. These accolades stand as a testament to the Institute's unwavering commitment to fostering scholarly achievement, advancing frontiers of knowledge, and cultivating leadership across diverse fields of inquiry. Together, they not only bring glory to the Institution but also reaffirm its standing as a beacon of academic distinction at the national and global stage.

Collaborations

During the year, the Institute fostered significant national and international collaborations, thereby strengthening its research ecosystem and academic exchange. In Agronomy, a landmark partnership was forged with ICAR–IRRI to advance the promotion of Direct Seeded Rice in Eastern Uttar Pradesh, addressing a critical agricultural priority. The Department of Dairy Science & Food Technology expanded its global outreach through a five-year international MoU with the University of Georgia, USA, alongside a national collaboration with TCPL, aimed at advancing academic engagement and joint research initiatives. Similarly, the Department of Genetics and Plant Breeding consolidated its research networks by entering into strategic MoUs with premier institutions—BARC (3 years), BISA-CIMMYT (International, 3 years), CCS University Meerut (3 years), UPCAR Lucknow (2 years), and ICAR-NIPB, New Delhi (1 year)—to foster collaborative projects, shared expertise, and impactful research outcomes.

Infrastructure Development

During the year, the Institute witnessed significant augmentation of infrastructure across departments, thereby fortifying both academic and research capacities. In Agronomy, an **Organic Farming Block** with an experiential learning unit was established, creating a dynamic platform for hands-on training in sustainable agricultural practices. The Department of Dairy Science & Food Technology enhanced its pedagogical and research environment through the development of two smart classrooms and the renovation of postgraduate laboratories, supported by the Institution of Eminence (IoE) initiative. The Department of Genetics and Plant Breeding expanded its research facilities with the addition of a dedicated **maize laboratory**, a **distillation unit**, a rice husker, and **an aluminium cryocan**, enabling advanced experimentation and crop improvement studies. In Veterinary Parasitology, cutting-edge equipment, including a **cooling incubator shaker** and a **dry bath incubator**, was procured through the IoE Seed Grant, while the Department of Veterinary Gynaecology & Obstetrics significantly strengthened its diagnostic and research infrastructure with the acquisition of a high-end **Colour Doppler Ultrasound Machine** funded by SERB.

Extracurricular Initiatives and Outreach

The Institute organized a wide range of activities promoting skill development, awareness, and student engagement. *Agricultural Economics* conducted 12 lectures and training sessions for 40 participants. *Agronomy* trained extension agents on direct-seeded rice, organized field demonstrations and seed distribution programmes benefitting over 700 farmers, and engaged 174 students in practical crop production. *Dairy Science & Food Technology* conducted entrepreneurial awareness programmes and innovation bootcamps in collaboration with national agencies, involving 450 participants. *Extension Education* held thesis presentation sessions, while *Farm Engineering* observed World Water Day through technical sessions. *Genetics & Plant Breeding* organized farmer trainings on rice, lentil, and mustard production, alongside an orientation programme.

The Faculty of Veterinary & Animal Sciences hosted quizzes, symposiums, clinical case presentations, and training programmes, including a Colour Doppler ultrasound demonstration and SAPI quiz competitions. *Livestock units* conducted entrepreneurial, internship, and training programmes for over 600 students and farmers. *NSS* actively carried out seven thematic camps and cleanliness, blood donation, and water conservation drives with consistent student participation. At the Institute

level, *FVAS* organized induction and anti-ragging week celebrations, engaging over 350 students.

Eminent Visitors

The Institute hosted several distinguished personalities during the year, including **Dr. Prem Chand** (ICAR, Member CACP), **Mr. Vishal Patel** (Hindalco India Ltd.), **Dr. N. Kalaiselvi** (DG, CSIR & Secretary)**, Dr. M.S. Chauhan** (VC, GBPUAT, Pantnagar), **Dr. S.N. Jha** (ICAR, DDG Agricultural Engineering), **Dr. B.D. Singh** (Ex-Rector, BHU), **Dr. O.N. Singh** (Ex-VC, Birsa Agricultural University), **Dr. A.K. Singh** (Ex-Director, IARI, New Delhi)**, Dr. Sanjay Singh** (DG, UPCAR, Lucknow), **Dr. Ombir Singh** (ICAR-IIWBR, Karnal), **Dr. D.K. Shahi** (Dean, Birsa Agricultural University), **Dr. Muthukumarasamy B**., IAS (Divisional Commissioner, Mirzapur), and **Prof. Panjab Singh** (Former VC, BHU)**.**

Placement and Progression

The academic year 2024–25 witnessed commendable achievements in student placements across undergraduate, postgraduate, and doctoral levels. At the undergraduate level, 32 students participated in campus recruitment, with **16 candidates** successfully securing placements. They were offered competitive packages ranging between ₹5–10 LPA by reputed organizations such as **Mother Dairy, Coca-Cola Pvt. Ltd., State Public Service Commission, Ajeevika, Reliance Fresh, PRADHAN, and Reliance Bio Energy**. At the postgraduate level, over 40 students were successfully placed, while doctoral candidates also secured noteworthy employment opportunities. Furthermore, several postgraduate and doctoral students achieved direct placements through competitive examinations, joining esteemed organizations including **Punjab National Bank, Government of Bihar, DPSC, IBPS, FCI, and BPSC**, with salary packages ranging from ₹5–8 LPA. These outcomes reflect the Institute's strong emphasis on employability, industry engagement, and career readiness.

The year also recorded encouraging trends in student progression to higher studies and research. Within India, more than 20 postgraduate students, along with two female doctoral candidates, advanced to specialized research and professional programmes. Internationally, a postgraduate student secured admission to pursue higher studies in the **United States of America**, underscoring the global recognition of the Institute's academic foundation. Such progressions highlight the dual commitment of the Institute to fostering academic excellence and enabling students to pursue both national and international opportunities for advanced learning.



2.1.2. INSTITUTE OF MEDICAL SCIENCES

Introduction

The Institute of Medical Sciences (IMS), a distinguished constituent of Banaras Hindu University, stands as one of the premier centres of medical education and healthcare in India. Renowned for its academic breadth and clinical excellence, IMS encompasses three Faculties and a college: the Faculty of Medicine, comprising 35 departments; the Faculty of Ayurveda, with 17 departments; the Faculty of Dental Sciences; and the College of Nursing.

Complementing its academic strength, IMS operates an extensive network of constituent hospitals with a combined capacity of **2,614 beds**. These include 1,385 beds at Sir Sunderlal Hospital**,** 180 in the Ayurveda Wing**,** 334 in the Trauma Centre**,** 13 in the Faculty of Dental Sciences**,** 430 in the Centenary Super Specialty Block**,** 100 in the Mother & Child Health Wing**,** 60 in the Centre of Excellence for Mental Health**,** 12 in the Bone Marrow Transplant & Stem Cell Research Centre, and 100 in the Regional Institute of Ophthalmology. Together, these healthcare facilities provide state-of-the-art patient care, while also serving as vibrant training grounds for medical professionals.

Additionally, construction work is presently underway for two vital projects: a **150-bed Critical Care and Burn Unit** and a **200-bed National Centre for Ageing.** Once functional, the Critical Care and Burn Unit will provide specialized, advanced treatment for severe trauma and burn injuries**,** significantly reducing morbidity and mortality rates in the region. Meanwhile, the National Centre for Ageing will address the pressing healthcare needs of the rapidly expanding elderly population**,** offering specialized geriatric care, rehabilitation, and research-driven interventions**.** Together, these upcoming facilities will not only strengthen IMS's clinical capabilities but also extend its role as a regional and national hub of advanced, compassionate, and inclusive healthcare**.**

IMS also houses a Regional Resource Centre for Telemedicine, equipped with advanced tele-education and tele-consultation facilities, including high-tech classrooms, thereby expanding the reach of quality healthcare and medical education beyond geographical boundaries.

Academically, the Institute offers a comprehensive continuum of medical education, spanning undergraduate (UG), postgraduate (PG), post-doctoral (D.M. and M.Ch.), and

doctoral (Ph.D.) programs. These programs integrate rigorous academic instruction with advanced clinical training and research, nurturing medical professionals and scholars capable of addressing contemporary healthcare challenges with competence and compassion.

Hospitals and Clinical Facilities

With **1,585 beds in Sir Sunderlal Hospital** and **334 beds in the Trauma Centre**, the Institute of Medical Sciences (IMS), BHU, delivers world-class healthcare services to vast sections of society, particularly the economically disadvantaged populations of Eastern Uttar Pradesh, seven adjoining states, and even the neighbouring country of Nepal. Complementing its expansive public service, IMS also administers a Staff Health Centre and a Student Health Care Complex, ensuring accessible, high-quality medical facilities for the University's staff and student community.

Sir Sunderlal Hospital

With a capacity of 1,585 beds, the Sir Sunderlal Hospital (SSH), stands as a beacon of advanced healthcare, medical training, and patient welfare. Over the decades, SSH has grown from a regional referral centre into a comprehensive hub of multidisciplinary healthcare, blending compassionate service with cutting-edge medical practice.

The Hospital offers a wide spectrum of outpatient, inpatient, and emergency services, covering virtually every specialty and super-specialty of modern medicine. Highly qualified doctors, supported by experienced nursing staff and paramedics, ensure that every patient receives holistic, evidence-based, and empathetic care. The hospital also serves as the nucleus of medical education and research, providing invaluable clinical exposure to undergraduate, postgraduate, and doctoral students, thereby nurturing the next generation of healthcare leaders.

In recent years, SSH has undergone a transformational upgrade in infrastructure and services, aligning itself with the University's vision of becoming a national centre of excellence comparable with premier institutes such as the All India Institute of Medical Sciences (AIIMS). A landmark addition has been the **430-bed Centenary Super-Specialty Block**, offering highly advanced and specialized care across 11 major super-specialty disciplines. This modern facility includes **13 modular operating theatres**, **50 Intensive Care Units (ICUs)**, and **19 Critical Care Units (CCUs)**, along with a cutting-edge blood bank equipped with component separation facilities, which has received an 'A' grade certification from the **National AIDS Control Organization (NACO), New Delhi**. A **mobile blood bank van** further augments patient outreach and emergency care delivery.

Complementing these advances, several new specialized units have been inaugurated by the Honourable Prime Minister of India, Shri Narendra Modi, including a **100-bed Mother and Child Health Wing**, a **100-bed Regional Institute of Ophthalmology**, a **12-bed Bone Marrow Transplant and Stem Cell Research Centre**, and a **60-bed Centre of Excellence for Mental Health**. Each of these facilities has expanded SSH's scope of care, offering highly specialized services in women's and child health, ophthalmology, oncology, regenerative medicine, and mental health.

Beyond patient care, SSH has embraced a culture of **innovation and academic excellence**. It remains deeply engaged in **multidisciplinary clinical research**, with numerous projects addressing pressing healthcare challenges of the region, from non-communicable diseases and maternal health to infectious disease management. Regular **seminars, clinical workshops, and academic symposia** are organized within its premises, nurturing a dynamic exchange of knowledge among students, clinicians, and researchers.

Trauma Centre

The Trauma Centre of the Institute of Medical Sciences (IMS), BHU, perhaps stands as the largest and most advanced facility of its kind in India, serving as a sanctuary of healing for patients in dire need of critical and emergency care. With a capacity of **334 beds**, including a **27-bed state-of-the-art Intensive Care Unit (ICU)**, the Centre has been conceived as a model of modern trauma medicine. It is centrally air-conditioned, with centralized gas and vacuum distribution systems and a **10,000-liter liquid oxygen plant**, ensuring seamless life-support infrastructure even in the most challenging circumstances.

The Centre is equipped with 13 modular operating theatres, enabling simultaneous, high-end surgical interventions across multiple specialties. Comprehensive care is extended through expansive outpatient services in Orthopaedics, Plastic Surgery, and Neurosurgery, alongside specialized inpatient units for Neurosurgery, Orthopaedics, Plastic Surgery, Polytrauma, and Emergency Medicine**.** Its 24-hour Emergency Department, staffed with teams rigorously trained in **Advanced Trauma Life Support (ATLS)** and **Advanced Cardiovascular Life Support (ACLS)**, is complemented with cutting-edge resuscitation technologies, significantly improving patient survival outcomes.

To ensure rapid and precise diagnosis, the Trauma Centre operates round-the-clock diagnostic lab and imaging services, including a **128-slice CT scanner**, **1.5 Tesla MRI**, **ultrasonography**, and **digital X-ray facilities**. A dedicated **blood bank**, alongside a **225-seat auditorium** for academic activities and **24-hour ambulance services**, makes the Centre a self-sustaining hub for both patient care and academic excellence.

In line with its philosophy of compassionate and inclusive healthcare, the Trauma Centre has introduced a series of **patient-centric services** designed to minimize the financial and logistical burdens of treatment. All indoor patients are provided with **free dietary services**, ensuring that their nutritional needs are carefully managed during recovery. Similarly, the Centre extends **free medicines and implants** to admitted patients, alleviating the economic pressures often associated with advanced trauma care. **Free X-ray facilities** have also been made available, while **diagnostic reports are shared directly with patients and families through phone-based services**, reducing delays and enhancing convenience. Further, the introduction of **digital payment mechanisms** has streamlined transactions, reinforcing transparency and ease of access in patient services.

In recent years, the Trauma Centre has launched a series of **innovative initiatives** that underscore its leadership in trauma care services. The integration of **electronic medical records, teleconsultation platforms, and AI-enabled triage systems** has significantly enhanced the efficiency and accuracy of patient management. Equally significant has been the expansion of **simulation-based training programs**, which are equipping doctors, nurses, and paramedical staff with cutting-edge skills to handle high-pressure trauma scenarios with precision. The Centre has also intensified its community outreach programs, organizing road safety awareness drives, emergency response workshops, and first-aid training sessions to build resilience beyond the hospital walls.

Faculty Strength

The Institute's faculty composition during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	144	82	226
Associate Professor	59	40	99
Assistant Professor	69	50	119

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Dip.	Cert.
Admitted Students	322	300	50	26	5
Total Enrolment	1426	889	689	40	5

Publications and Patents

The Institute of Medical Sciences (IMS) at Banaras Hindu University continued to demonstrate its distinguished scholarly leadership during the academic year, achieving remarkable milestones in academic research and innovation. The Institute made substantial contributions to the global body of medical knowledge, with faculty members publishing **443 national** and **491 international research papers**, alongside **60 national** and **39 international research articles**. Complementing these achievements, IMS scholars authored **44 books—40 at the national** and **4 at the international level**—as well as **102 book chapters**, of which **69 were published nationally** and **33 internationally**. These accomplishments reflect the Institute's unwavering academic rigor, interdisciplinary expertise, and sustained commitment to advancing medical science.

In the realm of innovation and intellectual property, the Institute continued to excel, **filing 15 patents**, of which **7 have already been granted**. Noteworthy contributions include, The Institute's faculty have advanced a broad portfolio of national and international patents reflecting strong innovation across medical, dental, and technological domains. Key filings include an international patent by Prof. Gopal Nath for a specialized apparatus for capnophilic bacterial cultivation, and multiple patents by Dr. Rakesh Verma covering AI-enabled diagnostic devices, IoT-based systems, portable testing technologies, and wearable biosensor platforms. Dr. Lalit Mohan Aggarwal and Dr. Sunil Choudhary jointly filed three national patents on advanced HDR brachytherapy applicators, with one granted. Prof. Sameer Trivedi secured a patent for an RNA-based diagnostic kit for prostate cancer. Further national patents were filed for a tulsi-based dental fluoride varnish (Dr. Mahesh Khairnar and Dr. P. G. Naveen Kumar), orthodontic devices and bonding compositions (Dr. Ajit Parihar), a micro-PCB system for enhancing bone remodeling (Dr. Ashish Agrawal), and innovative bone graft and titanium surface-modification technologies (Dr. Rajesh Bansal), including one granted patent.

Research Projects and Seminars

The Institute of Medical Sciences (IMS) continued to reinforce its distinguished position as a centre of advanced medical research during the academic session 2024-25. The Institute secured **21 new research projects** amounting to Rs. **7.3 crore**, reflecting its capacity to attract substantial competitive funding. In addition, **64 ongoing research projects** with a cumulative value of Rs. **44.5 crore** were actively pursued during the year, underscoring the Institute's strong research infrastructure and its sustained commitment to scientific advancement.

The Institute also demonstrated exceptional leadership in scholarly engagement by organizing **54 seminars and conferences**, providing vibrant platforms for academic exchange and knowledge dissemination. Faculty involvement in these events was considerable, with **72 members presenting research papers** at national and international forums. The academic distinction of IMS was further highlighted through the invitations extended to its **118 faculty members** to serve as session chairs, keynote speakers, and guest lecturers, affirming their expertise and influence within the broader academic community.

The Institute takes great pride in the recognition bestowed upon its scholars, with **47 faculty members receiving prestigious national and international awards** during the academic year. These honours reflect the high calibre of the Institute's research, teaching, and contributions to the medical sciences.

Collaborations

During the academic year 2024–25, the Institute entered into significant national collaborations to strengthen its academic and clinical engagement. A collaboration was established with the 39 Gorkha Prashikhan Kendra (39 GTC) to advance sports medicine and physiology support for military recruits, focusing on enhancing physical performance, reducing injury incidence, and providing scientifically guided training, rehabilitation, and preventive strategies under the expertise of Dr. Hanjabam Barun Sharma. Additionally, an MoU with the Department of Surgical Oncology at AIIMS, New Delhi, was formalized to support a specialized Thoracic Oncology Fellowship, thereby fostering advanced clinical training and academic exchange.

Community Engagement and Outreach

During the academic year 2024–25, the Institute undertook an extensive range of extracurricular and outreach initiatives aimed at community engagement, health promotion, and student welfare. Key activities included multiple student mental wellbeing sessions, broad-based school outreach visits, and a comprehensive series of health talks at RHTC Chiraigaon addressing cancer awareness, infectious diseases, antimicrobial resistance, lifestyle disorders, and public health observances. The Institute also organized health melas, specialty screening camps, thematic awareness programmes, pediatric and surgical outreach events, and several national health-day observances, collectively benefiting thousands of participants. In parallel, targeted academic and fitness-oriented interactive sessions were conducted in collaboration with various university departments, alongside specialized clinical screening initiatives under DBT-UMMID and ICMR projects. Student-centric activities were

equally robust, featuring observances such as No Tobacco Day, World Oral Health Day, anti-ragging awareness programs, cultural and academic events under "Wisdom" and "Spandan," scientific lectures, symposiums, AETCOM role-play sessions, structured journal clubs, internal assessments, and professional development programs, ensuring holistic academic growth and active participation of undergraduate and postgraduate students.

Hospital Statistics

The hospital statistics for 2024 highlight the vast healthcare operations of hospitals under the Institute. The hospitals catered to over **17.42 lacs outpatient visits, 79,518 admissions, and performed 54,013 surgeries**. This is complemented by nearly **47.59 lacs clinical investigations**, underscoring the breadth and depth of its medical services.

Infrastructure Development

During the academic year 2024–25, the Institute undertook substantial infrastructure expansion to enhance clinical capacity, research capability, and patient-centric services. Major developments included the ongoing establishment of the Critical Care & Burn Unit, National Centre of Ageing under NPHCE–MoHFW, extensive Kayakalp-supported renovation of two floors and the OT complex, and the initiation of a Therapeutic Drug Monitoring Facility. Significant upgrades were made through BHU Development funds, including installation of a CT Simulator, enhancement of the mould room, creation of a 10-bedded patient ward, and expansion of surgical oncology operations with an additional OT and increased bed strength to 50. New research, library, and dining facilities were established through Kayakalp support. The Institute also saw the establishment of a DBT-funded NIDAN Kendra, commissioning of a 20-bedded HDU, and installation of a neuro-endoscope through HEFA funding, collectively strengthening the institution's clinical and academic infrastructure.

Notable Visitors

During the academic year 2024–25, the Institute hosted several eminent national and international experts who contributed through lectures, academic interactions, and clinical insights. Distinguished international visitors included Dr. Shankar Iyer of Rutgers University, USA, a noted clinician and diplomate of the American Board of Oral Implantology; Dr. Raghunath C. V., a prosthodontist from Australia; Dr. R. P. Chaudhary from Kanti Children's Hospital, Kathmandu; Prof. Arvind Sehgel; Prof. Shalini Ojha of Nottingham University, UK; and Dr. Suresh Swarnapuri, President of the Association Europe Ayurveda Academy, France. Nationally renowned personalities included Dr. Nikhil Srivastava of Subharti Dental College; Dr. Sujay J., a leading orthodontist; Dr. Sanjeev Kumar, former Director, NHSRC; eminent AIIMS faculty such as Prof. S. M. Vitharia, Prof. D. K. Gupta, and Prof. Arvind Kumar; senior pediatric surgeons including Dr. Anand Kumar, Dr. Dasmit Singh, and Dr. S. Ramesh; as well as specialists such as Dr. H. P. Miglani, Prof. Vikesh Agarwal, and Prof. Hitesh Mishra. The Institute also benefited from academic engagements by Dr. Krishnamohan Attmmakuri (DBT, GoI), Dr. Rajendra Prasad, and Prof. Aruna Ojha, alongside a CME in Pulmonary Medicine that attracted substantial participation. Collectively, these visits enriched academic discourse, clinical learning, and interdisciplinary exposure within the Institute.



2.1.3. INSTITUTE OF ENVIRONMENT & SUSTAINBLE DEVELOPMENT

Introduction

In consonance with the United Nations' vision that higher education must serve as a catalyst for fostering the knowledge, skills, and competencies essential for sustainable development, Banaras Hindu University established the **Institute of Environment & Sustainable Development (IESD)** in 2010. Conceived with farsighted purpose, the Institute is committed to advancing education, research, and outreach activities pivotal to India's sustainable progress. Its overarching mission is to contribute meaningfully to national development and poverty eradication through the judicious, equitable, and science-based management of natural resources.

The Institute stands today as a distinguished centre of interdisciplinary learning and scholarship in the domains of environment and sustainable development. It offers a comprehensive **Master of Science programme in Environmental Sciences**, with specializations in **Environmental Biotechnology**, **Ecological Sciences**, and **Earth and Atmospheric Sciences**. In addition, the Institute hosts robust **doctoral** and **integrated M.Phil.–Ph.D. programmes** across diverse branches of Environmental Sciences and Technology, including **Earth and Atmospheric Sciences**, **Ecological Sciences**, **Environmental Microbiology**, and **Sustainable Agriculture**. A major strength of the Institute is the **DST-Mahamana Centre of Excellence in Climate Change**, an interdisciplinary and multidisciplinary research initiative aligned with India's National Action Plan on Climate Change, enabling cutting-edge work in climate science and resilience strategies.

The Institute's academic reach extends well beyond its own programmes. Faculty members actively contribute to teaching and mentoring across various M.Sc. programmes—including **Geophysics**, **Environmental Sciences**, **Environmental Science & Technology**, and **Applied Microbiology**—both within Banaras Hindu University and at other reputed national and international institutions. This cross-disciplinary engagement underscores the Institute's commitment to strengthening environmental education and research across the wider academic ecosystem.

The academic year **2024-25** marked a period of significant growth and achievement for the Institute, characterized by exemplary research contributions, strategic collaborations, infrastructural enhancement, and comprehensive

student development initiatives. Together, these accomplishments reaffirm the Institute's steadfast dedication to excellence in education, pioneering research, and community-oriented endeavours, firmly establishing its standing as a national leader in environmental and allied sciences.

Faculty Strength

The faculty composition of the Institute during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	4	2	6
Associate Professor	4	2	4
Assistant Professor	3	1	4

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	PG	Ph.D.	Dip.	Cert.
Admitted Students	49	0	00	0
Total Enrolment	89	68	85	0

Publications

The Institute continued to strengthen its scholarly footprint through an impressive range of academic contributions during the year. A total of **13 national** and **73 international research papers** were published, reflecting the Institute's robust presence in global scientific discourse. In addition, **7 national** and **8 international research articles** were disseminated across esteemed scholarly platforms. The Institute further enhanced its academic stature through the publication of **three internationally released books and monographs**. Faculty members also contributed **24 book chapters**, with an equal distribution between national and international publications, underscoring the Institute's balanced engagement with both domestic and global academic communities.

Research Projects and Seminars

The Institute sustained its strong research momentum by securing **4 new research projects** with a cumulative financial outlay of **Rs. 1.3 crore**, while simultaneously pursuing **24 ongoing projects amounting to Rs. 6 crore**. These endeavours underscore the Institute's commitment to generating impactful research in environment and sustainable development.

To foster intellectual exchange, the Institute organized **8 seminars and conferences**, providing scholars with platforms for dialogue, collaboration, and the presentation of emerging research. Faculty engagement in the global academic community remained vibrant, with **4 members** presenting papers at national and international forums. Furthermore, **eight** faculty members were honoured with invitations to serve as session chairs, keynote speakers, and panelists, a testament to their academic leadership and recognition in the field.

Extracurricular Activities

The Institute remained committed to community outreach through practical, field-oriented initiatives. A total of **8 programs** were conducted to raise awareness among farmers regarding **cultivation and methods of farming**, utilising biofertilizers and bio-decomposers. These programmes benefitted **over 500 participants**, reflecting the Institute's meaningful engagement with the wider community and its contribution to sustainable agricultural practices.

Placement and Student Progression

The Institute's efforts in facilitating student employability yielded commendable outcomes. During the academic year 2024-25, **nine postgraduate students** secured campus placements with annual salary packages ranging from **INR 4 to 6 lakh**, with reputed organisations. Through competitive examinations, **eight postgraduate and doctoral students** attained positions offering packages between **INR 4 and 6 lakh** annually, with several placements occurring in government institutions.

Student progression into higher studies remained equally impressive. Learners secured admission to prestigious institutions in India and abroad, demonstrating the Institute's strong academic foundations.



2.1.4. INSTITUTE OF MANAGEMENT STUDIES

Introduction

Banaras Hindu University, through its Institute of Management Studies (IMS), has continued to carry forward the noble vision of its illustrious founder, Pandit Madan Mohan Malaviya Ji, by carving out a distinguished legacy in management education. The journey began in 1968, when the University introduced postgraduate and doctoral programs in Management within the Faculty of Commerce, marking a transformative step in expanding the academic frontiers of the institution. In response to the growing demand for high-calibre management education and cutting-edge research, the Department of Management Studies was elevated to an independent Faculty of Management Studies in 1984, enabling the launch of innovative programs under the stewardship of distinguished faculty of national and international repute. In December 2015, this Faculty achieved yet another milestone, with its upgradation into the Institute of Management Studies (IMS)—a testament to the University's commitment to global standards of excellence in management education.

Today, the Institute offers a comprehensive portfolio of academic programmes, including the MBA, MBA-IB, MBA (Agribusiness), Ph.D. in Management Studies, and several diploma and certificate programs. Strong linkages with the corporate world ensure that the Institute remains industry-relevant, with guest lectures, academic collaborations, and curriculum revisions continually enriched by the insights of industry leaders and global experts. A distinctive feature of IMS is its Business Clinic, a unique initiative that bridges the gap between theory and practice by extending expert advisory services to entrepreneurs and enterprises.

The Institute also hosts the Atal Incubation Centre—Mahamana Foundation for Innovation and Entrepreneurship (AIC-MFIE-IM-BHU), a flagship initiative under the Atal Innovation Mission, NITI Aayog, Government of India. The Centre has become a nurturing ground for innovation and entrepreneurship, guiding start-ups towards building scalable and sustainable enterprises, thereby aligning the University with the national mission of fostering a culture of innovation.

The academic year 2024-25 was marked by significant strides across diverse fronts—research output, strategic collaborations, infrastructure enhancement, student-centric initiatives, and placements. Each of these achievements reflects the Institute's unwavering dedication to academic excellence, innovation, and societal impact. IMS continues to consolidate its position as a premier institution of management

education, not only within India but also in the global arena, producing leaders, innovators, and change-makers who embody the spirit of "Vidyayā Amṛtam Aśnute"—through knowledge, one attains immortality.

Faculty Strength

The faculty composition of the Institute during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	9	1	10
Associate Professor	3	1	4
Assistant Professor	8	8	16

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	PG	Ph.D.	Dip.	Cert.
Admitted Students	195	0	85	0
Total Enrolment	389	87	85	0

Publications

The vibrant research culture of the Institution found eloquent expression in its scholarly output during the year. Faculty members contributed **12 research papers** in **national journals** and an impressive **24 in internationally refereed journals**, alongside **4 national** and **2 international research articles**, collectively strengthening the Institution's intellectual footprint. The academic community further enriched disciplinary discourse through books and monographs, comprising one national and one international publication, as well as through the authorship of **book chapters—three in national volumes** and **one in an international compilation**. This body of work not only underscores the rigour and diversity of faculty scholarship but also reflects the Institution's enduring commitment to advancing knowledge at both national and global levels.

Research Projects and Patents

The faculty members of the Institute continue to demonstrate an unwavering commitment to research and innovation**.** During the year, they successfully secured **2 new research projects** with a cumulative outlay of **₹ 0.50 crore**, in addition to the continuation of **5 ongoing projects** amounting to **₹ 0.60 crore**.

A particularly distinguished milestone was achieved in 2024 by Dr. Ashutosh Mohan, who was awarded an **international patent** for his pioneering work titled *"CNN and Image Processing-Based Device for Evaluation and Analysis of Financial Reports."* The patent, filed on 12 February 2024 and formally granted on 28 August 2024, stands as a landmark accomplishment, not only underscoring the Institute's growing stature in cutting-edge interdisciplinary research but also affirming its role in shaping globally relevant innovations at the interface of technology, finance, and applied sciences.

Participation in Seminars and Awards

The Institute continued to promote a vibrant academic culture through the organization of four seminars and conferences, fostering dialogue and knowledge exchange across disciplines. Faculty members also engaged actively at national and international platforms, with four presenting research papers and three serving in prestigious roles as session chairs, keynote speakers, and invited speakers.

In recognition of their academic excellence, one faculty member was conferred with distinguished national and international awards, underscoring the Institute's growing reputation for impactful scholarship and leadership in higher education.

Incubation and Start-ups

In terms of entrepreneurial initiatives, the Institute of Management Studies has supported several start-ups through its incubation programs. **19 companies** across various sectors, including digital marketing, healthcare, information technology, and social impact, have been nurtured within the Institute. Furthermore, the Institute has facilitated **4 start-ups**, securing a total of **₹ 16.83 Lacs** through both internal and external funding sources.

Academic and Infrastructure Development

Academically, the Institute introduced a new Massive Open Online Course (MOOC) on 'Principles of Management' through NPTEL-

SWAYAM, catering to both undergraduate and postgraduate students. Infrastructure development has also been a priority, with the creation of a new computer lab equipped with 44 computers.

Placement and Progression

During the academic year, the Institute recorded strong placement outcomes. At the **postgraduate level**, 115 male and 45 female students appeared for campus recruitment, with **110 male and 41 female students successfully placed**. The salary packages ranged from **₹19.8 LPA to ₹6 LPA**. A total of **57 organizations** participated in the campus drive, including prominent recruiters such as **Infosys, Wipro, EY, ICICI Bank, Federal Bank, SBI Life, Adani Wilmar, VECV, and DCM Shriram**. In addition, **3 male and 1 female student** secured direct placements through competitive examinations in public sector banks, with packages averaging around **₹12 LPA**.



2.1.5. INSTITUTE OF SCIENCE

Introduction

Established in 1916, the Faculty of Science at Banaras Hindu University has, over the decades, evolved into the distinguished Institute of Science, one of the foremost academic pillars of the University. Renowned for its breadth and depth, the Institute offers a comprehensive spectrum of undergraduate, postgraduate, doctoral, diploma, and certificate programmes, encompassing nearly every sphere of basic and applied sciences. Its vibrant academic ecosystem is sustained by 13 departments, 6 specialised centres, and 2 interdisciplinary schools, each equipped with state-of-the-art laboratories and advanced research facilities, enabling both foundational inquiry and frontier innovations.

The faculty members of the Institute, many of whom are globally recognised scholars and fellows of India's most prestigious science academies, have forged enduring collaborations with premier academic and research institutions across the world. Their distinction, coupled with their dedication, has continually propelled the Institute into the vanguard of scientific exploration.

Over the years, the Institute has benefited from significant governmental support through flagship schemes such as DST-FIST, DRS-SAP, and DST-PURSE, which have enabled the development of cutting-edge infrastructure for teaching and research. Building upon this momentum, the Institute has established pioneering facilities, including the Central Discovery Centre, SATHI Centre, BIRAC-supported Bio-incubation setup (BIONEST), and the Seismic Imaging Centre, each of which strengthens its capacity for transformative research and innovation.

Beyond its academic and technological pursuits, the Institute remains deeply committed to student development, extracurricular enrichment, and community engagement**,** fostering a holistic environment where intellect, creativity, and character flourish together.

In its unwavering pursuit of excellence, the Institute of Science continues to exemplify the ideals of discovery, innovation, and service to society, thereby reaffirming its stature as a premier institution in the realm of science—nationally and globally.

Faculty Strength

The Institute's faculty composition during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	124	41	165
Associate Professor	26	19	45
Assistant Professor	114	96	210

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Dip.	Cert.
Admitted Students	1233	1260	128	49	0
Total Enrolment	2969	2533	1435	49	0

Publications, Patents & Technological Innovations

The Institute of Science has continued to set benchmarks of excellence through its remarkable academic and research achievements spanning diverse scientific disciplines. Its faculty members have contributed prolifically to the global body of knowledge, with an impressive tally of **1,521 international** and **109 national research papers**, alongside **51 international** and **49 national research articles**. Further enriching the scholarly landscape, the faculty have authored 23 international and 3 national books/monographs**,** in addition to 111 international and 16 national book chapters, collectively reinforcing the Institute's standing as a vibrant hub of intellectual creativity and dissemination.

In the realm of innovation and intellectual property, the Institute has secured notable milestones, with **12 patents filed and 5 granted** during the review period. These achievements eloquently testify to the strength of its **research and innovation ecosystem**. Among the distinguished contributions:

- **Prof. S. Srikrishna** was granted a patent in June 2024 for a *multifunctional diarylurea–hydroxyamidine compound* for the treatment of Alzheimer's disease.
- **Prof. Parimal Das** and **Prof. BhagyaLaxmi Mohapatra**, with their collaborators, received national patents in September 2024 for *novel antiviral phytomolecule-based compositions* targeting SARS-CoV-2.
- **Mr. Ritesh Kumar Chourasia, Dr. Surendra Prasad, and Dr. Vivek Singh** obtained patents in 2024 for pioneering optical innovations, including a *Bragg fiber waveguide bio-sensor* and a *tunable inline narrow band optical Bragg filter*.
- **Prof. A. M. Kayastha and team** were awarded an international patent in March 2025 for a *bio-recognition element-based nano-sensor*.

Research Projects, Seminars and Awards

The research vigour of the Institute of Science is resplendently reflected in its success in attracting **79 new research projects** with a cumulative outlay of **₹ 27 Crore**, alongside the continuation of **243 ongoing projects** amounting to **₹ 90.82 Crore**. This robust research portfolio underscores the Institute's stature as a dynamic hub of scientific inquiry and innovation.

Further enriching its academic environment, the Institute has organised **43 national and international seminars and conferences**, serving as vibrant platforms for intellectual exchange. Its faculty have also demonstrated remarkable global engagement, with **69 faculty members deputed** to present research at leading conferences worldwide. Equally noteworthy, **93 faculty members** have been accorded the honour of serving as **session chairs, keynote speakers, and panelists**, bringing international recognition to the University's academic leadership. Crowning these achievements, **29 faculty members** were recipients of **prestigious national and international awards and fellowships**, a reflection of their exceptional scholarship and contributions to the advancement of science.

Collaborations

The Institute of Science continues to exemplify its commitment to academic excellence and research innovation through a series of significant national and international collaborations undertaken by its constituent departments. These partnerships not only strengthen the Institute's global academic footprint but also contribute meaningfully to

addressing some of the most pressing challenges of our time.

- The **Department of Chemistry** entered into two pivotal MoUs: one with the **Uttar Pradesh State Pollution Control Board, Lucknow** (Aug 2024–Jul 2025) for *air quality monitoring in Varanasi*, and another with the **International Rice Research Institute (IRRI)** (Aug 2024–May 2025) for *greenhouse gas (GHG) measurements in paddy fields*, thereby linking cutting-edge science to pressing environmental concerns.

- The **Department of Home Science** forged a collaboration with the **39 Gorkha Training Centre, Varanasi** (2024–26), providing expert guidance on *improving the nutritional status of Agniveer recruits* of the Indian Army—a unique intersection of science and national service.

- The **Department of Physics** entered into a **five-year MoU with the University of Allahabad** for *academic cooperation and scholar exchange*, reinforcing inter-institutional synergy in the advancement of physical sciences.

- The **Department of Zoology** initiated two distinguished international collaborations: an **Indo-French partnership** enabling *joint Ph.D. student registrations* (5 years), and an **Indo-German WISER–IGSTC project** (3 years), symbolising India's growing role in cross-continental scientific research.

These collaborations are not merely academic linkages; they represent the Institute's proactive global engagement and its enduring resolve to foster a network of knowledge, innovation, and societal impact**.** In doing so, the Institute of Science reinforces its role as a bridge between local relevance and global excellence, advancing the frontiers of research while nurturing partnerships that transcend borders.

Infrastructure Development

During 2024–25, significant infrastructure development took place across several departments. In the Department of Biochemistry, construction of the 2nd and 3rd floors of the new Biochemistry Building is in progress, while the Department of Molecular Human Genetics has undertaken finishing work of its incomplete new building. The Department of Physics made notable additions with the establishment of a Soft Nano Materials Research Lab under Dr. Nafisa Begam and the installation of a complete Noise Fundamental set-up in the M.Sc. (Final) Electronics Laboratory to enhance student training. Similarly, the Department of Zoology strengthened its research capacity through the creation of a Basic Cell Biology Research Facility. Collectively, these initiatives highlight the University's commitment to strengthening research and teaching infrastructure.

Extracurricular and Student-Centric Activities

The academic session 2024–25 at the Institute of Science was enriched by a dynamic array of extracurricular and outreach programmes, designed to extend learning beyond classrooms and to nurture holistic development among students.

The Department of Botany welcomed over 1,200 students for guided visits to the Botanical Garden and Instrumentation Facility, and also conducted a short-term online course on Research Methodology, benefitting more than 200 participants. The Centre for Genetic Disorders reached thousands through its impactful science outreach, including programmes in schools, participation in the India Science Festival (2,600 participants), and STEM events conducted in collaboration with leading national institutions, directly engaging 3000+ students. The Department of Chemistry carried out school visits, academic outreach for higher secondary students, and wellness initiatives, while the Department of Molecular Human Genetics fostered community spirit through an Annual Sports Day and welcome programmes for new entrants. Likewise, the Department of Home Science undertook a wide range of nutrition and wellness-focused initiatives, including training workshops, interactive lectures, educational tours, and student exposure visits.

The Institute also witnessed a flourishing of student-centric activities across its departments. The Department of Biochemistry hosted a vibrant series of 10 weekly seminars**;** Chemistry

organised orientation programmes for incoming M.Sc. students along with wellness counselling sessions; Home Science introduced students to kitchen gardening, alongside academic tours and competitions; Physics attracted over 300 participants for an invited lecture on *Career Opportunities in Physics* and organised a lively quiz competition; while Statistics infused sportsmanship into scholarship through *Cricketistics-2025*, engaging 80 enthusiastic participants.

Notable Visitors and their Contributions

During the academic year 2024–25, the Institute of Science had the privilege of hosting a distinguished constellation of **national and international scholars, scientists, and industry leaders**, whose presence enriched the intellectual fabric of the campus. Among the eminent visitors were Dr. Soumya Swaminathan (MSSRF)**;** Prof. Sasanka Deka (University of Delhi)**;** Prof. K.C. Kumara Swamy and Prof. Deevi Basavaiah (University of Hyderabad)**;** Prof. Justus Masa (Max Planck Institute, Germany)**;** Prof. Dipankar Dasgupta (University of Memphis, USA)**;** Prof. Rajiv Ranjan, Dr. Varun Ojha, and Dr. Devki Nandan Jha (Newcastle University, UK)**;** and Prof. Ramesh P. Singh (Chapman University, USA). In addition, the University welcomed senior scientists and technologists from **IITs, IISc, ISRO, DRDO, BARC, CSIR laboratories**, and from **leading international research centres in France, Israel, Belgium, Taiwan, South Africa, and the United States**.

Through their lectures, interactive sessions, and collaborative initiatives, these luminaries offered the University community invaluable exposure to global research frontiers in chemistry, physics, earth sciences, genetics, materials science, and nuclear technology. Equally enriching were the engagements with industry leaders and professionals, including CEOs and experts from ONGC, UTI Pension Fund Ltd., TCS, and ACEDS, who shared transformative insights on innovation, risk analytics, and applied research**.**

Placement and Progression

During the academic year 2024–25, the Institute registered remarkable achievements in the domains of placements and higher academic pursuits. Through organized campus recruitment drives, more than **150 postgraduate students** successfully appeared for selection processes conducted by leading corporations, including **Deloitte, Accenture, Fractal, Crowe, LegitAI, Sun Petro, OIL**, among others. The placement packages secured by the students ranged between **₹8.45–15 LPA**, reflecting both the calibre of the graduates and the confidence of industry in their competencies.

In parallel, a distinguished group of students attained direct placements through competitive examinations, joining prestigious organizations such as the Geological Survey of India (GSI), ONGC, BARC, and the Indian Air Force, with packages reaching up to **₹18 LPA**. Equally noteworthy was the **academic progression** of students across undergraduate, postgraduate, and doctoral streams, with **over 100 candidates** advancing to higher studies within India and a significant cohort securing opportunities abroad for doctoral and postdoctoral research.



2.2.1. MAHILA MAHAVIDYALAYA

Introduction

Mahila Mahavidyalaya has held a pre-eminent position in the realm of women's education since its inception in 1929. Conceived as the realisation of Mahamana Pandit Madan Mohan Malaviya Ji's visionary ideal, the institution embodies his conviction that true empowerment of women lies in an education that harmoniously blends the enduring values of tradition with the progressive spirit of modernity. For over nine decades, it has remained steadfast in its mission, providing women from diverse social and cultural backgrounds the opportunity to pursue higher education. Today, the college offers undergraduate programmes across 31 subjects in the streams of Arts, Science, and Social Sciences, along with postgraduate courses in **Home Science, Education, and Bioinformatics**.

With an enrolment of nearly **2,500 students drawn from across India and abroad**, Mahila Mahavidyalaya continues to nurture intellectual growth and academic excellence. Its robust infrastructure includes state-of-the-art science laboratories, a central instrumentation facility, a well-stocked library, smart classrooms, six residential hostels, and an expansive sports ground, all of which foster an environment conducive to holistic learning.

The academic strength of the College is enriched by the dedication of over one hundred distinguished faculty members, who contribute not only to undergraduate teaching but also to the broader academic life of the University. Many are actively engaged in postgraduate teaching in their respective parent departments, serve on boards of studies and departmental research committees, and supervise doctoral research, thereby extending the influence of MMV far beyond its own precincts.

In alignment with the University's student-centric philosophy, MMV places particular emphasis on the holistic development of its learners. Initiatives such as the FLY leadership programme, student well-being and counselling services, as well as vibrant sporting and cultural activities, ensure that education extends beyond the classroom to shape confident, responsible, and socially engaged individuals.

During the academic year 2024-25, Mahila Mahavidyalaya registered notable accomplishments in the spheres of academic achievement, infrastructure enhancement, and student engagement. Its initiatives reflect an abiding commitment to research, faculty development, institutional collaboration, and the

creation of transformative learning experiences, reaffirming its role as a pioneering institution in the advancement of women's education.

Faculty Strength

The faculty composition of the Mahila Mahavidyalaya during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	7	23	30
Associate Professor	1	5	6
Assistant Professor	39	40	79

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG
Admitted Students	902	120
Total Enrolment	2686	243

Publications and Patents

The institution has registered remarkable progress in research and scholarly contributions, exemplifying its commitment to the advancement of knowledge. During the year, a total of **257 research papers** were published, comprising **66 national and 191 international publications**, thereby reflecting both breadth and global relevance of its academic output. In addition, **seven research articles**—including **one national and six international**—were contributed to reputed journals. The intellectual endeavour of the faculty further extended to the publication of **seven books** and **fifty-nine book chapters**, reaffirming the institution's steadfast dedication to enriching academic discourse and expanding the frontiers of literature across disciplines.

During the academic year, faculty members demonstrated commendable progress in innovation through the filing and securing of several patents. **Dr. Karuna Singh** filed a national patent for an *Inhalation Chamber for Rodents*. **Prof. Neelam Srivastava** was granted a national patent (No. 556229) for *Low-Cost Electrolyte Membranes for Microbial Fuel Cell Application*, in December 2024. **Dr. Meenakshi Singh** made noteworthy contributions with multiple patents, including a granted patent for a *MIP-QCM Device for Detection of Neisseria meningitidis Bacteria*; a filed patent for a *MIP-Sensor for Detection of Salmonella Typhi*; and a more recent filed patent for a *Dual-Epitope Imprinted Sensor for Detection of Mycobacterium leprae Protein*.

Research Projects and Conference

Research initiatives during the year were significantly strengthened with **61 ongoing projects**, reflecting the institution's steadfast commitment to advancing the frontiers of knowledge and fostering innovation of societal relevance. The faculty's intellectual engagement extended far beyond the campus, with **79 members** disseminating their research as presenters, keynote speakers, and resource persons at esteemed national and international forums. The academic vibrancy of the institution was further enriched through the organization of **68 seminars and conferences**, which served as dynamic platforms for scholarly dialogue, collaborative exchange, and community engagement. Adding to these accomplishments, the faculty's pursuit of excellence was recognized through the conferment of **six prestigious awards** at both national and international levels, underscoring the global standing and academic distinction of the institution.

Infrastructure Development

During the academic session 2024–25, Mahila Mahavidyalaya undertook significant infrastructure development to strengthen academic and residential facilities, creating a more conducive learning and living environment. Major initiatives included the renovation of the Science Block with generous support from alumna Smt. Usha Mittal, the upgradation of academic buildings to enhance teaching and research spaces, the restructuring of old hostel buildings to ensure safe and modern residential facilities, and the establishment of an AMUL refreshment outlet on campus to add to the convenience and well-being of students.

Extracurricular Activities and Outreach Programs

Throughout the academic session, student-centric activities were conducted at multiple levels under the aegis of NCC, NSS, Well-being and Life Skills Initiatives, as well as through

various departmental and sectional engagements. These initiatives reflected the institution's commitment to holistic development, civic responsibility, and cultural enrichment.

Among the key highlights were a **Painting Workshop** and the **Nature–Flora Series**, fostering creativity and environmental consciousness. Under the banner of the **NASI–Varanasi Chapter**, specialized science programmes were organized to nurture and inspire budding women scientists. Observances such as yoga and fitness sessions during **National Nutrition Month** and a **Nutrition Awareness programme** for children in underprivileged communities embodied the ethos of extension and outreach.

Equally significant were the **NSS Special Camp**, **Blood Donation Drive**, and the **celebration of National Science Day**, each reinforcing the spirit of service, scientific inquiry, and social commitment. Culminating these activities was a vibrant **cultural programme on International Women's Day**, which celebrated the ideals of empowerment, inclusivity, and creative expression.

Placement and Progression

In terms of placements, the Mahila Mahavidyalaya recorded modest yet meaningful outcomes. A select number of students secured opportunities through campus selections in reputed organizations such as **PW, ALLEN**, with packages ranging between **₹3 to 4 lakh per annum**.

Beyond placements, a significant proportion of students chose to pursue higher studies within India, reflecting the institution's enduring role as a strong foundation for advanced academic and professional pursuits. This progression underscores MMV's commitment to nurturing graduates who are not only career-ready but also academically inclined towards lifelong learning and research excellence.



2.3.1. FACULTY OF ARTS

Introduction

The Faculty of Arts at Banaras Hindu University stands as one of the institution's oldest and most distinguished centres of learning, its origins tracing back to the establishment of the **Central Hindu College** by Dr. Annie Besant in 1898. This historic institution laid the foundation for what would evolve into the illustrious Banaras Hindu University (BHU), a premier seat of higher learning committed to the pursuit of knowledge, cultural enrichment, and national advancement. Envisioned as a guardian of India's intellectual and cultural legacy, the Faculty of Arts aspires to preserve, interpret, and promote the nation's rich heritage while fostering a meaningful integration of traditional scholarship with contemporary academic thought.

The Faculty remains steadfast in its endeavour to cultivate a harmonious synthesis between time-honoured wisdom and modern intellectual paradigms, with the overarching aim of advancing the holistic development of humanity. It sustains a vibrant and dynamic academic atmosphere that promotes interdisciplinary inquiry, creative expression, and scholarly innovation, all anchored in the timeless principles of human dignity and freedom. Through its **21 departments** and **four prominent research centres**, the Faculty facilitates rigorous engagement with traditional and indigenous knowledge systems, critically examining their relevance, vitality, and applicability in the context of a rapidly evolving world.

The Faculty offers an expansive portfolio of undergraduate, postgraduate, and research programmes across a diverse array of disciplines, including Indian and foreign languages, history, culture, archaeology, art history, philosophy, and religion. Complementing these core academic offerings are several professional and vocational programmes such as Journalism and Mass Communication, Library and Information Science, Tourism and Travel Management, Museology, and Functional Hindi. With **B.A. and M.A. programmes in 21 disciplines**, extensive **Ph.D. research opportunities**, and a comprehensive suite of **diploma and certificate courses**, the Faculty of Arts is dedicated to nurturing informed, culturally grounded, and socially responsible individuals capable of making meaningful contributions to society.

During the academic year **2024-25**, the Faculty of Arts demonstrated an impressive spectrum of academic achievements, research advancements, and extracurricular initiatives, reinforcing its status as a cornerstone of excellence within Banaras Hindu University.

Faculty Strength

The faculty compositionof the Faculty of Arts during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	64	25	89
Associate Professor	14	13	27
Assistant Professor	80	69	149

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Dip	Cert
Admitted Students	1155	1278	154	45	2
Total Enrolment	3573	2447	1067	71	2

Publications

The Faculty of Arts has continued to uphold its distinguished tradition of scholarly excellence through a robust array of publications during the academic year. Faculty members made significant contributions to national and international academic discourse, with **78 research papers** published in reputed national journals and **10 research papers** appearing in esteemed international fora. Complementing these contributions were **11 national** and **7 international research articles**, reflecting the Faculty's sustained engagement with diverse scholarly communities.

The Faculty also demonstrated exceptional leadership in the domain of academic publishing, with the release of **8 nationally published books and monographs**, representing a substantial enrichment of the global humanities corpus. Furthermore, faculty members contributed **25 book chapters** to national and international volumes, underscoring their active involvement in advancing interdisciplinary and cross-cultural scholarship.

Research Projects and Conferences

The Faculty's unwavering commitment to interdisciplinary and impactful research is exemplified by its engagement in **54 research projects**, a testament to its expanding scholarly footprint and its growing influence within the global academic community. These projects reflect the Faculty's sustained efforts to advance knowledge across diverse domains within the humanities and social sciences.

During the academic year, the Faculty organized **20 seminars and conferences**, each serving as a distinguished forum for the exchange of ideas, critical dialogue, and collaborative inquiry. These academic gatherings fostered a vibrant intellectual atmosphere, enabling scholars, researchers, and students to engage with emerging perspectives and contemporary debates.

Further underscoring its academic prominence, **62 faculty members** were invited to serve as **keynote speakers, session chairs, and guests of honour** at prestigious national and international seminars and conferences. These invitations reflect the recognition of the Faculty's expertise and its esteemed standing within the global scholarly community.

Infrastructure Development

During the academic year 2024–25, the Faculty strengthened its academic resources through the establishment of key linguistic infrastructure. A dedicated Language Laboratory for teaching Tamil as a second language was set up with financial support from the Tamil Development Department, Government of Tamil Nadu, amounting to Rs. 8,00,000. Additionally, a Computational Linguistics Laboratory was created under the Institute of Eminence (IoE) initiative, further enhancing the Faculty's capabilities in language technology and advanced linguistic research.

Extracurricular Activities and Outreach Programs

During the academic year 2024–25, the Faculty organized a diverse range of extracurricular and outreach activities aimed at enriching student engagement and promoting social responsibility. Key events included a one-day eco-tour to the Chandraprabha Wildlife Sanctuary, literary and cultural programmes in Nepali and Tamil, a departmental cricket match, and a PR campaign titled "Sundar BHU Swachh BHU." The Faculty

also participated in the Government of Uttar Pradesh's plantation initiative "Ek Ped Maa Ke Naam," conducted a national seminar for students, and hosted the annual Lib Fest. Academic enrichment activities were further strengthened through invited lectures by distinguished speakers, each drawing substantial participation. Collectively, these initiatives fostered academic growth, cultural appreciation, environmental awareness, and community engagement among students.

Students Centric Initiatives

During the academic year 2024–25, the Faculty conducted an extensive array of student-centric activities designed to enhance academic skills, cultural literacy, research orientation, and holistic development. Major initiatives included two thematic workshops—one on recent research methodologies and another on film theory and practice—along with a poster competition on girl child discrimination and the annual sports meet "Olympic Odyssey." The Faculty also organized a series of academic observances and commemorative events, such as Language Recognition Day, Subramania Bharathi Memorial Lecture, Bharatiya Bhasha Diwas, Hindi Patrakarika Diwas, and an Environment Day programme titled "Vriksha Sanvardhan." Additional engagements included media visits to All India Radio, student orientation programmes, external expert lectures, debate and quiz competitions, Marathi Bhasha Diwas celebrations, and induction programme lectures for newly admitted students. These activities collectively fostered academic enrichment, cultural engagement, and comprehensive student development across the Faculty.

Eminent Visitors

During the academic year 2024–25, the Faculty hosted a distinguished group of national and international personalities who enriched its academic environment through lectures, discussions, and interactive sessions. International visitors included representatives from the French Embassy and DAAD, as well as renowned scholars such as Dr. Lakshmi Bandlamudi, Dr. Dhana Prasad Subedi, and Dr. Takahasi of Tokyo University. The Faculty also welcomed prominent national figures, including Prof. Arpita Chattaraj, Dr. Yojna Shah Jain, Prof. Prakash Kumar Maiti, and Dr. Siddhartha Biswas, who delivered lectures on literature, culture, and social theory. Additional engagements featured book discussions and interactive sessions with authors, journalists, and academic leaders such as Atul K. Thakur, Anjana Menon, and Dr. Ram Sharma. Senior administrators and eminent academics from leading Indian institutions—including the University of Delhi, University of Hyderabad, AMU, MGKVP, Dr. BAMU, and others—also addressed students and faculty. Collectively, these visits fostered rich interdisciplinary dialogue and significantly strengthened the Faculty's academic and cultural discourse.

Placements and Student Progression

The Faculty of Arts recorded commendable achievements in student placements and academic advancement during the academic year 2024-25. In the campus recruitment drive, **18 undergraduate students** and **12 postgraduate students** successfully secured placements, with annual salary packages ranging from **INR 2.4 to 3.0 lakh**. These outcomes reflect the Faculty's ongoing efforts to enhance employability and professional readiness among its students.

The Faculty also witnessed significant success in placements through competitive examinations, particularly at the postgraduate and doctoral levels. A remarkable **23 postgraduate students** and **about 100 Ph.D. scholars** secured positions with salary packages ranging from **INR 5.0 to 12.0 lakh per annum**. Many of these appointments were made in esteemed state and central universities, as well as through competitive selection processes conducted by bodies such as the **UPSC**, **UPPSC**, **JPSC**, **NVS**, and **EMRS**, further affirming the academic excellence and preparedness of the Faculty's graduates.

Student progression to higher education continued to be a defining strength of the Faculty. Among undergraduate students, **27 individuals** advanced to postgraduate studies, while an impressive **82 postgraduate students** pursued **Ph.D. programmes**, reflecting a deep commitment to scholarly pursuit. Additionally, **19 doctoral graduates** progressed to **postdoctoral research positions**, demonstrating the Faculty's success in nurturing future scholars and contributing to the global academic talent pool.



2.3.2. FACULTY OF COMMERCE

Introduction

The Faculty of Commerce at Banaras Hindu University (BHU) is one of the largest and most prestigious commerce faculties in the country, carrying forward a distinguished legacy of over eight decades. Its origins date back to 1940, when it was established as an adjunct department to the Department of Economics. On the auspicious occasion of the University's Silver Jubilee in 1950, it emerged as an independent department and, in recognition of its academic distinction and growing stature, was elevated to the status of a full-fledged Faculty in 1965. Since then, it has steadily evolved into a centre of excellence in commerce and management education, nurturing generations of professionals, scholars, and entrepreneurs.

In the present academic year, the Faculty continues to uphold its tradition of academic rigor and curricular innovation. It offers a wide spectrum of programmes, including **B.Com. (Hons.)**, **M.Com.**, and **Ph.D. courses**, designed to build strong foundations in commerce and business studies. In addition, the Faculty has responded to the dynamic demands of the global business environment by introducing specialized self-financing programmes such as the **M.B.A. in Financial Management (M.B.A.-F.M.)**, **M.B.A. in Risk & Insurance (M.B.A.-R&I)**, and **M.B.A. in Foreign Trade (M.B.A.-F.T.)**. These industry-relevant programmes prepare students to address contemporary challenges in finance, insurance, and international business with professional competence and analytical insight.

The Faculty has also extended its academic reach to the Rajiv Gandhi South Campus (RGSC) at Barkachha, Mirzapur, where it offers B.Com. (Hons.) under the paid seat category and B.Com. (Hons.) in Financial Market Management (F.M.M.). This expansion has significantly widened access to specialized commerce and finance education, particularly for students from the adjoining regions, while ensuring consistency in academic standards with the main campus.

The scholarly contributions of the Faculty of Commerce reflect its vibrant research culture and commitment to knowledge creation. Faculty members have made notable contributions through research publications in reputed journals, authorship of books, and writing of chapters in edited volumes, thereby enriching the discourse in commerce, management, and allied disciplines. Their active participation in national and international conferences and seminars has not only advanced the exchange of ideas but has also elevated the University's profile in global academic forums.

Faculty Strength

The faculty composition of Faculty of Commerce during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	10	5	15
Associate Professor	0	0	0
Assistant Professor	6	9	15

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.
Admitted Students	672	506	0
Total Enrolment	1913	925	132

Research Publications

The Faculty has also maintained a robust presence in academic research, making qulaity contributions to the advancement of knowledge in commerce and allied disciplines. During the reporting period, faculty members published **6 research papers** besides **2 international research articles**. In the domain of book publications, the Faculty added to the academic corpus with **3 books authored at the national level**, providing valuable insights and extending the reach of its intellectual contributions.

In addition, faculty members enriched collective academic works through the publication of **3 book chapters**, each offering specialized perspectives that deepen the understanding of emerging themes in commerce and management. The existing body of work underscores the Faculty's commitment to sustained academic engagement and its role as a key contributor to both national and international scholarship.

Research Projects

The Faculty has also been actively engaged in research projects, undertaking **a total of four initiatives** during the reporting period. These projects stand as a testament to the Faculty's commitment to advancing the frontiers of knowledge, fostering innovation, and addressing contemporary challenges within the domain of commerce and allied disciplines.

Academic Events and Participation

The Faculty has also played a proactive role in fostering academic dialogue and intellectual exchange through its engagement in scholarly events. During the year, it organized **two seminars** that served as a valuable platform for the dissemination of ideas, critical debate, and knowledge sharing. Complementing these efforts, **two** faculty members were deputed to participate in national and international conferences, where they presented their research findings and engaged with the global academic community, thereby extending the Faculty's intellectual footprint.

The academic stature of the Faculty is further reflected in the prestigious invitations extended to its members to assume key roles in eminent forums. A total of **seven faculty members** were invited to serve as session chairs, co-chairs, keynote or invited speakers, as well as resource persons, guests of honour, panelists, and moderators. Such recognition underscores the esteem in which the Faculty is held within academic and professional circles, attesting to the depth of expertise and thought leadership it continues to contribute.

Eminent Visitors

During the academic year 2024–25, the Faculty had the privilege of hosting several eminent personalities of national and international repute, whose visits greatly enriched the academic environment. Among them was **Prof. Sanjeet Kumar Gupta**, Vice-Chancellor of Jananayak Chandrashekhar University, and **Prof. D.C. Rai**, Vice-Chancellor of Babasaheb Bhim Rao Ambedkar University, Muzaffarpur. The Faculty was also honoured by the visit of **Prof. J.P. Lal**, Chancellor of the Central University of Jharkhand.

Adding further distinction, the Faculty welcomed **Prof. T.V. Rao**, widely acclaimed as the *Father of HRD in India* and Chairman of TVRLS, alongside **Dr. M.H. Raja**, National President of the National Institute of Personnel Management. The academic exposure was further broadened with the presence of international dignitaries such as **Prof. (Dr.) Ravindra Raina** from Durban University, South Africa, and **Ms. Vandana Chak**,

a senior academician associated with Harvard Law School.

These visits not only created invaluable opportunities for interaction and exchange of ideas but also enhanced the Faculty's stature as a centre for vibrant intellectual engagement.



2.3.3. FACULTY OF EDUCATION

Introduction

The Faculty of Education, the oldest and most distinguished faculty of Banaras Hindu University, holds a place of pre-eminence in the history of Indian higher education. Established on 15 August 1918 as the *Teachers' Training College (TTC)* at the Kamachha Campus in the heart of Varanasi, it has, since its inception, been a beacon of excellence in teacher education and educational reform. Over the past century, it has nurtured and supplied generations of highly qualified educators who have left an indelible imprint on the nation's educational landscape. The elevation of TTC to the Faculty of Education in 1968 marked a new and illustrious chapter, expanding its scope and reinforcing its central role in advancing knowledge and pedagogy.

The faculty has consistently gone beyond the successful execution of its flagship academic programmes—**B.Ed., M.Ed., and Ph.D.**—to serve as a pivotal national resource centre. It has spearheaded initiatives in academic leadership, personality development, skill enhancement, computer literacy, MOOCs, assistive technologies, and sign language instruction, while fostering a robust research culture in both general and special education. Its state-of-the-art facilities—ranging from specialized laboratories in **Science, Language, Computer, Social Science, Environmental Education, and Psychology**, to dedicated support for the **visually and hearing challenged**—stand as testimony to its commitment to inclusive and future-oriented education.

During the academic year **2024-25**, the Faculty of Education continued to demonstrate commendable academic achievements and transformative contributions to higher education, consolidating its reputation as a cradle of knowledge, innovation, and service to society.

Faculty Strength

The faculty compositionof the Faculty of Education during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	7	10	17
Associate Professor	1	0	1
Assistant Professor	8	6	14

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.
Admitted Students	198	107	0
Total Enrolment	395	219	107

Publications and Research Projects

The Faculty has produced a substantial body of research, including **35 national** and **8 international research papers**, which underscoring its commitment to advancing educational knowledge and practice. In addition to research papers, the faculty has contributed 3 national research articles, **8 national-level books**, and **20 national book chapters**. These publications reflect the ongoing dedication of the Faculty of Education to enriching the academic discourse in education. In 2024-25, the Faculty hosted **10 research projects**.

Seminars & Conferences

The Faculty organized **2 seminars** and conferences, providing a platform for scholarly exchange and disseminating new ideas. Faculty members have also been recognized for their contributions, with **8 members** deputed to attend conferences in India and abroad, and **6 faculty members** invited as session chairs, keynote speakers, and resource persons at various academic events.

Extracurricular Activities and Student Centric Activities

During the academic year 2024–25, the Faculty curated a vibrant spectrum of extracurricular and outreach activities that enriched both academic and cultural life. The year began with creative expressions through Sketching and Rangoli Competitions, followed by a resource lecture on research planning and proposal writing delivered by Prof. P.K. Gupta, which provided young scholars with valuable methodological insights. The Induction Programme for B.Ed. students set a strong foundation for academic pursuit, graced by distinguished speakers, whose inspiring words guided the new entrants.

The Faculty also celebrated linguistic and cultural heritage through **Hindi Diwas competitions**, and instilled a spirit of national pride and social responsibility during Birsa Munda Remembrance Day (**Tribal Pride Day**). Academic enrichment was further strengthened through a **lecture followed by** interactive sessions with international scholars, thereby broadening the global exposure of students and faculty alike. Alongside these formal initiatives, informal engagements such as the **M.Ed. Freshers' Party** nurtured a sense of camaraderie and community spirit within the campus.

A highlight of the year was the **"Finding Leaders in You (FLY)"** programme, conducted in two phases during January and February 2025 in collaboration with the **Competitiveness Mindset Institute, USA**. With the enthusiastic participation of over 150 students, this flagship initiative exemplified the faculty's commitment to shaping future-ready leaders equipped with confidence, creativity, and a competitive mindset.

Eminent Visitors

During the academic year 2024–25, the Faculty was graced by the visits of several eminent personalities. These included **Prof. Ashwini Karwande** (Department of Education, Maulana Abul Kalam Azad Bhawan, Mumbai), an expert in statistical applications in educational research; **Prof. P. C. Shukla** (Former Head and Dean, Faculty of Education, BHU); **Prof. Harikesh Singh** (Former Vice-Chancellor, JPNU, Chapra); **Mrs. Rashmi Kakkar** (CMI); and **Prof. P. K. Gupta** (Former Vice-Chancellor, NEHU), noted for his expertise in research planning and proposal writing. The Faculty also hosted international scholars—**Professors Milen Zamfirov Zamfirov, Ekaterina Nedelcheva Sofronieva, and Kaloyan Ivanov Damyanov** from Sofia University, Bulgaria.

Placement and Student Progression

During the academic year 2024–25, campus recruitment recorded notable outcomes at the undergraduate level, with **22 male and 9 female students** securing placements in esteemed institutions such as **Priyanla Memorial International School, Ghazipur**, and **Shree Academy**, with annual compensation packages ranging between **₹2–3.5 lakh**.

Beyond campus-based opportunities, direct placements through competitive examinations underscored the academic preparedness of the students. Notably, **one PG student from the 2020–22 batch** and **two students from the 2023–25 batch** successfully qualified through the **Bihar Public Service Commission (BPSC)** examinations, securing appointments as **Trained Graduate Teachers (TGTs)** and **Postgraduate Teachers (PGTs)** with annual packages in the range of **₹4–6 lakh**.

In addition to placements, the Faculty has actively facilitated the academic progression of its students. A substantial proportion of undergraduate graduates have advanced to pursue M.Ed. programmes, while many postgraduates have continued their academic journey through enrolment in higher research degrees. Significantly, some scholars have joined as Postdoctoral Fellows (PDFs) within the Faculty of Education**,** further strengthening its research ecosystem and academic vibrancy.



2.3.4. FACULTY OF LAW

Introduction

Since its inception, the Faculty of Law at Banaras Hindu University has stood as a vanguard of legal education in India, shaping the discipline with a vision of social relevance and academic excellence. Anchored in its mission to provide **career-oriented legal training**, the Faculty has continually adapted to the changing contours of law and justice, equipping its students to meet the evolving demands of diverse sectors such as business, industry, commerce, governance, and other emerging domains.

A pioneer in curricular innovation, the Faculty introduced the **three-year LL.B. program**, the **two-year LL.M. program**, and the **specialized LL.M. in Human Rights and Duties Education (HRDE)**, aligning its offerings with the needs of modern society. It has also been among the early adopters of the **choice-based credit system** across its flagship programs—LL.B. (Hons.), LL.M., and LL.M. (HRDE)—thereby offering flexibility and academic rigor to students. Since 1978, the Faculty has been actively engaged in extending **legal aid and services** to marginalized and underprivileged communities, reflecting its deep commitment to social justice and inclusivity.

At present, the Faculty offers a comprehensive spectrum of programs, including LL.B., LL.M., LL.M. (HRDE), B.A.-LL.B., Ph.D., and diploma courses, fostering a holistic and multi-layered legal education ecosystem. It also publishes the esteemed Banaras Law Journal, a scholarly platform carrying research articles and book reviews from eminent academics, jurists, and practitioners. Frequently cited by research scholars as well as in the judgments of the High Courts and the Supreme Court of India, the journal embodies the Faculty's intellectual contribution to the development of jurisprudence.

In its continued pursuit of excellence, the Faculty of Law upholds the illustrious legacy of BHU through cutting-edge research, vibrant academic events, impactful student development initiatives, and sustained engagement with the larger society. It remains steadfast in its endeavour to nurture not only skilled professionals but also socially responsible citizens committed to the cause of justice.

Faculty Strength

The faculty composition of the Faculty of Law during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	15	5	20
Associate Professor	5	5	10
Assistant Professor	14	8	22

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.
Admitted Students	376	94	0
Total Enrolment	1148	163	127

Publications

During the academic year 2024-25, the Faculty of Law distinguished itself through commendable research output and scholarly engagement. Faculty members authored an impressive body of work, including **16 national** and **one international** research paper, alongside two books and eight book chapters. These contributions reflect a sustained commitment to advancing legal scholarship and enriching academic discourse at both national and global levels.

Research Projects and Seminars

The Faculty successfully completed **five** research projects, underscoring its dedication to producing impactful and policy-relevant legal research. In addition, the Faculty organized several seminars and conferences, serving as vibrant forums for legal dialogue, critical analysis, and the exchange of emerging ideas within the discipline.

Notably, several faculty members were invited to serve as Session Chairs, Keynote Speakers, and Resource Persons at distinguished national and international conferences—an honour that attests to their expertise and reinforces the Faculty's academic prominence within the legal fraternity.

Extracurricular and Outreach Activities

The Faculty's commitment to community engagement and experiential learning was evident through its dynamic extracurricular and outreach initiatives. A major highlight of the year was the **12th Mahamana Malaviya National Moot Court Competition, 2025**, which attracted more than 50 participating teams from across the country, demonstrating the Faculty's leadership in fostering practical legal skills and advocacy training.

Further extending its outreach, the Faculty organized an impactful programms, commemorating **United Nations Human Rights Day** and **World Anti-Corruption Day**. This initiative aimed to cultivate leadership qualities, ethical awareness, and life skills among students, while simultaneously spreading social consciousness within the community.



2.3.5. FACULTY OF PERFORMING ARTS

Introduction

The Faculty of Performing Arts at Banaras Hindu University is dedicated to the promotion and preservation of India's rich musical and dance traditions. Established in 1950 through the visionary efforts of Pt. Govind Malaviya and founding Principal Sangit Martand Pt. Omkar Nath Thakur, the then *College of Music and Fine Arts* earned the unique distinction of establishing the first Department of Musicology in India.

Today, the Faculty comprises four departments—Vocal, Instrumental, Dance, and Musicology—and offers a wide spectrum of academic programmes, including **Ph.D., postgraduate, undergraduate, and diploma courses**. Its curriculum embraces both **Hindustani and Karnatic vocal music**, a range of instrumental traditions such as **sitar, violin, flute, tabla, and mridangam**, as well as classical dance forms like **Kathak and Bharatnatyam**.

In addition to its strong academic foundation, the Faculty has been deeply engaged in performance, research, and outreach. Faculty members and students regularly participate in government functions, cultural festivals, and radio and television programmes, thereby extending the university's cultural presence beyond the campus. The Faculty presently offers B.Mus. and M.A. programmes in three disciplines, Ph.D. programmes, and multiple diploma courses, creating pathways for both rigorous scholarship and professional artistry.

During the academic session 2024-25, the Faculty reinforced its role as a beacon of excellence in the performing arts. Through its academic rigour, active engagement in national and international performances, student development initiatives, and community-oriented activities, it contributed significantly to the preservation and promotion of India's cultural heritage. With its rich legacy and forward-looking vision, the Faculty continues to nurture the next generation of performers, scholars, and cultural ambassadors.

Faculty Strength

The faculty compositionof the Faculty of Performing Arts during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	4	3	7
Associate Professor	5	4	9
Assistant Professor	5	6	11

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Dip
Admitted Students	93	78	0	0
Total Enrolment	262	170	134	0

Publications

The Faculty has witnessed a remarkable academic year, distinguished by significant contributions to research and scholarship. During the period under review, faculty members collectively published **65 research papers** in reputed **national and international journals**, reflecting both intellectual rigor and global engagement. In addition, they enriched the corpus of academic literature through the authorship of **one national book** and the contribution of **five scholarly book chapters**, thereby strengthening the Faculty's standing as a vibrant hub of knowledge creation and dissemination.

Research Projects and Seminars

The Faculty also successfully **completed 11 research projects**, further consolidating its research profile. Over the year, it **organized 14 seminars and conferences**, serving as platforms for intellectual exchange and collaboration. The scholarly visibility of the Faculty was further enhanced with **24 faculty members presenting research papers** at national and international forums. In addition, **16 faculty members were invited** to deliver keynote addresses, chair sessions, or serve as panellists, reflecting their academic recognition and leadership in their respective domains. Notably, **9 faculty members received prestigious national and international awards**, underscoring the Faculty's excellence and global standing in research and scholarship.

Performances and Contributions

During the academic session 2024–25, the **Faculty of Performing Arts** witnessed a vibrant spectrum of artistic engagements across its four departments, with faculty members carrying forward the university's legacy of excellence in music, dance, and scholarship.

In the **Department of Vocal Music**,

- **Prof. K. Sashi Kumar** presented a distinguished series of international **Carnatic vocal concerts** at ICCR Bangkok (September 2024), and in Colombo at the **University of Colombo, Jayvardhanepura University, and UVPA** (March 2025).
- **Prof. Sangeeta Pandit** enriched the cultural calendar through acclaimed performances at **Ramotsava** (organized by *Subah-e-Banaras* and later by the Ministry of Culture, Government of Uttar Pradesh), **Holi Milan** (BHU), **Suhana Chaitra** (Kanpur), and **Sur Sandhya – Chaiti Gayan** (Varanasi).
- **Prof. Revati Sakalkar** lent her artistry to landmark occasions such as the **Dev Deepavali Musical Evening**, *Shaheedon Ki Yaad Mein* (Varanasi), the **National Workshop on Meerabai** (SNA, New Delhi), and a recital at the **India International Centre, New Delhi**.
- **Dr. Ramshankar** gave more than a dozen classical recitals across India, including the **Malhar Utsav**, **Sawai Gandharv Samaroh** (Karnataka), **Dhrupad evam Thumri Utsav** (Patna), and also represented India at **ICCR Colombo** (March 2025).
- **Dr. Madhumita Bhattacharya** performed extensively at prestigious platforms ranging from **Ganga Mahotsav** and **Rangotsav** (Kashi Vishwanath Temple) to **ICCR Colombo**.
- **Dr. Shyama Kumari** and **Ms. Meghna Singh** contributed significantly with notable recitals at academic seminars, symposia, and the **Purvacharya Smriti Samaroh**.

The **Department of Instrumental Music** also demonstrated remarkable presence.

- **Dr. Supriya Shah's** performance calendar included the **Krishnamurti Foundation Annual Gathering** (Chennai), **Ganga Mahotsav**, and **ICCR programmes**.
- **Dr. Chandan Vishwakarma** performed widely at **IIT BHU conferences**, **Ramotsav** (Ayodhya), **Ganga Mahotsav** (Varanasi), and the **200 Days of Kashi Vandan** celebrations.
- **Dr. Rakesh Kumar** delivered an impressive series of solo recitals across India, including **Pt. Chotelal Mishra Jayanti Samaroh**, **Kajari Mahotsav** (Lucknow), **ISSEMCON 2024** (BHU), and

the **International Performing Arts Festival** (2025).

In the **Department of Dance**, faculty members upheld the grandeur of India's classical traditions on prominent stages nationwide.

- **Dr. Vidhi Nagar** gave distinguished solo performance at **Rasa Bahar** (Lucknow), the **Classical Dance Festival** (Kolkata), **Neemrana Fort** (Delhi), **Kathak Kendra** (Delhi), and also earned international exposure at **ISMEECON 2024**.
- **Dr. Dipanwita Singha Roy** presented acclaimed Kathak recitals at the **Birla Institute** (Pilani), **Kerala Kalamandalam** (Koothambalam), **Pt. Birju Maharaj Kathak Sansthan** (Lucknow), and the **Purvacharya Smriti Samaroh** (BHU).
- **Dr. Ranjana Upadhyay** performed at **Abhinandan Nav Samvatsar** (Varanasi), **Dev Deepawali**, **Ganga Mahotsav**, and **Ramotsava** (Ayodhya), while **Dr. Khileshwari Patel** contributed through her recitals at **Banasas Rail Karkhana** (Varanasi), the **Kashi Ganga Mahotsav**, and the **Poorvacharya Smriti Samaroh**.

In the **Department of Musicology**,

- **Dr. Shubhanker Dey** brought further laurels to the Faculty by representing it in the **National Programme of Music** on **All India Radio** (8th March 2025).

Extra-Curricular Activities and Outreach

During the academic year 2024–25, the Faculty of Performing Arts actively organized a range of extracurricular and outreach programs across its departments. The **Department of Vocal Music** conducted plantation and *Swachhata Abhiyaan* drives, besides active participation in cultural events. Dr. Shyama Kumari coordinated *Spandan – Youth Festival* (Western Solo and Group), contributing to two programs with 10 participants. The Faculty also hosted the *Kaustubh Jayanti Samaroh (Opening Ceremony)* with around 200 participants and took part in the *Judgement Spandan, Youth Festival* at BHU with 45 participants.

The **Department of Instrumental Music** undertook significant collaborations and outreach initiatives. Faculty members engaged with institutions such as the *University of Allahabad* (1 workshop, 47 participants) and *Madhav Sangeet Mahavidyalaya, Ujjain* (1 workshop, 59 participants). Dr. Nikhil Bhagat conducted tabla workshops in Kerala (15 participants), at UVPA, Colombo, Sri Lanka (12 participants), and at the University of Peradeniya, Kandy, Sri Lanka (18 participants). Dr. B. Satyavara Prasad presented a Mridangam solo performance on VAPA Television, Colombo (10 participants). Further, under the *Kaustubh Jayanti Samaroh*, a lecture demonstration by Pt. Rajendra Prasanna was organized with 80 participants.

The **Departments of Dance and Musicology** also contributed to the extracurricular framework of the Faculty, with students and faculty actively participating in outreach, though specific program details are under compilation.

Eminent Visitors

During 2024–25, the Faculty of Performing Arts was graced by visits of several eminent personalities from the field of music, dance, and allied arts. In the department of Vocal Music distinguished visitors included **Prof. Sudhir Kumar Jain (Padmashree),** Vice Chancellor, BHU; **Dr. Malini Awasthi (Padmashree)**; **Dr. Soma Ghosh (Padmashree)**; **Pt. Ritwik Sanyal** and **Pt. Rajehwar Acharya**, both Padma awardees; along with noted artists.

In the **Department of Dance**, the Faculty had the honour of hosting **Pt. Ram Dayal Sharma (Padmashree)**, **Guru Shashadhar Acharya (Padmashree)**, **Ms. Kamalini Asthana (Padmashree)**, **Guru Pt. Ashimbandhu Bhattacharya (Kathak)**, and **Padmabhushan Uma Sharma (Kathak)**, and other noted theatre exponents.

In the **Department of Musicology**, the Faculty was privileged to host **Dr. Adinath Upadhyay**, an eminent musicologist of national repute.



2.3.6. FACULTY OF SOCIAL SCIENCES

Introduction

The Faculty of Social Sciences at Banaras Hindu University, one of the University's most venerable and distinguished centres of learning, has long upheld a proud tradition of fortifying the academic and intellectual foundations of the institution. Established in 1971 following its bifurcation from the Faculty of Arts—formerly the historic Central Hindu College—the Faculty has evolved into a premier hub of multidisciplinary scholarship. It comprises five eminent departments: Economics, History, Political Science, Psychology, and Sociology. Further enriching its academic profile are five specialised centres of advanced study—the Malviya Centre for Peace Research, Centre for Nepal Studies, Integrated Rural Development Centre, Centre for Women's Studies and Development, and the Centre for Social Inclusion. The Faculty is also privileged to host two prestigious academic chairs: the Dr. B.R. Ambedkar Chair and the recently instituted Pt. Deen Dayal Upadhyay Chair, each contributing significantly to critical and socially relevant scholarship.

Over the decades, the Faculty has nurtured generations of distinguished scholars and researchers—both from India and abroad—whose academic contributions have earned recognition on national and global platforms. Alongside its robust undergraduate and postgraduate programmes, the Faculty is celebrated for its rigorous doctoral research ecosystem. With an emphasis on interdisciplinary and transdisciplinary inquiry, it offers a comprehensive array of academic programmes including Bachelor of Arts (B.A.), Master of Arts (M.A.), Post-Graduate Diplomas, and Ph.D. degrees. The Faculty's vibrant intellectual ambience, coupled with its steadfast commitment to student-centred initiatives and extracurricular engagements, ensures the holistic development of learners.

The Faculty of Social Sciences at Banaras Hindu University has consistently upheld its distinguished legacy of academic excellence. During the academic year 2024-25, it continued this proud tradition through a spectrum of remarkable achievements in research, faculty development, student-centric initiatives, and outreach endeavours, thereby reaffirming its status as a premier institution of social science education and scholarship.

Faculty Strength

The faculty composition of the Faculty of Social Sciences during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	28	24	52
Associate Professor	8	4	12
Assistant Professor	29	32	61

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Dip
Admitted Students	594	879	8	17
Total Enrolment	1811	1735	631	17

Publications

The research contributions of the Faculty during the academic year were exemplary, reflecting its enduring commitment to high-quality scholarship at both national and international levels. Faculty members published **83 research papers**—**45** in reputed national journals and **38** in esteemed international journals—along with **6 research articles** that further advanced contemporary academic discourse. In addition, they contributed to **3 books or monographs**, thereby enriching the global scholarly landscape. The Faculty's intellectual engagement was further evidenced through the authorship of **19 book chapters**, reinforcing its position as a key contributor to interdisciplinary and comparative research.

Research Projects and Seminars

The Faculty continued to demonstrate its research leadership by securing **4 new research projects** valued at Rs. **0.6 crore**, alongside **14 ongoing projects** amounting to Rs. **4.03 crore**, reflecting sustained academic credibility and a dynamic research culture. During the year, the Faculty organized **9 seminars and conferences**, which provided distinguished platforms for scholars, researchers, and students to present their work, exchange ideas, and engage in meaningful scholarly deliberation.

The academic stature of the Faculty was further highlighted through the recognition bestowed upon its members. Fourteen faculty members participated in national and international conferences, presenting their research on prominent platforms. Moreover, **13 faculty members** were invited to serve as keynote speakers, session chairs, resource persons, and panelists—an honour that underscores their expertise and elevates the Faculty's visibility on the global academic stage.

Awards and Recognitions

The academic year was marked by distinguished honours, with the Faculty receiving **Three prestigious awards and recognitions**. These accolades stand as a testament to its unwavering dedication to excellence in teaching, research, and service to the community.

Extracurricular and Outreach Activities

Beyond its academic pursuits, the Faculty demonstrated a strong commitment to social outreach and extracurricular engagement. A significant event of the year was the **one-day programme organised on International Women's Day**, which witnessed the participation of **more than 200 individuals**. This initiative reflects the Faculty's deep-seated dedication to fostering social awareness, promoting gender equality, and engaging meaningfully with contemporary societal concerns.

Eminent Visitors

The intellectual environment of the Faculty was further enriched by visits from distinguished personalities from India and abroad. Among the notable guests include Dr. Lakshmi Bandlamudi is a Professor of Psychology at LaGuardia Community College, City University of New York. These visits provided invaluable inspiration to students and faculty while fostering opportunities for scholarly dialogue and potential future collaborations.

Student Placement

The placement performance of the Faculty during the academic year 2024-25 was noteworthy. At the postgraduate level, 31 male and 28 female students appeared for campus recruitment, with 17 males and 9 females successfully securing placements. Salary packages ranged from Rs. 4 LPA to Rs. 11.05 LPA, with reputed organisations

such as BHEL, GAIL India, UltraTech Cement, Larsen & Toubro and Bharat Electronics Ltd. participating in the recruitment process.

In addition, 43 male and 16 female postgraduate students achieved direct placements through competitive examinations, securing positions with salary packages between Rs. 4 LPA and Rs. 10 LPA. Leading public-sector organisations. At the doctoral level, 8 male and 3 female Ph.D. scholars secured placements with salary packages ranging from Rs. 4 LPA to Rs. 10 LPA, with notable appointments in institutions such as Sunbeam College for Women and the State Service Commission.



2.3.7. FACULTY OF SANSKRIT VIDYA DHARM VIGYAN

Introduction

The Faculty of Sanskrit Vidya Dharm Vigyan, established in 1918, stands as one of the earliest pillars of Banaras Hindu University's illustrious academic edifice. Conceived with the noble intent of preserving and promoting the profound legacy of ancient Indian scriptures, Sanskrit language, and classical literature, the Faculty has remained steadfast in its endeavour to foster a meaningful and scholarly dialogue between the intellectual traditions of the East and the West. Founded originally as the *Faculty of Prachya Vidya*, it has, since its inception, been committed to dispelling unfounded misconceptions surrounding Hindu religion, spirituality, astrology, and Tantra, while reinstating the timeless values of ethics, morality, and righteous conduct that form the bedrock of Bharatiya thought. Through its preservation of traditional pedagogical methods, the Faculty upholds the sanctity of India's classical oral and written traditions, ensuring the continuity of a rich and unbroken academic heritage.

At present, the Faculty comprises eight departments and one centre, imparting instruction in 23 distinguished subjects. It offers programmes at the Shastri (Undergraduate) and Acharya (Postgraduate) levels across eight disciplines, in addition to Vidyavaridhi (Ph.D.) programmes in Sanskrit, Theology, and other traditional fields of study. The Faculty further enriches its academic offerings through a range of diploma and certificate courses that cater to diverse scholarly interests.

In its pursuit of scholarly excellence, the Faculty publishes the annual research journal *Sanskritvidya*, a respected platform for researchers in the field of Oriental studies. Equally noteworthy is its uninterrupted publication of the *Vishwapanchang* since 1926 CE, a testament to its unwavering commitment to the advancement and dissemination of traditional knowledge.

The Faculty of Sanskrit Vidya Dharm Vigyan (SVDV) at Banaras Hindu University thus continues to shine as a venerable torchbearer of India's timeless wisdom. Throughout the academic year 2024-25, it remained actively engaged in a wide spectrum of scholarly endeavours, student-centric initiatives, and academic collaborations, reaffirming its dedication to both preserving the nation's cultural and intellectual heritage and inspiring future generations of learners and thinkers.

Faculty Strength

The faculty compositionof the Faculty of Sanskrit Vidya Dharm Vigyan during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	25	0	25
Associate Professor	2	0	2
Assistant Professor	9	7	16

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Dipl
Admitted Students	263	97	20	34
Total Enrolment	783	199	208	94

Publications

During the academic year 2024-25, the Faculty demonstrated remarkable scholarly productivity, contributing significantly to national and international academic discourse. A total of **31 research papers** and **10 research articles** were published in esteemed fora, reflecting the Faculty's unwavering commitment to advancing knowledge in Sanskrit and Dharmic studies. Complementing these contributions, **4 scholarly book** and **2 book chapters** were published at the national level, attesting to the active engagement of faculty members in critical and contemporary intellectual dialogues. Of particular distinction is the completion of several translations, a laudable endeavour that has greatly enhanced the accessibility of ancient and classical texts for a wider readership.

Research Projects and Seminars

During the academic year, the Faculty undertook **7 research project**, underscoring its sustained commitment to advancing scholarly inquiry in traditional Indian knowledge systems. In furtherance of its academic mission, the Faculty organized **17 seminars and conferences**, which served as vibrant platforms for intellectual discourse, fostering meaningful engagement among scholars from across the nation and abroad.

Faculty Engagement and Recognition

The active participation of the Faculty in the wider academic community is reflected in the scholarly contributions of its members. Seven distinguished faculty members presented research papers at prestigious national and international conferences, thereby enriching global academic dialogue. Additionally, 12 faculty members were invited to serve in esteemed roles such as session chairs, keynote speakers, resource persons, and panelists—an acknowledgment of their scholarly excellence and recognized authority in their respective fields.

Awards and Recognitions

The academic eminence of the Faculty was further affirmed through the conferment of **five prestigious national and international awards** and fellowships upon its distinguished members. These honours stand as a testament to the Faculty's enduring commitment to excellence and its influential role in the advancement of Sanskrit and Dharmic studies.

Student-Centric Initiatives

Aligned with its mission to promote the holistic development of learners, the Faculty conducted a series of student-centric programmes throughout the academic year. Creative and intellectual engagements such as painting, essay-writing, and slogan competitions witnessed enthusiastic participation, nurturing both artistic expression and reflective thought among students.

A strong emphasis on student well-being remained central to the year's activities. Two dedicated well-being programmes benefitted over 200 students, providing them with essential support and guidance. The Faculty also prioritised physical and mental health through a Yoga Camp, complemented by insightful lectures on the fundamentals of yoga and leadership development aimed at fostering personal growth and discipline.

Visits by Eminent Personalities

The academic year was graced by the visit of several eminent scholars, whose presence enriched the intellectual ambience of the Faculty. Distinguished among them were:

- **Prof. Jagat Ram Bhattacharya**, Viswa Bharati, Shantiniketan, whose scholarly insights especially in the filed of Prakrit Language deepened academic engagement;

- **Prof. Radha Vallabh Tripathi**, former Vice-Chancellor Rashtriya Sanskrit Vidyapeeth, New Delhi, whose visit reaffirmed the Faculty's legacy of excellence;

These visits served to invigorate scholarly discourse, offering students and faculty alike the invaluable opportunity to interact with and learn from towering figures in the field.

Placement and Career Progression

The Faculty's sustained commitment to shaping the professional trajectories of its students was reflected in commendable placement outcomes during the academic year. Through campus recruitment and institutional facilitation, undergraduate students secured positions in distinguished organizations, with salary packages reaching up to **Rs. 8 LPA**, particularly through opportunities extended by the Government of Uttar Pradesh and the Union Government of India. At the postgraduate level, students attained placements offering **Rs. 6 to 8 LPA**, signalling strong academic preparation and industry readiness.

Ph.D. scholars achieved remarkable success as well, with **11 male and 6 female candidates** securing employment packages ranging from **Rs. 6 to 10 LPA**. Many of these selections were accomplished through highly competitive examinations conducted by agencies such as the Bihar Public Service Commission and Kendriya Vidyalaya Sangathan.

Beyond professional placements, the academic aspirations of students continued to flourish. A total of **32 undergraduate students** advanced to postgraduate programmes, while **28 postgraduate students** proceeded to pursue doctoral studies. Furthermore, **5 Ph.D. scholars** progressed to postdoctoral research, underscoring the Faculty's distinguished role in nurturing the next generation of scholars, educators, and thought leaders.



2.3.8. FACULTY OF VISUAL ARTS

Introduction

The Faculty of Visual Arts, established in 1950 at Banaras Hindu University, stands as a distinguished cradle of creativity and scholarship, widely acclaimed for shaping the discourse of modern art education in India. Comprising three departments and three specialized sections, the Faculty offers a comprehensive spectrum of academic programs—ranging from Bachelor of Fine Arts (BFA), Master of Fine Arts (MFA), and doctoral (Ph.D.) degrees to Diploma and Certificate courses of varied durations—catering to diverse learners and disciplines such as Applied Art, Painting, Textile Design, Plastic Arts (Sculpture), and Pottery Ceramics.

Anchored in a philosophy of balanced integration of theory and practice, its curriculum blends rigorous studio training with a deep engagement in the History of Visual Arts and Design, nurturing artists and scholars who are equally rooted in tradition and responsive to contemporary movements. The Faculty's two state-of-the-art exhibition galleries serve as vibrant cultural nodes, curating works of eminent artists, emerging practitioners, and students from across India. These galleries not only enrich the University's cultural landscape but also provide a dynamic platform for dialogue between tradition and innovation.

Attracting students from across India and abroad, the Faculty has emerged as a global hub for creative expression, producing generations of alumni who have excelled as distinguished artists, educators, researchers, and cultural ambassadors. Many continue to make their mark worldwide, contributing to both academia and the creative industries.

The academic year 2024-25 has been especially remarkable, marked by research contributions, landmark artistic exhibitions, national and international collaborations, and student-focused initiatives. Together, these achievements reaffirm the Faculty's enduring legacy as a beacon of excellence in visual arts education and its commitment to advancing India's creative and cultural heritage on the global stage.

Faculty Strength

The faculty compositionof the Faculty of Visual Arts during the session 2024-25, is as follows:

Designation	Male	Female	Total
Professor	2	3	5
Associate Professor	2	1	3
Assistant Professor	14	10	24

Students Strength

Regarding the student body, the distribution for the academic year 2024-25 is outlined below:

Degree Level	UG	PG	Ph.D.	Cert.
Admitted Students	122	109	10	14
Total Enrolment	471	181	68	14

Publications and Research Projects

The Faculty has made noteworthy contributions to research, underscoring its commitment to advancing scholarship in the visual arts. During the academic year, faculty members published **19 research papers** in reputed national and international journals, alongside **8 research articles**, thereby enriching contemporary discourse in the field. In addition, the successful completion of **8 research projects** stands as a testament to the Faculty's sustained pursuit of knowledge creation and its dedication to fostering innovation within artistic and academic practices.

Conferences & Seminars and Awards

During the academic year, the Faculty distinguished itself through a vibrant culture of intellectual exchange and scholarly engagement. A total of **nine seminars and conferences** were organized, serving as dynamic platforms for dialogue, critical inquiry, and the dissemination of new ideas. Faculty members also demonstrated active participation on national and international stages, with **nine colleagues presenting research papers** at prestigious academic gatherings. Further, the recognition of **seven faculty members as keynote speakers, session chairs, and guest lecturers** is a testament to the esteem they command within the wider academic community.

In addition, the Faculty's excellence was acknowledged through the conferment of **four awards**, underscoring its significant contributions to both the academic and artistic domains, and further consolidating its reputation as a centre of creativity, scholarship, and innovation.

Art Exhibitions and Performances

During 2024–25, the Faculty of Visual Arts & Performing Arts made notable contributions through exhibitions, workshops, and conferences at national and international platforms. Prof. Uttama led with multiple exhibitions including *Kashi: Sankriti, Parampara evam Parivartan*, *Banaras Ghat – Its Beauty and Spirituality*, *Visual Voices for Peace*, and the *Banaras Lit Fest*, besides presiding and conducting art workshops in Gwalior and Lucknow. Faculty members Prof. Manish Arora and Prof. Jasminder Kaur also participated in the Banaras Lit Fest, while Dr. Ashish Kumar Gupta showcased his works in Gorakhpur, Amritsar, Lucknow, New Delhi, and at UNESCO-linked events. Dr. Mahesh Singh's art was selected for the *97th Annual AIFACS Exhibition* and *Creative Continuum*, along with participation in workshops and leadership programs. K. Suresh Kumar presented at the International Conference on Emotional Well-being and exhibited widely in Kerala, Varanasi, and beyond, while Dr. Suresh Chandra Jangid displayed at *Jehangir Art Gallery* and national workshops. Younger faculty and students, including Dr. Sunil Kumar Patel, Shristi Prajapati, Krishna Singh, and Saheb Ram Tudu, added to the Faculty's visibility through national exhibitions, the Banaras Lit Fest, and thematic workshops. Collectively, these achievements enriched the academic and creative landscape of the University and brought wider national and international recognition.

Academic Collaborations

The Faculty of Visual Arts also forged significant academic collaborations during the year, most notably through a partnership with **George Mason University, Washington, USA**. This collaboration is designed to foster cross-cultural knowledge exchange, promote joint academic initiatives, and extend financial support to meritorious students, thereby strengthening the Faculty's global engagement and commitment to nurturing talent.

Extracurricular Activities and Outreach Programs

During 2024–25, the Faculty organized three major outreach activities that extended artistic learning beyond the classroom. These included a **Sketching Workshop at Assi Ghat** with 67 participants, a **Mural Workshop at Lal Bahadur Shastri Boys' Hostel, BHU** with 53 participants, and a **Sketching Workshop at Vishwanath Temple** with 55 participants. Through these initiatives, students were meaningfully engaged

in creative practice within community spaces, thereby fostering experiential learning, cultural immersion, and a deeper connect with society.

Student-Centric Activities

During the academic year 2024–25, the Faculty of Visual Arts (FoVA) organized numerous student-centric activities, including **workshops, exhibitions, interactive sessions, and orientation programs**. Key highlights include:

- **Wellness and Professional Growth:** Talks on mental wellness, time management, and nurturing personal and professional growth (Sept 2024; 80–150 participants).
- **Workshops & Exhibitions:** 'Naked Raku' (Jan 2025, 60 participants), Repoussé Art (Nov 2024, 50 participants), Stone Artisan Training (Sept 2024, 65 participants), Filmmaking Workshop (58 participants), Photography Exhibitions including OBSCURA and Photoutsav (Dec 2024–Jan 2025, 96–115 participants).
- **Art & Creativity:** Special lectures on Raja Ravi Verma's mythological paintings (Jan 2025, 55 participants), group displays of portraiture and figure drawings ('Figurative Scripting', May 2025, 35 participants each).
- **Orientation & Leadership Programs:** 'Diksharambh' for freshers (Oct 2024, 120 participants), FLY – Find the Leader in You (Nov 2024 & Feb 2025, 35–42 participants), orientation for newly admitted students (40 programs, 120 participants).
- **Cultural & Literary Events:** 'Abhivyakti' exhibition and poetry reading on Hindi Diwas (Sept 2024, 120 participants).
- **National & International Engagements:** 2-day international workshop on Interdisciplinary Sound & Art (Sept–Oct 2024, 50 participants).

Eminent Guest Visits

During the academic year 2024–25, the Faculty hosted several illustrious national and international experts who contributed significantly to its academic and creative environment. Notable visitors included **Prof. Chawky Frenn U** from George Mason University, USA; **Igal Myrterbaum** from Israel; **Hana Martinez** from New York, USA; **Natalie Callahan** from the USA; **Innokinti Ludevig** from Russia; and **Prof. Subroto Mondal** from the University of Rajasthan. Their presence enriched the Faculty's programs, offering students and faculty valuable insights, hands-on experiences, and exposure to international and interdisciplinary perspectives.

2.4.1. CENTRE FOR STUDY OF GENETIC DISORDER

Established in 2006 under the Faculty of Science and initially supported by the Department of Biotechnology (DBT), the Centre for Genetic Disorders is committed to fostering a health-conscious society by mitigating the genetic burden and advancing the management of hereditary diseases. The Centre's mission encompasses estimating the prevalence of genetic disorders within the community, elucidating their molecular mechanisms, and developing innovative diagnostic, therapeutic, and management strategies.

To achieve these objectives, the Centre has launched cutting-edge research programs addressing both genetic and complex disorders, established a state-of-the-art **diagnostic unit** for chromosomal and genetic conditions, and offers specialized academic programs including a **Post Graduate Diploma in Chromosomal & Molecular Diagnostics** and **Ph.D. research opportunities**. In addition, the Centre actively collaborates with multiple departments within the **Institute of Medical Sciences, BHU**, thereby reinforcing its interdisciplinary approach and advancing its vision of impactful research and societal benefit.

During the academic year 2024–25, the **Centre for Genetic Disorders** demonstrated remarkable progress in research, training, and community engagement. The Centre successfully advanced its scientific mission through the publication of numerous high-impact research papers, contributions to book chapters, and presentations at national and international conferences, showcasing its expertise in genetic and complex disorders.

The faculty and researchers at the Centre were actively involved in **innovative diagnostic and therapeutic projects**, translating cutting-edge molecular research into practical solutions for patient care. Collaborative initiatives with leading national and international institutions further strengthened the Centre's interdisciplinary research ecosystem, enabling knowledge exchange and fostering joint projects in genomics, molecular diagnostics, and personalized medicine.

In addition to research, the Centre continued to prioritize **capacity-building and student development**. Through its Post Graduate Diploma and Ph.D. programs, students gained hands-on training in chromosomal and molecular diagnostics, genetic counseling, and advanced laboratory techniques, preparing them to become future leaders in the field.

The Centre also extended its impact beyond academia by organizing outreach programs, awareness campaigns, and workshops aimed at promoting genetic literacy and health consciousness within the community. These efforts underscore the Centre's commitment to bridging the gap between scientific discovery and societal well-being, thereby solidifying its reputation as a leading hub for genetic research, education, and innovation.

2.4.2. DST- CENTRE FOR INTERDISCIPLINARY MATHEMATICAL SCIENCES

Established in 2007, the DST-Centre for Interdisciplinary Mathematical Sciences (CIMS) was conceived to advance frontier research and education in the mathematical sciences. Nestled within the Institute of Science, Banaras Hindu University, CIMS provides an intellectually vibrant environment supported by state-of-the-art infrastructure, including advanced research laboratories, modern classrooms, and dedicated faculty spaces.

The Centre offers a suite of rigorous academic programs, including **Ph.D. in Mathematical Sciences**, **M.Sc. in Statistics and Computing**, **M.Sc. in Computational Science and Applications**, and **M.Sc. in Mathematics and Computing**. These programs are designed to foster **interdisciplinary research**, cultivate analytical rigor, and equip students with advanced computational and problem-solving skills, thereby preparing the next generation of mathematicians and computational scientists to address complex scientific and technological challenges.

During the academic year 2024–25, the DST-Centre for Interdisciplinary Mathematical Sciences (CIMS) showcased remarkable strides in

research, innovation, and academic engagement. The Centre produced a substantial body of scholarly work, including publications in high-impact national and international journals, contributions to book chapters, and presentations at prestigious conferences, underscoring its leadership in advancing mathematical and computational sciences.

CIMS faculty actively pursued **cutting-edge research projects** across interdisciplinary domains, integrating mathematics with statistics, computational science, and real-world applications. Several collaborative initiatives with leading national and international institutions further strengthened its research ecosystem, facilitating knowledge exchange and joint projects in areas such as data analytics, modeling, and algorithm development.

On the academic front, CIMS continued to provide **rigorous training and mentorship** through its Ph.D. and M.Sc. programs, equipping students with advanced computational, analytical, and research skills. The Centre also engaged students in seminars, workshops, and outreach programs, fostering an environment of intellectual curiosity and holistic development.

Through its sustained excellence in research, teaching, and collaboration, CIMS reaffirmed its status as a **premier hub for interdisciplinary mathematical sciences**, contributing significantly to both national and global scientific communities.

2.4.3. CENTRE FOR WOMEN STUDIES AND DEVELOPMENT

Established in 1988, the Centre for Women's Studies and Development (CWSD) at Banaras Hindu University stands as one of the pioneering initiatives by the UGC during the VIIth Five-Year Plan, dedicated to addressing gender disparities in higher education. The Centre has played a transformative role in promoting gender awareness, equality, and women's empowerment through research, teaching, and outreach initiatives. A hallmark project of the Centre, the **Indo-Dutch Project on Rural Sanitation and Health Education**, reached 27 villages and positively impacted the lives of over **9,000 families**, exemplifying CWSD's commitment to community engagement and social transformation. The Centre maintains an extensive network with other Women's Studies Centres and NGOs, fostering collaborative efforts to enhance women's participation in higher administration and decision-making.

Academically, CWSD offers a **one-year Postgraduate Diploma in Gender and Women's Studies** and has organized several **UGC Refresher and Orientation Courses**, equipping teachers, research scholars, and social workers with critical insights into gender issues. Through its multifaceted initiatives, the Centre continues to advance scholarship, advocacy, and social impact in the field of gender studies.

During the academic year 2024–25, the **Centre for Women's Studies and Development (CWSD)** at Banaras Hindu University reaffirmed its pivotal role in promoting gender equity, women's empowerment, and social transformation. The Centre undertook several impactful research and outreach initiatives aimed at fostering awareness, inclusivity, and leadership among women across communities.

CWSD continued its legacy of community engagement through targeted programs addressing **gender issues, rural health, and education**, further strengthening its outreach in villages and urban neighborhoods. Faculty and scholars actively collaborated with **national and international NGOs, governmental agencies, and academic institutions**, facilitating workshops, training sessions, and awareness campaigns that empowered women and highlighted the importance of gender-sensitive policymaking. Academically, the Centre sustained its commitment to excellence through the **one-year Postgraduate Diploma in Gender and Women's Studies**, while organizing **UGC Refresher and Orientation Courses** to enrich teachers, research scholars, and social workers with advanced perspectives on gender-related issues. Several seminars, panel discussions, and awareness campaigns were also conducted, providing platforms for intellectual exchange and advocacy.

Through these multifaceted initiatives, CWSD not only advanced **scholarship and research in gender studies**, but also strengthened its role as a **catalyst for social change**, promoting leadership, inclusivity, and holistic development for women in higher education and beyond.

2.4.4. MALAVIYA CENTRE FOR PEACE RESEARCH

The Malaviya Centre for Peace Research (MCPR**)**, inaugurated in 1998, has earned an international reputation for its interdisciplinary scholarship in peace studies, with a strong focus on political science, international relations, and conflict resolution. Recognized by **UNESCO as the site of the UNESCO Chair for Peace and Intercultural Understanding**, the Centre has established itself as a **premier intellectual hub in North India** for dialogue, research, and training in peacebuilding. Academically, MCPR offers a **two-year M.A. program**, a **one-year Postgraduate Diploma in Conflict Management & Development**, and **Ph.D. programs in Peace Research**, equipping students, administrators, policymakers, NGOs, and professionals with the skills and perspectives necessary for conflict transformation and sustainable development. Through its **rigorous teaching, research collaborations, and outreach activities**, the Centre continues to play a **pivotal role in advancing peace, intercultural understanding, and global cooperation**.

The Malaviya Centre for Peace Research (MCPR) had a highly productive year, reinforcing its position as a leading institution for peace studies and conflict resolution. Faculty and scholars published quality research papers in reputed journals. The Centre completed several extramural projects. During the year, MCPR organized several major academic events, including international conferences on *Peace, Democracy, and Global Cooperation* and *Climate Change and Conflict*. The Centre's recognition grew further with faculty members invited as keynote speakers, panelists, and session chairs.

The Malaviya Centre for Peace Research continues to uphold its stature as one of India's premier institutions for peace and conflict studies, combining academic rigor with practical engagement. Through its internationally recognized programs, impactful research, and extensive collaborations with global universities and organizations, the Centre remains at the forefront of shaping discourse on peace, diplomacy, and conflict resolution. By nurturing the next generation of peacebuilders and fostering dialogue across cultures and communities, MCPR not only contributes to Banaras Hindu University's global reputation but also strengthens India's voice in advancing peace and intercultural understanding on the world stage.

2.4.5. CENTRE FOR INTEGRATED RURAL DEVELOPMENT

The **Centre for Integrated Rural Development (CIRDP)** was established in 1980 in alignment with the Government of India's *National Programme of Integrated Rural Development*, with the vision of fostering holistic and sustainable development in rural India. Conceived as a truly interdisciplinary initiative, the Centre brings together expertise from diverse domains, including IIT-BHU and the Institute of Medical Sciences, to address the complex challenges of rural society.

At its academic core, the Centre offers a **two-year M.A. program in Integrated Rural Development Management**, equipping students with the knowledge and skills to become change-makers in rural transformation. Beyond academics, CIRDP actively engages in outreach initiatives, such as training women in home economics in the villages surrounding the BHU campus—empowering rural communities and strengthening their social and economic resilience.

Beyond its academic mandate, CIRDP has made significant contributions to the empowerment of rural communities through **outreach and capacity-building programs**. Its initiatives include training women in home economics and entrepreneurship in villages around the BHU campus, skill development programs for rural youth, and participatory action research in agriculture, health, and livelihood generation. Over the years, the Centre has successfully implemented several **government- and NGO-funded projects** focusing on women's empowerment, sanitation, sustainable agriculture, and rural healthcare, directly impacting thousands of households in eastern Uttar Pradesh.

In recent years, the Centre has also hosted **national workshops on rural livelihoods, Panchayati Raj, and sustainable development**

practices, while faculty and researchers have contributed to **policy advisory work at both state and national levels**. These achievements underscore CIRDP's dual role as an academic institution and a catalyst of grassroots development, reflecting Banaras Hindu University's enduring commitment to inclusive growth and social responsibility.

2.4.6. CENTRE FOR STUDY OF SOCIAL INCLUSION

The Centre for the Study of Social Inclusion (CSSI) was established in 2008 under the XIth Plan of the University Grants Commission with the vision of advancing scholarship on issues of exclusion, marginalization, and inequality in Indian society. Through its **M.A., M.Phil., and Ph.D. programs**, the Centre fosters an interdisciplinary academic environment that nurtures critical inquiry into the structural, cultural, and institutional dimensions of social exclusion.

The Centre's research and policy advocacy focus on the intersectionality of disadvantages—including caste, class, gender, ethnicity, and disability—while seeking to develop evidence-based strategies for inclusive growth and social justice. Faculty and scholars actively contribute to national debates through publications, research projects, and consultative workshops, thereby equipping policymakers with conceptual and empirical tools to combat multidimensional deprivation.

During 2024-25, the Centre has made significant academic contributions, including the publication of quality research papers and articles on themes of caste, gender, and minority rights. It has successfully completed **several research projects funded by ICSSR and UGC**, addressing issues such as educational marginalization, access to healthcare among disadvantaged groups, and digital exclusion. The Centre regularly organizes **seminars, policy dialogues, and training programs**, engaging scholars, civil society organizations, and policymakers.

Through its research and advocacy, the Centre has emerged as a thought leader in inclusive policy studies, influencing debates on affirmative action, welfare delivery, and participatory governance. Its work continues to strengthen the broader mission of building a more equitable and inclusive society.

2.4.7. MALAVIYA MOOLYA ANUSHEELAN KENDRA

The Malaviya Moolya Anusheelan Kendra, inaugurated in 1991, stands as a beacon of ethics and human values, deeply inspired by the life, vision, and teachings of Mahamana Pandit Madan Mohan Malaviya, the revered founder of Banaras Hindu University. Conceived as a pioneering institution for value-based education, the Centre embodies Mahamana's timeless ideals of truth, integrity, service, and compassion.

Through its interdisciplinary academic programs, seminars, and workshops, the Kendra has consistently worked to integrate ethics and human values into higher education, sensitizing students and scholars to the moral dimensions of knowledge and leadership. Its regular **value-education lectures and training modules** have reached thousands of learners, reinforcing the role of ethical conduct in personal, professional, and civic life. The Centre has also undertaken **research and publication initiatives** on applied ethics, leadership values, and the philosophical underpinnings of Mahamana's vision, contributing to national discourses on education and character-building. Its outreach activities, including **value-awareness programs in schools and community groups**, have extended the impact of Malaviya Ji's ideals beyond the university campus.

Over the years, the Kendra has emerged as a **unique academic and cultural platform** that bridges tradition and modernity, ensuring that Mahamana's legacy continues to inspire future generations in building a more humane, harmonious, and value-driven society.

2.4.8. BHARAT ADHYAYAN KENDRA

The Bharat Adhyayan Kendra, founded in 2015 during the centennial celebrations of BHU, is dedicated to advancing research and scholarship in **Indian Knowledge Systems (IKS)**. The Centre offers innovative academic programs such as a two-year **M.A. in Hindu Studies**, a **UG Diploma**

in Applied Sanskrit, and a **PG Diploma in Computational Linguistics**, positioning itself as a pioneering hub where tradition meets modern academic inquiry.

Over the year, the Kendra has organized national and international conferences, seminars, and lecture series on themes such as Indian philosophy, ancient sciences, civilizational studies, and cultural heritage. It has also published research monographs and edited volumes, contributing significantly to the intellectual discourse on India's epistemic traditions.

The Centre actively promotes interdisciplinary research and collaborations with reputed universities and cultural institutions in India and abroad, facilitating knowledge exchange and global dialogue on Indic thought systems. Its initiatives have helped train a new generation of scholars equipped with both traditional wisdom and contemporary analytical tools.

Through academic programs, outreach, and research, the Bharat Adhyayan Kendra continues to strengthen the role of BHU as a leader in reviving and reinterpreting India's timeless intellectual heritage for the challenges of the modern world.

2.4.9. VEDIC VIGYAN KENDRA

The Vedic Vigyan Kendra, a visionary initiative conceived by the Hon'ble Prime Minister, Shri Narendra Damodardas Modi, was established at Banaras Hindu University with the profound objective of harmonizing **ancient Vedic wisdom with modern scientific advancements**. The foundation stone was laid by the Prime Minister on September 18, 2018, and the Centre was formally inaugurated on February 16, 2020.

The Centre is equipped with **state-of-the-art infrastructure**, including a vast library, seven lecture halls, a seminar room with 200-seat capacity, a 60-seat conference room, a central laboratory, a specialized Vedic chemistry lab, and a modern computer lab. In addition, it houses nearly 30 faculty offices, administrative spaces, publication rooms, and dedicated offices for the Coordinator and Director.

In terms of **academic engagement**, the Centre offers diploma and certificate programs in diverse disciplines of **Vedic Sciences**, enabling students to explore the timeless knowledge of the Vedas while engaging with contemporary scientific thought. The Centre has already hosted national seminars, guest lectures, and training programs on Vedic mathematics, Vedic chemistry, computational linguistics, and philosophy, drawing participation from scholars across India.

The Vedic Vigyan Kendra is also fostering research collaborations with national and international institutions to explore applications of Vedic insights in modern domains such as health sciences, environmental sustainability, and computational models. Its initiatives mark a significant step toward creating a vibrant interface between India's cultural heritage and cutting-edge global research.

2.4.10. INTERCULTURAL STUDY CENTRE

The Intercultural Studies Centre at Banaras Hindu University stands as a premier institution committed to advancing **intercultural dialogue** and nurturing a spirit of **harmonious coexistence** among diverse cultural traditions. With a vision to bridge India's **rich local heritage** with **global cultural narratives**, the Centre combines academic rigor with practical initiatives, fostering an ethos of mutual respect and understanding.

Adopting a **multidisciplinary approach**, the Centre engages in advanced research across **comparative religion, philosophy, literature, art, and cultural anthropology**, while simultaneously exploring the contemporary relevance of India's cultural traditions in a rapidly globalizing world. Its academic portfolio includes **specialized courses, workshops, and student exchange programs**, equipping participants to engage deeply with the complexities of cultural diversity.

The Centre has established itself as a hub for **intellectual exchange** by regularly organizing **national and international conferences,**

seminars, and symposia that address pressing intercultural challenges and opportunities. These platforms not only enrich global discourse but also amplify India's voice in shaping conversations on cultural coexistence.

A hallmark of the Centre is its **collaborative ethos**. It partners with prestigious **national and international institutions**, enabling joint research and faculty exchange, and its publications—ranging from research papers to edited volumes—make significant contributions to the evolving discipline of intercultural studies. In addition, the Centre has actively engaged in **community outreach initiatives** in Varanasi and beyond, fostering awareness of cultural pluralism at the grassroots level.

Through these initiatives, the Intercultural Studies Centre has become a vibrant academic and cultural bridge, reaffirming BHU's role as a **custodian of heritage and a catalyst for global dialogue**.



2.5. RAJIV GANDHI SOUTH CAMPUS

The Rajiv Gandhi South Campus (RGSC), located in Barkachha, nearly 8 km southwest of Mirzapur, is one of the most significant extensions of Banaras Hindu University. Spread across an expansive **1,104 hectares of land**, generously entrusted to BHU by the Bharat Mandal Trust in April 1979, the campus embodies **Mahamana Pandit Madan Mohan Malaviya's enduring vision** of an India that grows stronger through education, rural upliftment, and self-reliance. It stands today not merely as an academic institution but as a **living bridge between tradition and modernity, agriculture and technology, local needs and national aspirations**.

The South Campus is deeply committed to nurturing the **holistic growth of its students**. Beyond academic rigour, it creates a dynamic environment where intellectual curiosity, cultural engagement, physical well-being, and social consciousness are harmoniously integrated. The faculty, drawn from diverse disciplines, is dedicated to imparting not only **knowledge and skills**, but also the **values and vision necessary for responsible citizenship**. In doing so, the campus contributes significantly to the **upliftment of the Vindhya region**, empowering the rural communities that surround it with both education and opportunity.

In its infrastructure, RGSC mirrors the progress of a modern university campus. It offers **wireless connectivity, smart classrooms, and sophisticated research laboratories**, transforming learning into an experience of both discovery and innovation. The **establishment of the Faculty of Veterinary and Animal Sciences in 2013** marked a turning point in its journey, positioning the campus as a **centre of excellence for veterinary education and research** in India. This development brought not only cutting-edge infrastructure but also a renewed academic vibrancy to the region.

Academic programs at the South Campus are varied and comprehensive, spanning **undergraduate, postgraduate, vocational, diploma, and certificate courses**. The campus houses a modern lecture theatre complex with an auditorium and technologically equipped classrooms, complemented by centralized laboratories that serve students, teachers, and researchers alike. Dedicated computer laboratories support the specialized needs of **MCA and MBA Agribusiness students**, while facilities such as a **well-equipped Ayurvedic pharmacy laboratory** serve students of M. Pharm. (Ay.). Research at the campus is enriched by advanced instruments, including **Fourier Transform Infrared Spectrophotometers, Atomic Absorption Spectrophotometers,**

Rotary Evaporators, and other high-end equipment that ensure exposure to global standards of scientific inquiry. The sciences of agriculture, too, are nurtured through modern laboratories for B.Sc. (Ag) and M.Sc. (Ag) programs, preparing students to meet the challenges of India's most vital sector.

The vision of the South Campus, however, extends far beyond classrooms and laboratories. The **Agriculture Farm Unit** is a shining testament to its role as a catalyst of rural transformation. This unit produces and distributes **high-quality seeds** to farmers in Mirzapur and the neighbouring districts, thereby improving local agricultural productivity. In the **2024-25 seasons**, crops such as **paddy, moong, and sesame** were cultivated during Kharif, while **wheat, barley, mustard, lentil, pea, and gram** enriched the Rabi season. By providing quality seeds, the campus is helping farmers enhance yields, strengthen food security, and secure sustainable livelihoods. It is through such initiatives that RGSC seamlessly integrates its academic mission with the **larger responsibility of rural upliftment**.

Life at the campus is further enriched by its **cultural and recreational amenities**. A modern library, sports facilities including basketball and tennis courts, upgraded gymnasiums, and communal spaces like the canteen and student shops contribute to a vibrant atmosphere. These facilities ensure that the students' growth is not limited to intellectual pursuits but extends to the **cultural, physical, and social dimensions** of life.

Through its blend of **academic excellence, cutting-edge research, community outreach, and region-specific development initiatives**, the Rajiv Gandhi South Campus has emerged as a **symbol of BHU's enduring legacy**. It reflects the University's **commitment to the ideals of Mahamana**, while responding to the evolving aspirations of contemporary India. In its quiet but determined way, the South Campus continues to light the path of knowledge, empowerment, and transformation—for the Vindhya region, and for the nation at large.

3. SCHOOLS

CENTRAL HINDU BOYS SCHOOL

CENTRAL HINDU GIRLS SCHOOL

SHRI RANVIR SANSKRIT VIDYALAYA



3.1. CENTRAL HINDU BOYS SCHOOL

On **July 7, 1898**, Dr. **Annie Besant**, the eminent Irish theosophist, educationist, and social reformer, laid the foundation of what was then called the **Collegiate School**, later known as the **Central Hindu Boys' School**. Beginning humbly in a rented building, the school soon found a permanent home when, in March 1899, it was relocated to a sprawling campus at Kamachha, generously donated by the Maharaja of Kashi. From its very inception, the school was destined to become more than an institution of learning—it was envisioned as a crucible for intellectual awakening and social reform in India.

The school's history is deeply intertwined with the Indian independence movement and the national cultural renaissance. On March 30, 1914, it was entrusted to Mahamana Pandit Madan Mohan Malaviya Ji, who saw in it the seed of a much larger dream. Malaviya Ji integrated the school into the emerging vision of the Banaras Hindu University (BHU), ensuring that it would remain an integral part of the University's growth and mission. In fact, between 1916 and 1921, before the majestic BHU campus at Varanasi took shape, the undergraduate and postgraduate classes of the University were held within the premises of the school—an eloquent testimony to its central role in the making of BHU.

Today, the **Central Hindu Boys' School** continues to flourish under the administrative umbrella of BHU, while maintaining academic affiliation with the **Central Board of Secondary Education (CBSE)**. Admissions to classes VI, IX, and XI are secured through the **School Entrance Test (SET)**, a competitive and much sought-after examination conducted annually by the University. The school offers comprehensive education in **Science, Arts, and Commerce streams**, remaining faithful to its founding vision of nurturing well-rounded and enlightened individuals.

During the academic session **2024-25**, the school had **1,697 students**, all boys, guided by a dedicated faculty of **67 teachers** (including 24 TGTs and 43 PGTs). The school combines academic excellence with character-building, drawing upon a rich legacy of discipline, service, and intellectual inquiry.

Its infrastructure and facilities reflect a balance of modernity and tradition. **Well-furnished laboratories** for Physics, Chemistry, Biology, Psychology, Agriculture, Computer Science, Geography, and Mathematics provide students with opportunities for experiential learning at both the secondary and senior secondary levels. A **vast playground**, fully equipped for outdoor games and athletics, nurtures a spirit of sportsmanship and physical well-being. The renowned **Telang Library**, with its treasure trove of **around 40,000 books**, along with regular

subscriptions to newspapers and magazines, stands as a vibrant centre of knowledge and inquiry.

Residential facilities are also a hallmark of the school. An **on-campus hostel** accommodates around 100 students, particularly those from distant regions, with admissions granted on merit. To ensure the well-being of students and staff alike, a **Health Centre**, managed by the University, provides essential medical services, while **canteen and parking facilities** cater to daily needs.

The school takes pride in supporting the aspirations of students from varied socio-economic backgrounds. Initiatives such as the **Vidyarthi Sahayak Sabha (VSS)** and the **Student Welfare Fund** extend financial assistance, books, and uniforms to deserving and underprivileged students, ensuring that economic hardship never becomes a barrier to learning.

Equally inspiring is the school's emphasis on discipline and patriotism. With **four active NCC (National Cadet Corps) branches**—two junior divisions of Army NCC, one senior division of Army NCC, and a Junior Wing of Air NCC—the students are instilled with values of integrity, leadership, and service to the nation. These activities reflect the school's mission to produce not just scholars but also **responsible citizens committed to nation-building**.

From its illustrious founding by Annie Besant to its integration into the grand vision of Mahamana Malaviya Ji, the Central Hindu Boys' School remains a **beacon of India's educational and cultural renaissance**. Rooted in tradition yet embracing modernity, it continues to shape young minds with knowledge, discipline, and a deep sense of social responsibility—upholding its legacy as one of the finest schools in the country.



3.2. CENTRAL HINDU GIRLS SCHOOL

The **Central Hindu Girls' School** stands as one of the pioneering institutions of women's education in India, carrying forward the enlightened vision of **Dr. Annie Besant** and **Mahamana Pandit Madan Mohan Malaviya Ji**. Established in the early decades of the 20th century at **Kamachha, Varanasi**, the school was conceived as a counterpart to the Central Hindu Boys' School, with the purpose of imparting quality education to young women at a time when female education was still in its nascent stage in India.

Dr. Annie Besant, a tireless champion of social reform, believed that the empowerment of women through education was central to the progress of Indian society. Her vision was carried forward by Malaviya Ji, who integrated the Girls' School into the framework of the **Banaras Hindu University (BHU)**, ensuring that the ideals of inclusivity and equal access to knowledge became embedded in the very foundations of the University. Thus, the school is not merely an educational institution but a **symbol of India's awakening to the importance of women's education**.

Today, the Central Hindu Girls' School functions under the administrative control of BHU, and like its counterpart for boys, it is affiliated with the **Central Board of Secondary Education (CBSE)**. Admissions to Classes VI, IX, and XI are made through the **School Entrance Test (SET)**, conducted annually by the University. The school provides education across the **Science, Arts, and Commerce streams**, offering young women a holistic platform to develop their academic, creative, and social potential.

During the academic session 2024-25, the school had an enrolment of **1784 students** guided by a team of **71 dedicated teachers** (26 TGTs and 45 PGTs). True to its mission, the school combines rigorous academics with an emphasis on discipline, moral values, and co-curricular activities, preparing students not only for higher education but also for the responsibilities of life beyond the classroom.

The school's facilities mirror its commitment to comprehensive education. **Well-equipped laboratories** in Physics, Chemistry, Biology, Psychology, Computer Science, and Geography allow students to engage with scientific inquiry and hands-on learning. A **spacious playground** fosters physical fitness and team spirit, while the school library, enriched with a wide range of books, journals, and magazines, nurtures intellectual curiosity and a love for reading.

In keeping with BHU's ethos of inclusivity, the school ensures that financial limitations do not

hinder the pursuit of education. Various welfare initiatives extend support in the form of scholarships, books, and other essentials to meritorious and underprivileged students. At the same time, participation in **cultural programs, debates, and national-level competitions** provides students with opportunities to develop leadership qualities and confidence.

A defining feature of the school is its vibrant **NCC (National Cadet Corps)** program, which instills discipline, patriotism, and leadership among its students. Through such initiatives, the school not only nurtures academic excellence but also molds young women into **responsible citizens committed to the service of the nation**.

From its pioneering role in advancing women's education in India to its present stature as a leading school under BHU, the **Central Hindu Girls' School** continues to embody the ideals of **knowledge, empowerment, and social progress**. It stands as a living testament to the transformative vision of Annie Besant and Mahamana Malaviya Ji, shaping generations of young women into torchbearers of India's cultural and intellectual heritage.



3.3. SHRI RANVIR SANSKRIT VIDYALAYA

Founded in 1883 by the *Sardar-e-Riyasat* of Jammu with the noble vision of preserving and promoting the treasures of ancient Indian wisdom, **Shri Ranvir Sanskrit Vidyalaya** holds a distinctive place in the educational history of Varanasi and Banaras Hindu University. Originally known as the **Jammu Sanskrit Pathshala**, the institution first functioned from the Jammu Kashmir House on Dashashwamedh Road before being entrusted to the **Central Hindu Collegiate Society** under the leadership of **Dr. Annie Besant**. Its subsequent relocation to the historic palace of the **Kashi Naresh at Kamachha**, and its renaming as Shri Ranvir Sanskrit Vidyalaya in memory of **Maharaja Pratap Singh's father**, marked the beginning of a new and enduring chapter in its journey.

With the merger of the Central Hindu Collegiate Society into **BHU**, the Vidyalaya became an integral part of the University and its reputation flourished further. Some of the most **renowned Sanskrit scholars of the age**, including **Pt. Amba Das Shastri** and **Pt. Anant Ram Shastri**—who were mentors to **Mahamana Pandit Madan Mohan Malaviya Ji**—once served as chairmen of this illustrious institution. In its formative decades, the school offered a wide spectrum of instruction, ranging from **Praveshika (Class VIII)** to **Acharya (M.A.)**, and its certificates bore the signatures of these venerable figures, symbolizing the depth of its academic authority.

The establishment of the **Faculty of Oriental Learning** (later renamed *Sanskrit Vidya Dharma Vigyan Sankay*) at BHU brought significant restructuring. The higher classes, including Madhyama and beyond, were transferred to the new faculty, while the Vidyalaya continued with the **Praveshika-level courses** until 1968. A new chapter began in 1978 when the Vidyalaya reintroduced advanced instruction in **Sahitya, Veda, Vyakaran, Jyotish, and Darshan** under the Madhyama curriculum, thereby reasserting its role as a custodian of India's intellectual heritage.

In the academic session **2024-25**, the Vidyalaya nurtured **718 students** (643 boys and 75 girls), guided by a dedicated team of **23 teachers** (7 PRTs, 10 TGTs, and 6 PGTs). Its curriculum exemplifies a **harmonious blending of tradition and modernity**. At the **primary level (Classes I–V)**, education follows the **CBSE syllabus**, while the **Prathama (VI–VIII)**, **Praveshika (IX–X)**, and **Madhyama (XI–XII)** curricula are uniquely designed by the Faculty of SVDV. Students thus engage with **timeless subjects** such as Veda, Jyotish, Vyakaran, Darshan, and Sahitya, while also studying **modern disciplines** including Hindi, English, Mathematics, Science, and Social Science.

Through this **integrated approach**, Shri Ranvir Sanskrit Vidyalaya not only preserves the sanctity

of Sanskrit learning but also prepares its students to meet the challenges of the contemporary world. It remains a **living testimony** to the vision of its founders and to BHU's mission of harmonizing **ancient wisdom with modern knowledge systems**, producing generations of scholars who carry forward the luminous heritage of Indian civilization.

4. CENTRAL FACILITIES

CENTRAL LIBRARY

MALAVIYA MISSION TEACHER TRAINING CENTRE

CENTRAL DISCOVERY CENTRE

ATAL INCUBATION CENTRE

SAATHI CENTRE

USIC LEVEL – II



4.1. CENTRAL LIBRARY

The Banaras Hindu University Library, among the largest and most distinguished academic libraries of India, carries within its walls not just books, but the living spirit of scholarship that has animated the University since its founding. Its genesis can be traced to a precious bequest—an invaluable collection of works donated by Prof. P.K. Telang in memory of his father, Justice Kashinath Trimbak Telang—which first found a home in the Telang Hall of the Central Hindu College, Kamachha. From these modest yet noble beginnings, under the pioneering guidance of Sir Jadunath Sarkar, and later enriched by the vision of luminaries such as Dr. S.R. Ranganathan, Dr. J.S. Sharma, and Prof. P.N. Kaula, the library evolved into the magnificent Sayaji Rao Gaekwad Central Library that today forms the heart of BHU's intellectual life.

Collections

The Banaras Hindu University Library system stands as one of the most comprehensive academic library networks in the country, with the Central Library at its nucleus. Extending its intellectual reach, the system encompasses five Institute Libraries—dedicated respectively to Agricultural Sciences, Medical Sciences, Management Studies, Sciences, and the Institute of Environment & Sustainable Development—alongside six Faculty Libraries and 42 Departmental Libraries, most of them situated within the Institute of Science and the Faculty of Arts. In addition, a vibrant library facility enriches the Rajiv Gandhi South Campus at Barkachha, Mirzapur. Together, this integrated network forms one of the largest and most influential university library systems in India.

The holdings of this library system are remarkable in scale and depth. Housing over 1.6 million volumes, the collections span disciplines across the humanities, sciences, and professional domains, ensuring that every sphere of academic pursuit finds strong support. In the fiscal year 2024-25 alone, the Central Library expanded its intellectual treasure trove with 12,591 newly acquired volumes, further complemented by a digital repository of 80,027 e-books accessible across the university. Its periodical collection adds to this scholarly richness, comprising subscriptions to 34 foreign and 92 Indian academic journals in print, along with a significant number of gratis journals that broaden the spectrum of accessible knowledge.

Beyond these extensive holdings, the library is also the guardian of an invaluable heritage. It preserves a collection of 7,227 manuscripts, rare books, doctoral dissertations, founder collections, and local history archives—resources that not only serve contemporary research but also

embody the living memory of knowledge traditions and the intellectual evolution of India.

The library's reach extends into the sphere of governance and global policy studies as well. It procures numerous publications from Union and State Governments and their agencies, enriching its repository with authoritative sources in the social sciences, law, commerce, and agriculture. These acquisitions—through both purchase and gratis contributions—make the library an indispensable resource for researchers exploring public policy and applied social research.

Perhaps most distinctively, the BHU Central Library holds the rare distinction of being a depository for publications from the United Nations and its affiliated bodies. Even after the conclusion of the UN's free depository scheme in 1973, BHU has continued to acquire these publications through subscription and selective purchase, thereby maintaining one of the most extensive collections of UN documents in India. This feature places the library in a unique position, not only as a custodian of national intellectual wealth but also as a participant in global discourses on development, peace, and human rights.

Library Hours (Central Library)

The Central Library of BHU distinguishes itself not only by the richness of its collections but also by its remarkable accessibility. It operates 359 days a year, closing only on six occasions of national and institutional significance—Republic Day, Vasant Panchami (celebrated as the University's Foundation Day), Holi, Independence Day, Dussehra, and Diwali. On all other days, its doors remain open to the academic community, embodying the University's commitment to uninterrupted scholarly engagement.

Regular operating hours extend from 9:00 a.m. to 9:00 p.m. on weekdays, while on Sundays and holidays, the library continues to welcome readers from 10:00 a.m. until 9:00 p.m. Complementing this, the Cyber Library Study Centre—dedicated exclusively to digital and electronic resources—offers even greater flexibility. Open from 8:00 a.m. until 5:00 a.m. on weekdays, and from 8:00 a.m. until 11:00 p.m. on weekends and holidays, it provides an almost round-the-clock space for students and researchers to access e-books, journals, and databases, thereby harmonizing traditional scholarship with the demands of the digital age.

Photocopying Facility

The Central Library also extends essential support services that complement its academic resources. Among these, photocopying remains one of the most sought-after facilities. To meet this demand, the library is equipped with three high-capacity machines, serving not only the BHU academic community but also external scholars and even other institutional libraries. During the academic year 2024–25 alone, a total of 52,093 photocopies were provided, underscoring the indispensable role of this service in facilitating access to study materials and rare resources while safeguarding the preservation of originals.

Section for Visually Impaired

The Central Library is equally committed to fostering inclusivity by extending specialized services for visually impaired students. To ensure equitable access to academic resources, the library provides audio and digital copies of essential course materials, enabling students to pursue their studies with greater independence. During the academic year 2024–25, a total of 1,049 visually impaired students from BHU benefited from these initiatives. In addition, the University's subscription to **Sugamya Pustakalaya**, a nationally recognized accessible online library, has significantly broadened the availability of reading materials in user-friendly formats, reinforcing BHU's vision of inclusive and barrier-free education.

Online Journals, Books and Databases

The Sayaji Rao Gaekwad Library, as part of Banaras Hindu University, is a proud member of **E-ShodhSindhu**, the national consortium for higher education electronic resources managed by the INFLIBNET Centre. Through this affiliation, BHU enjoys access to an impressive array of approximately 13,137 full-text online journals and bibliographic databases under the **One Nation One Subscription Scheme** of the Government of India. These resources encompass prestigious publishers such as the *American Institute of Physics, American Physical Society, Annual Reviews, Springer Link, Taylor & Francis*, among many others, thereby enriching the research environment across disciplines.

Beyond the consortium, the University also maintains subscriptions to globally acclaimed digital libraries and academic databases including **JSTOR, Project Muse, MathSciNet, Scopus, and Web of Science**, offering scholars and students access to cutting-edge research and archival collections. Complementing its journal and database holdings, the Library provides access to **80,027 e-books** from leading international publishers, available both on-campus and remotely, ensuring seamless connectivity to knowledge resources and supporting BHU's vision of fostering a world-class academic ecosystem.

Document Delivery Service

As part of the **INFLIBNET Programme**, the Banaras Hindu University Library has been designated as a **Document Delivery Centre**, a distinction shared with only five other libraries across India. This recognition underscores the library's pivotal role in fostering academic collaboration and knowledge dissemination at the national level. Through this initiative, the library facilitates the electronic delivery of documents, enabling researchers and scholars from other institutions to gain swift and reliable access to its vast resources.

The Document Delivery Service not only strengthens resource sharing among academic institutions but also ensures the cost-effective management of scholarly materials, thereby reducing duplication of acquisitions and optimizing the use of collective resources. In this way, the BHU Library continues to extend its impact far beyond the University, serving as a hub of academic exchange and a model of collaborative learning in the digital era.

Digitization of Rare Documents and Theses

In its ongoing commitment to preserving the nation's scholarly heritage, the BHU Library has undertaken an ambitious digitization project aimed at safeguarding and disseminating rare and fragile resources. During the academic year **2024-25**, approximately **2,886 folios of rare manuscripts and materials** were digitized, ensuring both their long-term preservation and enhanced accessibility. By making these invaluable resources available in digital form, the library not only protects them from the risks of physical deterioration but also **opens them to the global academic community**, fostering research and dialogue that transcend geographical boundaries.

Shodhganga Theses Repository

The Central Library also plays an active role in the **ShodhGanga initiative**, the national repository of Indian doctoral dissertations maintained by the INFLIBNET Centre. Through this platform, the library ensures that the rich body of research generated at Banaras Hindu University is made accessible to scholars across the world. During the academic year **2024-25**, approximately **1,700 doctoral theses** from BHU were uploaded to ShodhGanga, significantly expanding the reach of the University's intellectual contributions and reinforcing its role as a hub of advanced research and knowledge dissemination.

Census Data Centre

The Census Data Centre at the Central Library serves as a vital resource for social science research, housing comprehensive demographic data from various census surveys conducted by the Government of India. This specialized facility provides scholars and faculty members with access to rich datasets essential for demographic studies, policy research, and socio-economic analysis. To further enhance research capabilities, the Centre is equipped with **SPSS software**, enabling advanced statistical analysis and data interpretation. Together, these resources empower the academic community of BHU to engage in evidence-based research with far-reaching social relevance.

Research Information Section

Since 2017, the Central Library has housed a specialized **Research Information Section**, dedicated to supporting the academic pursuits of faculty members and research scholars. This section plays a crucial role in guiding researchers toward relevant and timely academic resources, thereby strengthening the university's research ecosystem. One of its key initiatives is the provision of **Selective Dissemination of Information (SDI) services**, through which carefully curated scholarly materials are shared directly with researchers via email. By tailoring resources to individual research needs, the section ensures that BHU's scholars remain abreast of the latest developments in their

respective fields, enhancing both the quality and impact of their research.

Institutional Repository of BHU (BHUIR)

The **Central Library** also maintains the **BHU Institutional Repository (BHUIR)**, a digital archive designed to preserve and showcase the intellectual output of the university. By providing open and sustained access to scholarly works—including theses, dissertations, research papers, and other academic contributions—the repository serves as a vital platform for knowledge dissemination. Its online accessibility ensures that BHU's rich body of research transcends geographical boundaries, allowing the global academic community to engage with, cite, and build upon the university's scholarly achievements.

Cyber Library Study Centre

The **Cyber Library Study Centre**, inaugurated on 3rd March 2013 by **Dr. Karan Singh**, Hon'ble Chancellor of Banaras Hindu University, has emerged as a pioneering space redefining the academic landscape of the university. Operating in a fully air-conditioned environment, it houses **402 individual computer workstations**, each set within separate cubicles to ensure a focused and distraction-free study atmosphere.

As one of the most vibrant hubs of academic engagement on campus, the Cyber Library offers extended operational hours—**from 8:00 a.m. to 5:00 a.m. on weekdays and until 11:00 p.m. on weekends and holidays**—providing students with unparalleled access to digital and electronic resources. Its popularity is reflected in the impressive usage statistics: in a single year, the facility recorded **4,22,355 user visits**, testifying to its indispensable role in supporting study, research, and knowledge acquisition.

Beyond being a study centre, the Cyber Library represents a transformative shift in how students and scholars at BHU engage with information—bridging the traditional ethos of academic pursuit with the dynamic demands of the digital age.

Remote Access Service for E-Resources

The Central Library extends its reach far beyond the physical campus through its provision of **remote access to electronic resources**. Leveraging the **e-ShodhSindhu consortium** and subscriptions from leading academic publishers, the library ensures that scholarly content remains accessible to the university community regardless of geographical location. Remote access is facilitated via **Shibboleth authentication** under the **INFED service of INFLIBNET**, a system that guarantees secure and seamless connectivity to digital resources.

At present, this service is available to **faculty members and research scholars of BHU**, empowering them to engage with the library's vast collection of journals, e-books, and databases from anywhere in the world. For availing these services, users are guided to the dedicated portal at **idp.bhu.edu.in**, which serves as the gateway to BHU's extensive digital scholarly ecosystem. This initiative not only strengthens the culture of research but also aligns the library with global practices of digital academic support.

Plagiarism Checking Service

The Banaras Hindu University Library also plays a pivotal role in upholding the highest standards of academic integrity. Functioning as the nodal centre for plagiarism detection, the library examines all newly submitted Ph.D. theses, dissertations, and research papers to ensure the originality of scholarly contributions. Equipped with advanced anti-plagiarism software, namely **DrillBit** and **iThenticate**, the system offers a rigorous verification process that aligns with global benchmarks of academic honesty.

Upon successful completion of the originality check, the library issues certificates of verification to research scholars and faculty members. These certificates not only attest to the authenticity of the work but also reinforce the university's commitment to fostering a culture of ethical research and intellectual rigor. In this way, the library safeguards the reputation of BHU's scholarship and ensures its continued standing in the global academic community.

Library Services for Retired Faculty Members

In keeping with its commitment to fostering lifelong learning, the Central Library extends its services to retired faculty members, ensuring their continued engagement with the university's

vast intellectual resources. A consultation facility is available upon payment of a refundable **caution deposit of ₹2000**, which entitles retired faculty to borrow up to four items for external reading. This initiative exemplifies the university's enduring dedication to nurturing the scholarly pursuits of its esteemed faculty members, even beyond the span of their active service, thereby reinforcing BHU's ethos of lifelong academic engagement.

LIBRARY STATISTICS

1. Books and Periodicals

A.	Total number of Printed books/Theses/Bound Periodicals at the beginning of the year 2024-25	11,60,991
B.	Total number of Printed books/Theses/Bound Periodicals accessioned during the year 2024-25	7,832
C.	Total number of Printed books/Theses/Bound Periodicals at the end of the year 2024-25 (up to 31st March, 2025)	11,68,823
D.	Total number of periodicals (Bound volumes) at the end of year 2024-25	1,38,154
E.	Number of volumes bound	1,259
F.	Number of accessioned bound periodicals	158
G.	Status of current periodicals (1st January to 31st December 2023)	
	(a) Subscribed (Hard Copy)	126 (34 Foreign + 92 Indian)
	(b) Subscribed Online Journals	1141
	(c) Free (regular)	08

2. Technical (English)

A.	Number of books processed	2783
B.	Number of bound volumes of periodicals processed	256
C.	Number of theses processed	1593
D.	No. of re-bound books processed	145
E.	Number of Dept. books processed	1623

3. Technical (Hindi)

A.	Number of books processed	591
B.	Number of bound volumes of periodicals processed	-
C.	Number of theses processed	75
D.	No. of re-bound books processed	93
E.	Number of Dept. books processed	91

4. Services

A. Working hours

A.	Weekdays	9.00 a.m. to 9.00 p.m.
B.	Sundays and holidays	10.00 a.m. to 9.00 p.m.
C.	Number of day's library opened	359

B. Circulation Section

(1) Membership

A.	Students (as on 31-03-2025)	19475
B.	Teaching faculty/ Staff	168
C.	Retired faculty members	09

(2) Circulation of books (Issue)

A.	Students(up to 31-03-2025)	30669
B.	Teaching faculty/Staff	2688
C.	Departmental Libraries	682

C. Reference Section

(1) Readers Consultation Service

A.	Reference books consultation service:	Yes
B.	OPAC Service	Yes

(2) Registration of Outside Scholars for Consultation

A.	Number of outside users	439
B.	Total Registration fees received	₹ 93,900/-

D. Text Book Section

Number of volumes consulted	20,909
Number of textbooks added	38

E. U.N. & Government Publications Section

A.	Number of readers served	89
B.	Number of documents consulted	286
C.	Number of documents added (including mimeographed)	26

F. Manuscripts Section

A.	Number of Manuscript user	543
B.	Number of readers served	941
C.	Number of documents consulted	984
D.	Number of folios digitized	9,946
E.	Number of Rare Documents digitized/scanned	-
F.	Number of digital data provided in folios	2886

G. Theses Section

A.	Number of readers served	2,497
B.	Number of thesis consulted	3,747

H. Reprographic Unit

A.	Number of pages photocopied (For users)	25,375
B.	Official photocopy	26,718

I. Computer Section

A.	Number of Users Served regarding help in use of electronic library services	Regular Duty
B.	Anti Plagiarism Check	2,250 documents
C.	Solving computer and IT related problems of all sections of library	260
D.	New INFEED user registration for off-campus access of e-resources	425
E.	iThentiicate user registration	275
F.	Installation of newly purchased End Note 21 Reference Management Software on computers	150
G.	Number of CCTV footage provided in cases	79

J. Section for Visually Impaired

A.	Number of Users Served	1049
B.	Number of books recorded (Audio)	33
C.	Database provided to Visually Impaired students	211.55 GB
D.	Size of audio database	12.07 GB
E.	Printout service (Braille Printout)	7509 Sheets

K. Census Data Centre

Number of Users Served	22

L. Book Stack Section

A.	Number of Users Served	4,02,000 (Approx)
B.	Replacement of Books	4,74,200 (Approx)
C.	Binding list prepared	700 Books

5. Finance: (1st April, 2024 to 31st March, 2025)

A. Expenditure

A.	Books and Periodicals (Maintenance Grant, and Merged Grant)	₹ 20,35,00,000.00
B.	Binding:	₹ 1,15,240.00
C.	Expenditure other than books and journals	₹ 1,22,58,769.00

B. Receipt

A.	Overdue:	₹ 3,08,857.00
B.	Replacement cost of lost books	₹ 58,513.00
C.	Loss of Token	₹ 1,450.00
D.	Reprography	₹ 12,060.00
E.	Internet services (Print outs)	NIL
F.	Library Consultation Fees	₹ 94,200.00
G.	Others Deposits	₹ 2,01,560.00

6. Cyber Library Study Centre: (1st April 2024 to 31st March 2025)

A.	Number of Users Served		4,22,335
B.	Timing	(a) Week days	08:00 a.m. to 05:00 a.m.
		(b) Sunday & Holidays	08:00 a.m. to 11:00 p.m.

7. Periodical Stack

A.	Number of Users Served	1129

8. Binding Section

A.	Number of Books Bind	500
B.	Number of Journals Bind	705
C.	Number of News Paper & Others items Bind	54 sets

9. News Paper Section

A.	Number of News Paper procured		
	(a)	English	06
	(b)	Hindi	08
	(c)	Light magazine	27
	(d)	Number of Users Served	10,763

4.2. MALAVIYA MISSION TEACHER TRAINING CENTRE

As part of the **National Policy on Education (NPE) 1986**, the University Grants Commission (UGC) sanctioned the establishment of an **Academic Staff College** at Banaras Hindu University (BHU), which came into being in 1987. Over the years, the Centre evolved in scope and vision, being rebranded as the **UGC-Human Resource Development Centre (UGC-HRDC)** in May 2015. Today, it continues to serve the academic community under the name **Malaviya Mission Teacher Training Centre (UGC-MMTTC)**.

The primary mandate of the Centre is to design and implement orientation programmes for newly appointed teachers and academic administrators of the University. Equally important are its subject-specific and multidisciplinary refresher courses, carefully curated to enhance pedagogical practices and to keep faculty members abreast of emerging trends in higher education. In addition, the Centre organizes workshops, short-term courses, and training programmes for academic administrators, while also facilitating seminars and symposia that stimulate intellectual exchange and contribute to the enrichment of academic culture.

Over the years, the UGC-MMTTC at BHU has hosted a diverse spectrum of professional development activities, ranging from Orientation Courses and Faculty Induction Programmes to Refresher Courses across a wide range of disciplines. These include Hindi, English, Sanskrit, Library and Information Science, Economics, Performing Arts, Liberal Arts, Political Science, Women's Studies, Journalism, Tibetan Studies, and Philosophy and Religion**.** Specialized courses are also offered in cutting-edge and traditional domains such as Physics, Chemistry, Botany, Zoology, Geology, Geography, Sociology, Mathematics, Law, Commerce, Earth Sciences, Education, ICT, Comparative Literature, Engineering, Business Studies, Environmental Science, Agriculture, Ayurveda, and Medical Sciences.

Achievements and Impact

Since its inception, the Centre has emerged as one of the most vibrant teacher training hubs in the country, training thousands of university and college teachers from across India. By nurturing educators with innovative pedagogical tools, exposure to interdisciplinary methods, and a deepened understanding of values and ethics, the Centre has helped shape the academic landscape of higher education.

Its **flagship Orientation and Refresher Programmes** have been widely recognized for their rigor, inclusivity, and alignment with contemporary educational priorities**.** The Centre has also been quick to respond to national initiatives such as the **National Education Policy (NEP) 2020**, introducing courses that emphasize digital pedagogy, outcome-based education, interdisciplinary approaches, and research ethics.

Beyond training, the Centre has built a legacy of fostering academic leadership—many of its participants have gone on to assume significant roles as department heads, deans, vice-chancellors, and policy leaders in higher education. Its contribution extends beyond the classroom, reinforcing BHU's long-standing tradition of nation-building through education.

Summary of Faculty Training Programs

Sl.	Name of the Program	Number of Programs	No. of Participants
1.	Faculty Induction Programme	4	122
2.	Subject Specific Refresher Course	3	168
3.	Multidisciplinary Refresher Course	5	190
4.	Short Term Courses for Research Scholars and Non-Teaching Staff	2	111
5.	NEP-2020 Orientation and Sensitization Programme	6	708
	Total	**20**	**1299**

4.3. STAFF DEVELOPMENT CELL

Recognizing the imperative of developing both technical and soft skills among ministerial staff to achieve superior administrative outcomes aligned with the values, capabilities, and aspirations of the University's stakeholders, emphasis has been placed on the systematic capacity building of personnel. Responding to this need, a **Staff Development Cell** was established in the December 2023 as an independent entity, free from any legacy departmental framework, with its activities coordinated by a Professor-level resource person.

The Cell is entrusted with the structured and strategic upgradation of staff knowledge and competencies, with a clear focus on:

- Leveraging technology and digital tools,
- Enhancing functional, professional, and interpersonal skills,
- Up-skilling clerical and ministerial staff, and
- Fostering efficiency, motivation, and accountability across the workforce.

During the year 2024-25, the Cell successfully conducted training programmes over **26** days, which were met with enthusiastic participation. The initiatives addressed critical areas such as ERP modules, Effective Communication, Team Building, and Interpersonal Skills. In total, **777 staff members** were trained, including **165 Section Officers, 173 Senior Assistants, 144 Clerks and 295 other staff**. The programmes were highly appreciated by participants, with feedback underscoring their practical relevance, professional value, and motivational impact.

Encouraged by this response, the Cell has committed to conducting programmes on a quarterly basis, with schedules reviewed and refined regularly to incorporate participant feedback and emerging institutional needs. Looking ahead, the Cell has charted a forward-looking roadmap for sustained capacity building, aiming to embed a culture of continuous learning, enhanced professionalism, and operational excellence within the University's administrative framework.

Achievements & Impact

- Established as an **independent entity**, making BHU one of the few universities in India to initiate a **dedicated Staff Development Cell**.
- Helped inculcate a **digital-first approach** through ERP and ICT-based training.
- Actively contributed to building an **efficient, motivated, and future-ready workforce**, thereby **enhancing administrative performance** across the University.
- Poised to serve as a **model initiative for other higher educational institutions** seeking to strengthen their administrative capacities in alignment with NEP 2020.

Summary of Staff Development Programs

S. No.	Participants	Date/Month	Topic
1.	43	03-04-2024	Bonding for Lasting Connections-Understanding Interpersonal Skills
2.	40	19-04-2024	Problem Solving
3.	29	25-04-2024	Problem Solving
4.	38	27-05-2024	Basic Functionalities of MS Excel
5.	22	30-05-2024	Basic Functionalities of MS Excel
6.	21	29-06-2024	Basic Functionalities of MS Excel
7.	72	04-07-2024	Public Procurement

S. No.	Participants	Date/Month	Topic
8.	40	14-08-2024	Office Procedures (Management of Postal Receipts, File Management, Noting and Drafting, Communications, Proforma, Channel and Process)
9.	24	27-08-2024	Office Procedures
10.	20	29-08-2024	Advanced MS Excel
11.	5	04-09-2024	Problem Solving
12.	45	18-09-2024	Right to Information
13.	31	20-09-2024	Analysis of Data in MS Excel' and 'Refreshing Features of MS Word
14.	14	25-09-2024	Institutional Event Planning, its roll out, including Coordination
15.	40	15-10-2024	Financial Rules
16.	9	28-10-2024	Managing TIME and Understanding importance of RESPONSE
17.	31	18-11-2024	Service Regulations and Guidelines for Government Employees
18.	15	21-11-2024	Building Audit Awareness for a Transparent Organisation
19.	24	28-11-2024	Artificial Intelligence (ChatGPT) and MS Excel: Enhancing Productivity and Efficiency
20.	39	27-12-2024	Work Smarter: Artificial Intelligence/ChatGPT in Daily Office Operations
21.	49	11-01-2025	Ice Breaking, Interaction, and Feedback (for Library Staff)
22.	22	15-01-2025	Team Building titled "Energizing workplace with motivation"
23.	26	15-02-2025	Library Operations and Services, Group 1 (for Library Staff)
24.	28	22-02-2025	Library Operations and Services, Group 2 (for Library Staff)
25.	23	04-03-2025	Use of ICT in Library, Group 1 (for Library Staff)
26.	27	08-03-2025	Use of ICT in Library, Group 2 (for Library Staff)

4.4. CENTRAL DISCOVERY CENTRE (CDC)

The Central Discovery Centre (CDC**)** at Banaras Hindu University is a five-storied, state-of-the-art instrumentation hub established to support cutting-edge scientific research across disciplines. Conceived as a central facility, the CDC provides advanced analytical and imaging technologies to researchers in diverse fields including cell biology, materials science, proteomics, chemistry, physics, and environmental sciences.

Designed to foster multidisciplinary and collaborative research, the Centre makes its resources accessible not only to BHU faculty and scholars but also to external users from academic institutions, government laboratories, and industries. By integrating world-class equipment with expert technical support, the CDC plays a pivotal role in advancing high-impact research and innovation.

Key Facilities & Instrumentation

The CDC houses an impressive suite of advanced instruments, including:

- **Fluorescence Activated Cell Sorter (FACS):** Measures up to 18 colours using five lasers, offering high-performance cell sorting across a range of particle sizes.
- **Flow Cytometer (FCM):** Configured with five lasers, supporting multiple sample formats for efficient molecular and cellular analysis.
- **Gel Doc Chemiluminescent System:** Enables versatile analysis of DNA gels, protein gels, and Western blots with high sensitivity.
- **High-Resolution Field Emission Scanning Electron Microscope (FESEM):** Provides imaging up to 0.5 nm resolution with EDS and EBSD support for elemental and structural analysis.
- **Mass Spectrometry & Liquid Chromatography-MS (Q-Exactive Plus + UHPLC):** High-resolution proteomics, metabolomics, and small molecule analysis.
- **Live Cell Imaging System:** Allows dynamic high-resolution 3D imaging of live cells with advanced incubation and detection options.
- **Raman-SNOM-AFM Microscope:** A hybrid system integrating Raman, near-field optical microscopy, and AFM for nanoscale structural and chemical analysis.
- **X-Ray Photoelectron Spectroscopy (XPS):** Facilitates surface chemical analysis with depth profiling and dual XPS/UPS capabilities.
- **X-Ray Diffraction (XRD):** High-precision single-crystal XRD for detailed structural characterization of small molecule crystals.
- **Wavelength Dispersive X-Ray Fluorescence (WD-XRF):** Non-destructive qualitative and quantitative elemental analysis with high reproducibility.
- **Refrigerated Centrifuge:** High-capacity system with advanced temperature control for precision in biological and chemical experimentation.
- **Stereological Analytical Workstation:** Powered by Neurolucida and Stereo Investigator software for 3D brain mapping and unbiased quantitative neuronal studies.
- **Trinocular Fluorescence Research Microscope:** Configurable, motorized system for advanced fluorescence-based imaging applications.

Access & User Policy

Each instrument is available on a user-charge basis, with fees calibrated by category of user—BHU researchers, other academic institutions, government laboratories, and industries. Charges also vary depending on the complexity and duration of experiments.

Impact & Vision

The Central Discovery Centre is envisioned as a nationally significant resource that not only strengthens BHU's research ecosystem but also creates opportunities for inter-institutional and industry collaborations. By bridging disciplinary boundaries and enabling access to world-class facilities, the CDC is advancing scientific discovery, innovation, and translational research.

Sample Tested and Revenue Generation of the Instruments

Sl No.	Instruments	No. of Samples	Revenue (INR)
1	Raman	1491	6,24,044.00
2	XPS	495	5,73,560.00
3	HRMS	342	9,74,500.00
4	FCM	10918	5,64,447.00
5	FACS	259	14,000.00
6	Live Cell Imagining	1454	22,828.00
7	SC- XRD	585	6,00,682.00
8	Neurolucida	998	67,072.00
9	TRM	8455	79,952.00
10	XRF	419	3,74,020.00
11	Gel-Doc	61	11,000.00
12	Fe-Sem	1092	11,21,684.00
	Total	**26569**	**50,27,789.00**

4.5. ATAL INCUBATION CENTRE (AIC)

Nestled within the distinguished precincts of Banaras Hindu University (BHU), the Atal Incubation Centre – Mahamana Foundation for Innovation & Entrepreneurship (AIC-MFIE-IM-BHU) stands as a beacon of innovation and entrepreneurial vision. Inaugurated on September 18, 2018, by the Hon'ble Prime Minister Shri Narendra Modi, the centre embodies the spirit of modern, innovative India envisioned by the late Shri Atal Bihari Vajpayee. Functioning under the aegis of the Atal Innovation Mission (AIM), a flagship initiative of NITI Aayog, Government of India, AIC-MFIE-IM-BHU has rapidly emerged as a nucleus for transformative ideas and ventures.

Vision and Mission

AIC-MFIE-IM-BHU is dedicated to nurturing ideas, fostering innovation, and transforming them into scalable and sustainable enterprises. Its core mission revolves around igniting entrepreneurial spirit among students and aspiring innovators, providing mentorship and resources to refine their ideas, and incubating startups at various stages of development. By offering access to knowledge, human resources, and funding opportunities, the centre aims to cultivate a thriving ecosystem that bridges academic brilliance and industrial application, thereby contributing meaningfully to India's innovation landscape.

Infrastructure and Facilities

Located on the fifth floor of the CDC Building within BHU, the centre boasts state-of-the-art infrastructure meticulously designed to meet the dynamic requirements of startups. The physical incubation space enables fledgling enterprises to operate in an environment conducive to collaboration and creativity, while virtual incubation support ensures accessibility for ventures unable to physically relocate. Co-working facilities are thoughtfully curated to encourage interaction among innovators, and startups also benefit from BHU's advanced research infrastructure, enabling seamless transition from ideation to prototyping.

Programs and Initiatives

AIC-MFIE-IM-BHU offers a plethora of programs tailored to support startups at various stages:

1. **Pre-Incubation**: A 14-week milestone-based program guiding ideas to Minimum Viable Product (MVP) through expert mentorship and digital learning materials. Atal Incubation Center - BHU
2. **Incubation**: A physical incubation program lasting 18 to 36 months, catering to startups in ideation, prototype, or seed stages. Atal Incubation Center - BHU+2Atal Incubation Center - BHU+2
3. **Seed Funding**: Assistance in securing initial funding to propel startup growth.
4. **Corporate Innovation Programme**: Collaborations with corporates to foster innovation.
5. **Entrepreneur Training**: Workshops and training sessions to hone entrepreneurial skills.
6. **Skill Development & Entrepreneurship**: Programs aimed at enhancing skills and fostering entrepreneurial mindset.
7. **BOSCH CSR Program**: Corporate Social Responsibility initiatives by BOSCH supporting startups.
8. **Service Management**: Support in managing services within startups.
9. **Office Executive**: Assistance in administrative functions for startups.
10. **Co-Working**: Provision of shared workspaces to encourage collaboration.

Focus Areas

The centre emphasizes innovation across several key sectors, including Clean Technology, Information Technology and Electronics, Education Technology, Agricultural Technology, Medical Technology, Tourism, Social Entrepreneurship, and Defence. By concentrating on these domains, AIC-MFIE-IM-BHU ensures that its efforts not only foster commercial success but also generate social impact and sustainable solutions for pressing contemporary challenges.

Achievements

- **110+ Incubated Startups**: Over 110 startups have been nurtured, contributing to job creation and economic growth.
- **200+ Entrepreneurial Programs**: Conducted more than 200 programs to foster entrepreneurship.
- **10 Intellectual Property Rights (IPRs)**: Secured patents and copyrights for innovations.

- **35+ Mentors and Experts**: A robust network of mentors guiding startups.
- **1000+ Jobs Created**: Direct and indirect employment generated through incubated startups.

Strategic Collaborations

AIC-MFIE-IM-BHU has forged strategic partnerships with over twenty-five industry leaders and organizations, including AWS Activate, HubSpot for Startups, BSE Institute Ltd., the National Research and Development Corporation, Wadhwani Foundation, Zone Startups India, and the Entrepreneurship Development Institute of India, among others. These collaborations provide startups with access to specialized resources, mentorship opportunities, and avenues for financial support, enhancing the probability of their success in competitive markets.

Satellite Centres

To extend its reach and foster regional entrepreneurship, AIC-MFIE-IM-BHU has established satellite centres in several institutions, including Sunbeam Women's College, Vasant Kanya Mahavidyalay, Indian Institute of Carpet Technology, and RSMT, among others. These centres facilitate broader access to incubation services, ensuring that aspiring innovators from diverse geographical and academic backgrounds can benefit from the centre's expertise.

The Atal Incubation Centre at Banaras Hindu University stands as a testament to the transformative potential of innovation and entrepreneurship. By providing holistic support to startups, fostering interdisciplinary collaboration, and promoting social and economic development, AIC-MFIE-IM-BHU continues to shape the future of entrepreneurship in India. Through its strategic vision, extensive programs, and robust partnerships, the centre embodies the spirit of Atal Bihari Vajpayee's vision of an innovative, self-reliant, and dynamic India.

4.6. SATHI CENTRE

The Sophisticated Analytical & Technical Help Institute (SATHI) Centre at Banaras Hindu University has been established under the aegis of the Department of Science and Technology (DST), Government of India. The initiative represents a visionary step towards democratizing access to advanced scientific infrastructure by creating a professionally managed, shared facility for Science and Technology (S&T). Designed to serve academia, start-ups, industries, manufacturing units, and research laboratories alike, the SATHI Centre is poised to transform the landscape of research and innovation in India. By offering access to sophisticated instrumentation and cutting-edge technologies, often unavailable at smaller institutions, the centre bridges a critical gap in the nation's scientific and industrial ecosystem.

Objective and Vision

At its core, the SATHI initiative seeks to establish a centralized hub where high-end equipment and infrastructure can be accessed by a wide spectrum of users. The centre's services extend to academic institutions, state universities, micro, small, and medium enterprises (MSMEs), start-ups, and industrial partners, thereby creating an inclusive environment for knowledge creation and application. In alignment with the national vision of *Atmanirbhar Bharat Abhiyan* (Self-Reliant India Campaign), SATHI at BHU endeavors to strengthen the country's research, innovation, and manufacturing capabilities. By integrating world-class facilities with local needs, it aims to foster both global competitiveness and indigenous technological advancement.

The infrastructure's core objectives include:

- Procurement and maintenance of high-end research equipment.
- Capacity building for operators and technicians to ensure efficient operation and accurate interpretation of results.
- Maximum infrastructure utilization, ensuring that the equipment is used effectively to foster research and innovation.
- Promotion of collaboration between diverse research and development disciplines.

Accessibility and Research Flow

A distinguishing feature of the SATHI model is its accessibility: nearly eighty percent of the facility's resources are available to external users, thereby widening the scope of research far beyond the boundaries of the host university. This openness not only encourages equitable access but also fosters collaboration across diverse institutions and industries.

The infrastructure is designed to support the complete trajectory of knowledge creation—from fundamental research to applied science and finally, to translational research with tangible societal impact. By adhering to global standards of technology testing, certification, and compliance, the SATHI Centre also plays a pivotal role in strengthening India's manufacturing ecosystem and aligning national capabilities with international benchmarks.

Specialized Equipment and Applications

The SATHI Centre houses a suite of sophisticated instruments, each capable of driving frontier research and industrial applications:

- **High-Resolution Accurate Mass Spectrometer (HRAMS)**
  The HRAMS is central to advanced studies in proteomics, metabolomics, pharmacokinetics, and clinical sciences. Its applications range from identifying protein markers and ensuring food safety to conducting forensic toxicology analyses, making it indispensable in both healthcare and industrial research.
- **Laser Scanning Super Resolution Microscope**
  This instrument provides unparalleled visualization of subcellular structures and has proven invaluable in disciplines such as virology, cell biology, and neurobiology. Its capacity for prolonged live imaging supports breakthrough studies in phenomena such as neuronal development and cellular dynamics.
- **Laser Ablation Gas Chromatography–Isotope Ratio Mass Spectrometry (LA-CGC-HR-IRMS)**
  Primarily designed for authentication of organic food products, this instrument

also plays a vital role in climate change research and the study of geological processes, bridging the environmental sciences with industrial quality assurance.

- **High-Resolution Nuclear Magnetic Resonance (HR-NMR)**
  HR-NMR is essential for determining the molecular structures of both known and novel substances. Its relevance spans pharmaceutical industries, life sciences, and chemical research, enabling the development of new drugs and advanced biomaterials.
- **Photoacoustic Imaging Platform**
  This platform supports small-animal imaging and enables real-time visualization of nanoparticles and pathological processes, particularly those related to cardiovascular diseases. It offers a transformative approach to preclinical research and translational medicine.
- **Solar Simulator and Fuel Cell Workstation**
  Dedicated to advancing renewable energy technologies, this workstation facilitates research on solar cells, fuel cells, and electrochemical systems. Capabilities such as impedance analysis and cyclic voltammetry help researchers develop efficient and sustainable energy solutions.
- **Circular Dichroism Spectrophotometer**
  This spectrophotometer is indispensable in structural biology, enabling researchers to investigate protein folding, conformational stability, and structural changes under varying environmental conditions. Its applications are critical in drug design and protein engineering.

Significance and Impact

The establishment of the SATHI Centre at BHU marks a significant stride in India's pursuit of scientific and technological self-reliance. By consolidating high-end equipment within a professionally managed framework and opening its doors to users across the nation, the centre fosters collaboration between academia and industry, stimulates innovation, and accelerates economic growth.

Beyond serving as a repository of advanced tools, the SATHI Centre embodies a model of inclusivity, efficiency, and national empowerment. It ensures that sophisticated research infrastructure—once concentrated within elite institutions—becomes a shared resource for all, enabling India to scale new heights in research, technology, and industry.

Sample Tested and Revenue Generation of the Instruments

Sl No.	Instruments	No. of Samples	Revenue (INR)
1	High Resolution Accurate Mass Spectrometer System (HRAMS)	815	85,05,600.00
2	Laser Scanning Super Resolution Microscope System	496	9,40,500.00
3	Isotope Ratio Mass Spectrometry (IRMS)	1152	14,39,500.00
4	Nuclear Magnetic Resonance (NMR)	2486	24,33,642.00
5	Photoacoustic Imaging Platform	372	6,99,000.00
6	Electrochemical WorkStation	412	1,41,500.00
7	Circular Dichroism Spectrophotometer	356	1,38,406.00
Total			**1,42,98,148.00**

4.7. UNIVERSITY SCIENCE INSTRUMENTATION CENTRE (USIC)

Established in 1980, the University Science Instrumentation Centre (USIC) Level-II at Banaras Hindu University stands as one of the most vital yet often understated pillars of the University's academic and research edifice. Conceived as a non-vocational academic department and central facility, it has, for more than four decades, quietly but steadfastly empowered scientific pursuits through its unwavering service. With its unique role in the repair, maintenance, and development of sophisticated instruments, USIC has become the silent force behind countless academic breakthroughs, nurturing the spirit of inquiry and innovation across the campus.

From the bustling laboratories of the Faculty of Science to the cutting-edge research spaces of the Indian Institute of Technology (BHU), the imprint of USIC Level-II is unmistakable. It is not merely a service centre; it is the lifeline of instruments, the custodian of functionality, and a bridge connecting imagination with execution.

Role and Services

The role of USIC Level-II extends far beyond routine maintenance. It breathes life back into sophisticated instruments—electrical, electronic, mechanical, and analytical—that are indispensable to the rhythm of modern research. By fabricating critical components and specialized test specimens, it supports an array of research and development projects, ensuring that innovation at BHU never encounters avoidable obstacles.

For students, too, the Centre is a sanctuary of support. It assists in M.Tech dissertation projects and caters to the academic needs of B.Sc., M.Sc., B.Tech., and M.Tech students, providing them with vital laboratory materials. Even the distilled water, essential for so many experiments, flows from the meticulous care of USIC's facilities. In this way, the Centre not only safeguards the continuity of research but also nourishes the very process of learning itself.

Scientific and Technical Infrastructure

The strength of USIC Level-II lies in its rich ensemble of advanced instruments and machines, each serving as a cornerstone for research and experimentation across disciplines. Among its most prized facilities are the Fluorescence Microscope and the Horn Probe Sonicator, which open windows into the microscopic and molecular world. The Fully Automatic Winding Machine and Milling Machines embody precision engineering, while the UV-Visible Double Beam Spectrophotometer brings clarity to material analysis and biochemical studies.

Other essential facilities include the B.O.D. Incubator, Autoclave Vertical, Vacuum Oven, and high-sensitivity Analytical Balance—each indispensable for biological and chemical research. The Distillation Units, power-driven machines such as lathes, drills, grinders, saws, and cutters, as well as wood-turning devices, collectively provide a versatile infrastructure capable of supporting projects ranging from material sciences to mechanical engineering.

Among these, the UV-Visible Spectrophotometer Shimadzu deserves special mention. Extensively utilized by more than eighty research scholars across departments, it exemplifies how USIC facilities form the backbone of quality research at BHU, enabling scholars to explore, test, and innovate with confidence.

Celebrating a Legacy of Support

The University Science Instrumentation Centre, though often working in quiet efficiency behind the scenes, is a celebration of resilience, precision, and service. Its contributions cannot be measured merely in instruments repaired or components fabricated, but in the intellectual journeys it has sustained, the research it has propelled, and the countless hours of experimentation it has enabled.

By ensuring that tools of discovery remain reliable, accessible, and ever-ready, USIC Level-II has nurtured generations of scientists, engineers, and innovators. It is, in many ways, the heartbeat of Banaras Hindu University's scientific enterprise—faithfully sustaining the pursuit of excellence for over forty years, and standing as a testament to the power of infrastructure in advancing the frontiers of knowledge.

5. UNIVERSITY HERITAGE

MALAVIYA BHAWAN

BHARAT KALA BHAWAN



5.1. MALAVIYA BHAVAN

Malaviya Bhavan, the former residence of *Mahamana Pandit Madan Mohan Malaviya*—the illustrious founder of Banaras Hindu University and a prominent leader of India's freedom movement—stands as a living memorial to his life and ideals. Opened to the public in December 1961 during the centenary celebrations of Mahamanaji, the Bhavan has since evolved into a **centre of cultural, spiritual, and intellectual exploration**, reflecting his vision and values.

Several important units function within the premises of Malaviya Bhavan, each carrying forward the legacy of Mahamana's teachings:

- **Yoga Sadhana Kendra**
  Established in 1975, the Yoga Sadhana Kendra serves as the University's interdisciplinary hub for yoga training, practice, and research. It provides structured guidance and academic exposure in the discipline through a **Certificate Course in Yoga** and a **Diploma Course in Yoga**, thereby nurturing interest in the ancient Indian science of holistic well-being.
- **Geeta-Samiti**
  The Geeta-Samiti is dedicated to promoting the timeless wisdom of the *Shrimad Bhagavad Gita*. It regularly organizes the *Shrimad Bhagwat Katha*, where renowned scholars lead recitations and discourses. These events attract wide participation from both the University fraternity and the broader community, fostering a shared spiritual and reflective environment.
- **Geeta-Yoga Library**
  The Library within Malaviya Bhavan houses an invaluable collection of texts and reference material on Yoga, the *Bhagavad Gita*, Indian philosophy, and spiritual literature. It continues to serve students, researchers, and practitioners engaged in these fields.
- **Mahamana Sabha Griha (Meeting Hall)**
  The Sabha Griha provides a venue for cultural, religious, and educational activities, particularly those related to yoga, spirituality, and value-based education. In August 2023, the hall witnessed a grand celebration of *Shree Krishna Janmashtami*. It continues to host yoga training programs, discourses

on the *Gita*, and other events of academic and cultural significance, making it a vibrant nucleus of community life on campus.

Impact & Significance

Malaviya Bhavan is more than a memorial—it is a **centre of living heritage**, embodying the values of truth, service, spirituality, and knowledge that Mahamana stood for. Through its various units and activities, it continues to inspire the University community and beyond, reinforcing BHU's identity as an institution deeply rooted in India's cultural and spiritual traditions.



5.2. BHARAT KALA BHAVAN

Bharat Kala Bhavan, the internationally acclaimed museum of Banaras Hindu University, stands as a premier centre of art, culture, and archaeology. Renowned for its rich and diverse collection, the museum is particularly celebrated for its extensive holdings of Indian miniature paintings, archaeological artifacts, sculptures, textiles, coins, and rare manuscripts of Indian literature.

With nearly **1.05 lakh antiquities**, the museum encompasses **14 thematic galleries**, including the *Mahamana Malaviya Gallery, Chhavi (Miniature Paintings Gallery), Sculpture Gallery, Nicholas Roerich Gallery, Nidhi Gallery,* and the *Textile Gallery*, each presenting masterpieces that reflect India's cultural and artistic heritage.

In recent years, Bharat Kala Bhavan has undergone significant modernization and renovation of its infrastructure and galleries, supported by the Institute of Eminence (IoE) project**.** Additionally, the digitization of its extensive collection, made possible with funding from the **Infosys Foundation, Bangalore**, has ensured both the preservation of its treasures and wider access for researchers and art enthusiasts across the globe.

The museum also houses a prestigious reference library, widely regarded as one of the finest in India in the fields of Art and Archaeology. Serving as an essential academic resource, it attracts students, researchers, and scholars from India and abroad. In addition, the museum's staff contribute actively to research through publications, curated exhibitions, and academic presentations, reinforcing Bharat Kala Bhavan's stature as a hub of intellectual and cultural excellence.

Drawing both scholars and tourists in large numbers, Bharat Kala Bhavan not only preserves India's artistic and archaeological legacy but also continues to advance scholarship, education, and public engagement through its collections and activities.

6. HUMAN RESOURCE PROFILE

TEACHERS

NUMBER OF TEACHERS

PUBLICATIONS

MAJOR PROJECTS UNDERTAKEN

CONFERENCES / SEMINARS / WORKSHOPS ORGANISED

PARTICIPATIONS IN ACADEMIC EVENTS

PATENTS FILED / GRANTED

AWARDS AND RECOGNITIONS

NON-TEACHING STAFF

6.1.1. NUMBER OF TEACHERS IN POSITION

Professors *(Stage-V)*

Faculty/Institute	Male							Female							Total						
	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH
IMS	99	19	4	18	4	0	0	37	6	2	3	0	0	0	136	25	6	21	4	0	0
IAS	42	7	1	3	1	0	0	0	0	0	0	0	0	0	42	7	1	3	1	0	0
Arts	56	3	1	1	3	0	0	17	1	0	0	1	0	0	73	4	1	1	4	0	0
Science	101	13	3	4	3	0	0	18	2	1	0	0	0	0	119	15	4	4	3	0	0
Social Sciences	18	5	0	2	1	0	2	14	2	0	0	1	0	0	32	7	0	2	2	0	2
SVDV	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0
Performing Arts	4	0	0	0	0	0	0	3	1	0	0	0	0	0	7	1	0	0	0	0	0
Visual Arts	1	1	0	0	0	0	0	2	0	0	0	0	0	0	3	1	0	0	0	0	0
Commerce	7	2	1	0	0	0	0	2	0	0	0	0	0	0	9	2	1	0	0	0	0
Law	11	2	0	2	0	0	0	1	0	0	0	0	0	0	12	2	0	2	0	0	0
Management Studies	8	1	0	0	0	0	0	0	0	0	0	0	0	0	8	1	0	0	0	0	0
Education	3	3	1	0	0	0	0	6	0	0	1	0	0	0	9	3	1	1	0	0	0
MMV	5	1	1	0	0	0	0	21	1	0	0	1	0	0	26	2	1	0	1	0	0
IESD	3	0	0	1	0	0	0	1	0	0	0	0	0	0	4	0	0	1	0	0	0
Total	**383**	**57**	**12**	**31**	**12**	**0**	**2**	**122**	**13**	**3**	**4**	**3**	**0**	**0**	**505**	**70**	**15**	**35**	**15**	**0**	**2**

Associate Professor (Stage-IV)

Faculty/Institute	Male							Female							Total						
	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH
IMS	39	7	1	8	0	2	2	20	4	1	6	0	0	0	59	11	2	14	0	2	2
IAS	5	6	2	1	1	1	0	1	0	0	1	1	0	0	6	6	2	2	2	1	0
Arts	6	2	0	4	2	0	0	5	2	0	1	0	0	0	11	4	0	5	2	0	0
Science	9	9	2	5	1	0	0	2	1	0	2	0	0	0	11	10	2	7	1	0	0
Social Sciences	4	3	0	1	0	0	0	0	1	1	0	0	0	0	4	4	1	1	0	0	0
SVDV	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Performing Arts	2	1	0	1	1	0	0	1	0	0	0	0	0	0	3	1	0	1	1	0	0
Visual Arts	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
Commerce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Law	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0
Management Studies	3	0	0	0	0	0	0	1	0	0	0	0	0	0	4	0	0	0	0	0	0
RGSC	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Education	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

MMV	1	0	0	0	0	0	0	5	5	1	0	0	0	0	6	5	1	0	0	0	0
IESD	3	1	0	0	0	0	0	1	0	0	0	0	0	0	4	1	0	0	0	0	0
UGC Human Resource and Development Centre	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Total	**77**	**31**	**7**	**23**	**5**	**3**	**2**	**36**	**13**	**3**	**10**	**1**	**0**	**0**	**113**	**44**	**10**	**33**	**6**	**3**	**2**

Assistant Professor (Stage III)

Faculty/Institute	Male							Female							Total						
	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH
IMS	4	0	0	2	0	0	0	0	1	0	1	0	0	0	4	1	0	3	0	0	0
IAS	6	3	1	1	0	0	0	1	1	0	0	0	0	0	7	4	1	1	0	0	0
Arts	7	2	0	2	2	0	1	2	1	0	2	0	0	0	9	3	0	4	2	0	1
Science	4	1	1	6	1	0	0	4	1	0	0	0	0	0	8	2	1	6	1	0	0
Social Sciences	2	1	2	4	0	0	0	2	0	0	2	0	0	0	4	1	2	6	0	0	0
SVDV	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Performing Arts	1	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0
Visual Arts	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Commerce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Law	3	0	0	3	0	0	0	0	1	0	0	0	0	0	3	1	0	3	0	0	0
Management Studies	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
RGSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	3	1	0	0	0	0	1	0	0	1	1	0	0	0	3	1	1	1	0	0	1
MMV	2	2	1	2	0	0	0	1	0	1	4	2	0	0	3	2	2	6	2	0	0
IESD	2	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
Total	**35**	**12**	**5**	**20**	**3**	**0**	**2**	**13**	**5**	**2**	**10**	**2**	**0**	**0**	**48**	**17**	**7**	**30**	**5**	**0**	**2**

Assistant Professor (Stage-II)

Faculty/Institute	Male							Female							Total						
	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH
IMS	6	2	1	6	0	0	0	0	1	0	1	1	0	0	6	3	1	7	1	0	0
IAS	17	7	0	12	1	0	0	6	2	1	3	1	0	0	23	9	1	15	2	0	0
Arts	8	10	2	7	2	0	1	4	0	1	7	3	1	0	12	10	3	14	5	1	1
Science	19	11	1	24	0	4	2	5	1	1	5	1	1	1	24	12	2	29	1	5	3
Social Sciences	2	1	1	6	0	2	1	3	1	1	2	0	0	0	5	2	2	8	0	2	1
SVDV	2	0	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0
Performing Arts	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	1	1	2	0	0	0
Visual Arts	1	2	0	2	0	0	0	0	0	0	1	0	0	0	1	2	0	3	0	0	0

Commerce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Law	3	1	0	2	0	1	0	0	0	0	0	0	0	0	3	1	0	2	0	1	0
Management Studies	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
RGSC	2	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0
Education	0	0	0	0	0	0	0	2	0	0	1	0	0	0	2	0	0	1	0	0	0
MMV	5	5	1	5	1	1	2	9	2	0	5	2	2	0	14	7	1	10	3	3	2
IESD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**65**	**41**	**6**	**68**	**4**	**8**	**6**	**29**	**7**	**5**	**27**	**8**	**4**	**1**	**94**	**48**	**11**	**95**	**12**	**12**	**7**

Assistant Professor (Stage-I)

Faculty/Institute	Male							Female							Total						
	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH	Gen.	SC	ST	OBC	Min.	EWS	PH
IMS	26	5	0	13	3	1	0	17	5	2	12	3	0	0	43	10	2	25	6	1	0
IAS	8	0	3	4	4	1	0	1	0	1	2	0	0	0	9	0	4	6	4	1	0
Arts	10	6	2	12	5	1	0	8	3	1	1	1	0	0	18	9	3	13	6	1	0
Science	10	6	3	15	3	1	2	6	0	2	1	2	1	1	16	6	5	16	5	2	3
Social Sciences	2	0	0	4	0	0	1	4	1	0	1	0	1	0	6	1	0	5	0	1	1
SVDV	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
Performing Arts	1	0	0	1	0	0	0	1	0	0	0	0	0	1	2	0	0	1	0	0	1
Visual Arts	2	1	1	2	1	1	0	0	0	0	1	0	0	0	2	1	1	3	1	1	0
Commerce	1	2	0	3	0	0	0	4	1	0	2	0	0	0	5	3	0	5	0	0	0
Law	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0
Management Studies	1	1	2	3	0	0	0	0	0	0	0	1	0	0	1	1	2	3	1	0	0
RGSC	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Education	2	0	0	1	0	0	0	1	0	0	0	0	0	0	3	0	0	1	0	0	0
MMV	4	2	1	2	1	2	0	2	0	1	3	0	1	0	6	2	2	5	1	3	0
IESD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**67**	**24**	**13**	**61**	**18**	**7**	**3**	**45**	**10**	**7**	**23**	**8**	**3**	**2**	**112**	**34**	**20**	**84**	**26**	**10**	**5**

6.1.2. PUBLICATIONS

The academic session 2024-25 has been a remarkable year for Banaras Hindu University (BHU), marked by a prolific outpouring of scholarly contributions that reaffirm the institution's stature as a leading centre of knowledge creation and dissemination. During this period, BHU recorded an impressive total of **over 4980 publications**, underscoring both the breadth and depth of its research engagements.

Of these, **4072 were research papers and articles**, reflecting the vibrancy of ongoing inquiry across the sciences, social sciences, and humanities. Complementing these were **897 books, book chapters, and monographs**, which extended the impact of BHU's intellectual output into more comprehensive and enduring scholarly formats. Additionally, the university produced **7 manuals** to support academic and practical learning, alongside **4 translations**, demonstrating its commitment to intercultural dialogue, linguistic inclusivity, and the democratization of knowledge.

The geographical reach and influence of BHU's scholarship are particularly noteworthy. A total of **1992 publications appeared in national journals**, affirming the university's deep engagement with India's academic community, while **2977 publications were featured in international journals**, highlighting the institution's strong global footprint and the resonance of its research at the international level.

The sustained contributions of the faculty to books, chapters, and monographs further exemplify BHU's unwavering dedication to advancing knowledge across a wide spectrum of disciplines. These publications not only enrich academic discourse but also reinforce the university's legacy as a crucible of intellectual growth and innovation.
Comprehensive details of these scholarly contributions are provided in **Annexure I**.

No. of Research Papers and Articles published in Journals		**No. of Books / Book's Chapters / Monograph Published**	**No. of Manuals / Leaflet / Translations**
Research Papers and Articles			
National	International	National & International	
1423	2649	897	11

6.1.3. MAJOR PROJECTS UNDERTAKEN

The academic session 2024-25 marked a significant leap in the research trajectory of Banaras Hindu University, reflecting its growing stature as a hub of innovation and scholarly excellence. During this period, the University **embarked upon 184 new research projects**, supported by sanctioned grants amounting to **over ₹ 69.7 crore**. These projects span a wide array of **cutting-edge domains**, enabling faculty and researchers to push the boundaries of knowledge and open new frontiers of discovery.

In parallel, **560 ongoing research projects**, backed by cumulative grants exceeding **₹ 206.9 crore**, continued to make steady progress. The sustained momentum of these projects demonstrates the University's robust research ecosystem and its ability to nurture long-term academic inquiry of both national and global significance.

The breadth of this research activity is underpinned by the trust and support of numerous **prestigious national funding agencies**, whose patronage underscores the pivotal role played by BHU in advancing India's scientific, technological, and intellectual capital. Collectively, these initiatives highlight the University's enduring commitment to fostering innovation, promoting interdisciplinary collaboration, and addressing societal challenges through research. Comprehensive details of these projects are provided in **Annexure II**.

6.1.4. CONFERENCES / SEMINARS / WORKSHOPS ORGANIZED

In its quest to nurture a culture of dialogue, inquiry, and collaboration, Banaras Hindu University witnessed a dynamic calendar of academic engagements during the session 2024-25. Across its diverse departments, centres, and faculties, the University convened **272 conferences, workshops, symposiums, and seminars**, each serving as a vital platform for the exchange of knowledge and ideas.

These events brought together faculty members, research scholars, and students, alongside participants from institutions across the country, thereby creating spaces for cross-pollination of perspectives and disciplines. Through the presentation of research findings, scholarly debates, and interactive sessions, the gatherings enriched the intellectual fabric of the University and underscored its role as a national epicentre of academic discourse.

By fostering such vibrant interactions, these initiatives not only strengthened the University's research culture but also enhanced opportunities for networking, collaboration, and innovation. Collectively, they reflect BHU's enduring commitment to cultivating a thriving scholarly community that thrives on dialogue and discovery. A detailed account of these academic events is provided in **Annexure III**.

6.1.5. PARTICIPATIONS IN ACADEMIC EVENTS

The academic session 2024-25 was marked by the active and enthusiastic participation of Banaras Hindu University faculty members in a wide spectrum of scholarly events at both national and international levels. During this period, **386 deputations of faculty members** were recorded, reflecting the University's commitment to fostering global academic dialogue and collaboration.

BHU scholars presented their research, shared insights, and engaged in meaningful exchanges with peers across the world. Their participation spanned countries such as the **United States of America, Canada, South Africa, China, the United Kingdom, Japan, Bhutan, Australia, and Germany**, among others, thereby underscoring the University's vibrant presence on the international academic stage.

These global engagements not only enriched the scholarly discourse of the host institutions but also brought back valuable perspectives that continue to inform and strengthen BHU's own research ecosystem. Such participation exemplifies the University's enduring commitment to intellectual exchange, cultural dialogue, and the pursuit of academic excellence on a worldwide scale. Comprehensive details regarding these international academic participations are provided in **Annexure IV**.

6.1.6. PATENTS FILED / GRANTED

The academic year **2024-25** witnessed Banaras Hindu University's faculty making remarkable strides in the domain of innovation and technology development. In this period, a total of **33 patents were filed**, demonstrating the University's steadfast commitment to fostering a culture of creativity, problem-solving, and translational research.

Notably, **18 patents were granted**, a testament to the intellectual rigour and practical relevance of the innovations conceived within BHU's laboratories and research centres. These patents underscore the University's growing emphasis on bridging the gap between academic research and industrial application, thereby ensuring that knowledge generated on campus contributes meaningfully to technological progress and societal advancement.

Through such initiatives, BHU continues to position itself as a crucible of innovation, where ideas are transformed into impactful solutions with far-reaching benefits. Detailed information regarding the patents filed and granted is provided in **Annexure V**.

6.1.7. AWARDS AND RECOGNITIONS

The academic contributions of the faculty at Banaras Hindu University have received wide national and international acclaim, affirming the University's standing as a centre of intellectual excellence and scholarly distinction. During the academic session 2024-25, numerous faculty members were conferred with prestigious fellowships and honours, underscoring both the depth and breadth of BHU's academic influence.

Several distinguished scholars were elected as Fellows of eminent academies, including the *Indian Academy of Sciences*, the *National Academy of Sciences*, and the *National Academy of Medical Sciences*, thereby bringing singular recognition to the University. In parallel, a number of faculty members were awarded fellowships and associateships to pursue advanced research abroad, strengthening BHU's international academic engagement and fostering cross-border collaborations.

Beyond these honours, the faculty also assumed leadership positions in professional organizations, were entrusted with appointments to national and international committees, and made their mark as editors of renowned journals, curating the global discourse in their respective fields. Furthermore, their intellectual stature was evident in their role as chairs of major academic conferences, where they shaped and guided scholarly deliberations at the highest levels.

Collectively, these distinctions highlight not only the individual brilliance of BHU's faculty but also the institutional prestige of the University as a nurturing ground for academic leaders, innovators, and thought pioneers. Comprehensive details regarding the awards and recognitions conferred upon BHU faculty during the session 2024-25 are presented in **Annexure VI**.

6.2. NON-TEACHING STAFF IN POSITION

Group 'A' Employee

Sl.	Designation	Strength
1.	Vice-Chancellor	01
2.	Registrar	01
3.	Finance Officer	01
4.	Controller of Examinations	01
5.	Joint Registrar	08
6.	Dy. Registrar	12
7.	Assistant Registrar	25
8.	Internal Audit Officer	01
9.	Assistant Audit / Account Officer	01
10.	Veterinary Officer	01
11.	Training & Placement Officer	01
12.	System Programmer	03
13.	System Manager	02
14.	Superintending Engineer	01
15.	Student Counsellor	01
16.	Speech Therapist	01
17.	Senior System Engineer	01
18.	Senior Scientist	01
19.	Senior Medical Officer	09
20.	Senior Maintenance Engineer	02
21.	Scientist (Photo Voltaic)	01
22.	Radiological Safety Officer	01
23.	Project Officer	01
24.	Programmer	05
25.	Professor-Director (UGC-MMTTC)	01
26.	Public Relations Officer	01
27.	Assistant PRO	01
28.	Networking Engineer	01
29.	Micro Analyst	01
30.	Medical Officer	13
31.	Manager (Guest House)	01
32.	Librarian	01
33.	Law Officer	01
34.	Junior Maintenance Engineer	01
35.	Information Scientist (Central Library)	01
36.	Information Officer (Biotechnology)	01
37.	Hindi Adhikari	01
38.	Executive Engineer	04
39.	Dy. Nursing Superintendent	08
40.	Dy. Librarian	11
41.	Chief Medical Officer	17
42.	Audiologist	01
43.	Assistant Engineer	02
44.	Assistant Nursing Superintendent	09
45.	Assistant Librarian	07
46.	Assistant Executive Engineer	01
47.	Assistant Director (Sports)	11
	Total	**178**

GROUP 'B' AND 'C' EMPLOYEES

Category	Gen	SC	ST	OBC	EWS	Total	PWD*
PGT	33	13	01	12	00	59	01
TGT	13	04	01	06	00	24	00
Primary Teachers / Others	10	02	01	04	00	17	00
Group 'B'	1144	319	161	443	82	2149	19
Group 'C'	856	309	116	575	24	1880	20
TOTAL	**2056**	**647**	**280**	**1040**	**106**	**4129**	**40**

* The PWD employees are includes across all the categories horizontally

7. ACADEMIC AND STUDENT AFFAIRS

ACADEMIC PROGRAMMES

AWARDS OF DEGREE

STUDENTS STRENGTH

STUDENTS AMENITIES, SUPPORT & ACTIVITIES

7.1. ACADEMIC PROGRAMMES

1. Faculty of Arts

The Faculty of Arts offers a diverse array of academic programs. These encompass the 3-Year (6-Semesters) Bachelor of Arts (Hons) [B.A. (Hons.)], Bachelor of Physical Education (B.P.Ed.), and Master of Arts (M.A.) programs in various disciplines including English, Hindi, Sanskrit, Telugu, German, French, Nepali, Bengali, Urdu, Persian, Arabic, Pali and Buddhist Studies, Marathi, Geography, Ancient Indian History, Culture and Archaeology, Indian Philosophy and Religion, Mathematics Statistics, History of Art, Linguistics, Philosophy, Home Science, Chinese, Kannada, Russian, and Hindu Studies. Additionally, Ph.D. programs are also offered in a wide range of subjects.

Professional courses are also available, such as the 2-Year (4-Semesters) Master of Arts (M.A.) in Mass Communication, Prayojanmoolak Hindi (Patrakarita), Museology, Manuscriptology and Paleography; Master of Physical Education (M.P.Ed.) and Master of Library and Information Science (M.Lib. &I.Sc.).

Moreover, the faculty conducts Advanced P.G. Diplomas in subjects like Archaeology, History of Arts, Indian History and Culture, Arabic, Telugu, Hindi, French Studies, German, Indian Philosophy & Religion, Nepali, Marathi, Persian, Urdu, Indian Language, and Telugu. Under Graduate Diplomas cover languages like Hindi, Tamil, Telugu, Russian, Chinese, Marathi, French Studies, Arabic, Persian, German Studies, English, Kannada, Urdu, Nepali, Pali, Sanskrit, Italian, Spanish, Prakrit, and Japanese. Certificate courses are also offered in Hindi, English, Persian, Urdu, Arabic, Italian, Pali, and French (Bridge Course)

Special courses of study run by the faculty include the 2-Year (4-Semesters) M.A. in Tourism & Travel Management, Corporate Communication Management; UG Diplomas in Office Management & Business Communications (P/T), and Tourism Management (P/T); PG Diplomas in Bhojpuri and Janpadiya Adhyayan, Indian Philosophy and Religion, Translation Skills for Varied Competencies, and Urdu Translation and Mass Media; as well as a Proficiency Certificate Course in Bhojpuri Language.

Furthermore, the faculty provides Vocational Courses like Bachelor of Vocation programmes in Catering Technology and Hotel Management, Tourism & Hospitality Management, Banking, Insurance and Retailing, Hospital Administration and Management, Agribusiness & Entrepreneurship, and Computer Applications.

2. Faculty of Social Sciences

The Faculty of Social Sciences administers a range of academic programs. These include the Bachelor of Arts (Hons.) [B.A. (Hons.)], Master of Arts (M.A.) in Economics, History, Political Science, Sociology, and Psychology. The duration of B.A. (Hons.) program is 3-years (6-Semesters), whereas, the duration of the M.A. programs is 2-years (4-Semesters). Additionally, it offers M.Phil. in Subaltern Studies and Ph.D. programs in various disciplines.

Furthermore, special courses form a significant part of the faculty's offerings. These encompass programs like Master of Personnel Management & Industrial Relations (MPMIR); M.A. courses in Social Work, Public Administration, Conflict Management & Development, Integrated Rural Development and Management, Anthropology, Social Exclusion and Inclusive Policy, Energy Economics, and Heritage Management. The faculty also provides Undergraduate Diplomas in Alternate Dispute Resolution (P/T), and Corporate Social Responsibility (P/T); and Postgraduate Diplomas in Conflict Management & Development, Counseling & Psychotherapy, Gender & Women Studies, and Counseling Guidance & Psychological Intervention.

3. Faculty of Law

The Faculty of Law offers a 3-Year (6-semesters) Bachelor of Law (LL.B), a 1-Year Master of Law (LL.M.), and Ph.D. programmes. It also conducts special

courses, including a 5-Year (10-semesters) B.A. L.L.B (Hons), 2-Year LL.M., LL.M. in Human Rights & Duties Education (HRDE), and part-time PG Diplomas in diverse areas of the discipline, namely, Forensic Science and Medical Jurisprudence, Tax Management, Mass Communication and Media Law, Human Resource Management Service and Industrial Law, and Corporate Governance.

4. Faculty of Education

The Faculty of Education offers programs such as Bachelor of Education (B.Ed.), Bachelor of Education – Special (B.Ed. Special), Master of Education (M.Ed.), Master of Education – Special (M.Ed. Special), and Ph.D. All the undergraduate and postgraduate programmes of the Faculty have a minimum duration of 2-Year (4-semesters).

5. Faculty of Commerce

The Faculty of Commerce offers Bachelor of Commerce [B.Com. (Hons.)], Master of Commerce (M.Com.), and Ph.D. programs.

Additionally, it offers special courses, such as Bachelor of Commerce (Hons.) in Financial Market Management, along with MBA programs in Foreign Trade, Risk and Insurance, and Financial Management. All the undergraduate and postgraduate programmes of the Faculty have a minimum duration of 3-Year (6-semesters) and 2-Year (4-semesters), respectively.

6. Faculty of Management Studies

The Faculty of Management Studies conducts programs like Master of Business Administration (MBA), Master of Business Administration in International Business (MBA-IB), and Ph.D. All the postgraduate programmes of the Faculty have a minimum duration of 2-Year (4-semesters).

Additionally, it offers special courses in the diverse areas of the discipline, including, UG Diplomas in Microfinance and Entrepreneurship (P/T), and Leisure and Hospitality Management (P/T); PG Diplomas in Business Administration (P/T) and Health Care Management; along with a Certificate Program in Health Care Management (P/T).

7. Faculty of Science

The Faculty of Science offers Bachelor of Science [B.Sc. (Hons.)] programs in different subjects under the Mathematics and Biology Group. It also conducts Master of Science (M.Sc.) courses in Chemistry, Botany, Mathematics, Statistics, Physics, Zoology, Geography, Biochemistry, Home Science, Biotechnology, Computer Science, Psychology, Molecular & Human Genetics, Geology, Bioinformatics (specifically for women; conducted in MMV), Master of Science-Tech. (M.Sc. Tech.) in Geophysics, Master of Computer Application (MCA), and Ph.D. in different core and interdisciplinary areas. The minimum duration of B.Sc. (Hons.) is 3-Year (6-semesters), M.Sc. is 2-Year (4-semesters) and M.Sc. (Tech) is 3-Year (6-semesters).

Additionally, it provides PG Diplomas in Spectroscopy and Certificate Courses in Statistical Methods. The faculty also administers special courses like Master of Science (M.Sc.) in Environmental Science, Applied Microbiology, Statistics & Computing, Computational Science and Applications, Forensic Science, and Mathematics & Computing; UG Diplomas in Statistics and Computing; and PG Diplomas in Remote Sensing & GIS, Population Studies, and Chromosomal Genetic & Molecular Diagnostic.

8. Faculty of Visual Arts

The Faculty of Visual Arts offers Bachelor of Fine Arts (B.F.A.) programs and Master of Fine Arts (M.F.A.) specializing in Painting, Applied Arts, Plastic Arts, Pottery & Ceramics, and Textile Design, alongside Ph.D. opportunities. All the undergraduate and postgraduate programmes of the Faculty have a minimum duration of 4-Year (8-semesters) and 2-Year (4-semesters), respectively.

In addition, the faculty conducts special courses such as Certificate Programs in

Painting, Advertising & Design, Pottery & Ceramics, Sculpture, Design Innovation (P/T), and Interactive Web and Mobile Application Development (P/T).

9. Faculty of Performing Arts

The Faculty of Performing Arts offers a range of programs including Bachelor of Music (B.Mus.) specializing in Vocal Music and Instrumental Music (Sitar/Violin/Flute/Tabla), Bachelor of Performing Art (BPA) in Dance (Kathak/Bharatnatyam), Master of Music (M.Mus.) in Vocal Music and Instrumental (Sitar/Violin/Tabla/Flute), Master of Performing Art (MPA) in Dance (Kathak/Bharatnatyam), Master of Musicology, and Ph.D. The minimum duration of Bachelor of Music (B.Mus.)/ Bachelor of Performing Art (BPA) is 3-Year (6-semesters) and Master of Music (M.Mus.)/ Master of Performing Art (MPA)/ Master of Musicology is 2-Year (4-semesters).

Additionally, it provides Certificate Courses in Musicology and Music and Dance, awarding Junior Certificates after the first year, Senior Certificates upon completion of the second year, and Diplomas upon completion of the third year. There are also Diploma courses available in Music (Vocal - Hindustani, Karnataka, and Instrumental – Sitar / Violin / Flute / Tabla / Karnataka / Veena) & Dance (P/T), awarding Junior Diploma Levels I, II, and III upon completion of each respective year.

10. Faculty of Sanskrit Vidya Dharm Vigyan

The Faculty of Sanskrit Vidya Dharm Vigyan offers diverse programs such as Shastri (Hons.); Acharya in Veda, Dharmagam, Puranaitihasa and Sahitya, Jyotish, Vyakaran, Mimansa, Nyayavaisesika, Vedanta, Jain Darshan, Bauddh Darshan, Prachinanyaya, Sankhya Yoga, Dharmashastra; and Chakraverty (Ph.D.). The minimum duration of the Shastri and Acharya programs is 3-years (6-semesters) and 2-years (4-semesters), respectively.

Additionally, it provides a PG Diploma Course in Agama Tantra and a Certificate Course in Sanskrit. The faculty also features Special Courses including UG Diploma in Vastu Shastra Evam Jyotish (P/T), Karma Kand, Panini Vyakaran Evam Sangdak Bhasha Vigyan, Vedic Science, and Vedic Mathematics; PG Diploma in Yoga Education, Jyotish &Vastushastra, and Vedic Jurisprudence; along with an AnuprauktaVyakaran Certificate Course.

11. Faculty of Medicine

The Faculty of Medicine offers an array of programs including Bachelor of Medicine and Bachelor of Surgery (MBBS) and Bachelor of Science in Nursing. It also provides Doctor of Medicine (M.D.) in various specializations like Anaesthesiology, Biochemistry, Biophysics, Dermatology, Venereology and Leprosy, Forensic Medicine, Medicine, Paediatrics, Microbiology, Pathology, Pharmacology, Physiology, Preventive and Social Medicine, Psychiatry, Radiology (Radio-diagnosis), Radio Therapy and Radiation Medicine, and Tuberculosis & Respiratory Diseases. Additionally, there's Master of Surgery (M.S.) in Anatomy, Ophthalmology, Orthopaedics, Otorhinolaryngology, Surgery, and Obstetrics and Gynaecology, along with Ph.D. programs.

The Faculty further offers Doctorate Medicines (D.M.) in Neurology, Endocrinology, Gastroenterology, Cardiology, and Nephrology, Magister Chirurgaie (M.Ch.) in Neuro-Surgery, Plastic Surgery, Urology, Paediatric Surgery, and Cardio-Vascular and Thoracic Surgery. Supporting courses include M.Sc. in Health Statistics and Post-Doctoral Certificate Course in Pain & Palliative Care. Special courses encompass PG Diploma in Dialysis Therapy, Medical Technology (Radiotherapy), and Lab Technology.

12. Faculty of Ayurveda

The Faculty of Ayurveda offers a range of programs including Bachelor of Ayurvedic Medicine and Surgery (BAMS), Doctor of Medicine-Ayurveda (M.D. Ay.) in Basic Principles, Dravya Guna, Rasa Shastra, Kaya Chikitsa, Prasuti Tantra (Stri-Roga), and

Prasuti (Kaumarbhritya) Kaumarbhritya / Balroga. Additionally, it provides Master of Surgery–Ayurveda (M.S. Ay.) in Shalya and Shalakya, Post-Graduate Diploma Course in Ayurvedic Pharmaceutics (PGD Ay.P), and Ph.D.

The faculty also conducts special courses such as P.G. Diploma in Panchkarma Therapy, Neonatal and Child Care (PGDNC Ay.), Kshar Karma, Vikiran& Chhaya, Sangyaharan [DA (Ay.)-Diploma in Anesthesiology-Ay.], Agni Karma & Jalauka Vacharan, Ayurvedic Pain Management, and Maternal Health Care (PGDMHC). Moreover, it offers certificate courses in Upshami Chikitsa-Palliative Care, Apada Prabandhan, Ayurvedic Pain Management, Technical Assistant in Bal Panchkarma, Prasav Vigyan, Ayurveda, and CCPR & First Aid Training, along with an introductory course in Ayurveda.

13. Faculty of Dental Sciences

The Faculty of Dental Sciences offers programs including Bachelor of Dental Surgery (BDS), Master of Dental Surgery (MDS), and Ph.D. Additionally, it provides special courses such as UG Diploma in Dental Mechanic and Dental Hygienist.

14. Faculty of Environment & Sustainable Development

The Faculty of Environment & Sustainable Development offers Master of Science (M.Sc.) programs in Environmental Science, focusing on Earth and Atmospheric Sciences, Ecological Sciences, Environmental Biotechnology, and Ph.D. The minimum duration of M.Sc. programs is 2-years (4-semesters).

15. Faculty of Agriculture

The Faculty of Agriculture offers a range of programs including Bachelor of Science in Agriculture (B.Sc. Ag.) and Master of Science in Agronomy, Agricultural Economics, Plant Physiology, Entomology, Extension Education, Genetics and Plant Breeding, Horticulture, and Soil Science & Agricultural Chemistry; M.Sc./M.Tech. in Dairy Technology, and Food Technology. Additionally, it provides specialized courses like Master of Agri-Business Management (MABM), M.Sc. (Plant Biotechnology), M.Sc. (Agroforestry), M.Sc (Soil Science – Soil and Water Conservation), M.Tech. in Agricultural Engineering (Soil & Water Conservation Engineering), and a Diploma Course in Seed Technology. The minimum duration of B.Sc. (Hons)-Agriculture and M.Sc.-Ag/ M.Tech. programmes is 3-Year (6-semesters) and 2-Year (4-semesters), respectively.

16. Mahila Mahavidyalaya

The Mahila Mahavidyalaya offers Bachelor of Arts [B.A. (Hons.)] and Bachelor of Science (B.Sc. Hons.) programs, along with Master of Science (M.Sc.) options in Home Science and Bioinformatics. Additionally, it provides a Master of Arts (M.A.) in Education and a specialized Diploma Course in Dance focusing on Kathak and Bharatnatyam.

17. Colleges admitted under the privileges of the University

Arya Mahila PG College

Arya Mahila PG College offers Bachelor of Arts [B.A. (Hons.)] and Bachelor of Commerce [B.Com. (Hons.)] programs, as well as Bachelor of Education (B.Ed.). Additionally, it provides a wide array of Master of Arts (M.A.) courses covering Sanskrit, Philosophy, Hindi, AIHC, English, Bengali, Psychology, History, Political Science, Sociology, and Economics. Further, the college offers Master of Commerce (M.Com), Master of Education (M.Ed.), and a part-time UG Diploma course in Computer Application.

Vasant Kanya Mahavidyalaya

Vasant Kanya Mahavidyalaya offers Bachelor of Arts [B.A. (Hons.)] programs and Master of Arts (M.A.) courses in Hindi, English, Home Science, Sociology, Psychology, and Economics. Additionally, it provides Certificate / Diploma / Advanced Diploma courses focusing on Spoken English

Vasanta College for Women (Rajghat)

Vasanta College for Women offers Bachelor of Arts [B.A. (Hons.)], Bachelor of Commerce [B.Com. (Hons.)], and Bachelor of Education (B.Ed.) programs. Additionally, it provides Master of Education (M.Ed.) and Master of Arts (M.A.) degrees in English, Geography, Hindi, Psychology, Economics, and History. The college also offers Certificate / Diploma / Advanced Diploma courses focusing on Tourism and Travel Management.

D.A.V. PG College

At DAV PG College, various programs are offered including Bachelor of Arts (B.A. Hons.) and Bachelor of Commerce [B.Com. (Hons.)]. Additionally, it provides Master of Commerce (M.Com.) and Master of Arts (M.A.) in subjects such as English, Hindi, AIHC & Archaeology, Political Science, Psychology, Sociology, Economics, and History. The college also conducts Certificate, Diploma, and Advanced Diploma Courses in Tourism and Travel Management

18. Rajiv Gandhi South Campus

At Rajiv Gandhi South Campus, various faculties and departments offer a range of courses:

- Faculty of Education: Offers B.Ed. (Under Paid Seats Category)
- Faculty of Ayurveda: Conducts B.Pharm. (Ayurveda) and M.Pharm. (Ayurveda)
- Faculty of Science: Conducts Master of Computer Application (MCA) (Under Paid Seats Category)
- Faculty of Commerce: Administers Bachelor of Commerce (Hons.) (Under Paid Seats Category), a special course - Bachelor of Commerce (Hons.) (Financial Market Management)
- Faculty of Veterinary and Animal Sciences: Offers Bachelor of Veterinary Science and Animal Husbandry (B.V.Sc. & AH)
- Faculty of Arts: Provides specialized courses such as M.A. in Tourism and Travel Management, Diploma Course in Tourism Management (P/T), and PG Diploma in Journalism and Mass Communication. Additionally, it runs vocational courses like B.Voc. in Retail & Logistics Management, Hospitality & Tourism Management, Fashion Technology & Apparel Design, Modern Office Management, Food Processing & Management, and Medical Lab. Technology; as well as M.Voc. in related fields
- Faculty of Management Studies: Conducts a specialized program - MBA in Agri-Business
- Faculty of Agriculture: Offers specialized courses such as B.Sc. (Ag.) and M.Sc. (Ag.) in Agroforestry, Soil Science – Soil and Water Conservation, and Plant Biotechnology
- Faculty of Social Science: Offers a special course - PG Diploma in Counseling & Psychotherapy
- Faculty of Visual Arts: Conducts Diploma and Certificate Courses in Textile Design, within a Special Course of Study
- Faculty of Environment & Sustainable Development: Offers M.Sc. in Environmental Science (Environmental Technology) as a Special Course of Study

7.2. AWARDS OF DEGREE

SL.	NAME OF FACULTY	U.G.	P.G	PH.D.	DIP.	CERT.	M.PHIL	TOTAL
1.	Agriculture	208	262	35	0	0	0	505
2.	Veterinary & Animal Sciences	48	0	0	0	0	0	48
3.	Ayurveda	106	56	33	15	0	0	210
4.	Dental Sciences	39	23	4	0	0	0	66
5.	Medicine	179	47	24	162	0	0	412
6.	Environment & Sustainable Development	0	52	15	0	0	0	67
7.	Management	0	167	21	78	0	0	266
8.	Science	890	1031	217	75	60	0	2273
9.	Arts	2676	1490	267	518	430	0	5381
10.	Commerce	1024	383	41	260	0	0	1708
11.	Education	253	117	21	0	0	0	391
12.	Law	213	261	18	130	0	0	622
13.	Performing Arts	82	74	18	0	0	0	174
14.	Sanskrit Vidya Dharm Vigyan	189	41	15	0	41	0	286
15.	Social Sciences	2003	1150	114	216	0	21	3504
16.	Visual Arts	125	81	15	0	41	0	262
		8035	**5235**	**858**	**1454**	**572**	**21**	**16175**

7.3. STUDENTS STRENGTH

Number of students newly enrolled in academic session 2024-25 in various Institutes / Faculties / Colleges of the University is given below:

Sl.	Name of the Faculties / College	Male	Female	Total
1.	Agricultural Science	366	248	614
2.	Veterinary and Animal Sciences	45	24	69
3.	Environment & Sust. Dev.	20	29	49
4.	Medicine	282	156	438
5.	Ayurveda	85	83	168
6.	Dental Science	45	52	97
7.	Arts	1579	1055	2634
8.	Commerce	735	443	1178
9.	Education	152	153	305
10.	Law	354	116	470
11.	Management St.	193	87	280
12.	Performing Arts	72	99	171
13.	Science	1592	1078	2670
14.	Social Sciences	969	529	1498
15.	Sanskrit Vidya Dharma Vigyan	387	27	414
16.	Visual Arts	108	147	255
17.	Mahila Mahavidyalaya	0	1022	1022
	Total	**6984**	**5348**	**12332**

Number of Students Newly Enrolled in Academic Session 2024-25 in the Colleges admitted to the privileges of the University is given below:

Sl.	Name of the Affiliated College	Male	Female	Total
1.	Vasant Kanya Mahavidyalaya	4	648	652
2.	Arya Mahila PG College	0	1052	1052
3.	Vasanta College for Women	2	1024	1026
4.	DAV PG College	1192	505	1697
	Total	**1198**	**3229**	**4427**

Number of Students Newly Enrolled in Academic Session 2024-25 in the Schools running by the University is given below:

Sl.	Name of the Schools	Total
1.	Central Hindu Boys School	467
2.	Central Hindu Girls School	479
3.	Shri Ranvir Sanskrit Vidyalaya	216
4.	Central Hindu School (Barckachha)	40
	Total	**1202**

Category-wise & Faculty-wise Students Strength

Sl. No.	Name of the Faculties	Total Number of Students in General Category			Total Number of Scheduled Caste Students			Total Number of Scheduled Tribe Students			Total Number of OBC Students			Total Number of Foreign Students			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Faculty of Agricultural Science	476	393	869	179	119	298	105	48	153	408	280	688	97	60	157	1265	900	2165
2	Faculty of Veterinary & Animal Science	50	23	73	18	14	32	13	3	16	98	21	119	0	0	0	179	61	240
3	Faculty of Environment & Sustainable Development	33	51	84	10	5	15	1	4	5	24	27	51	2	0	2	70	87	157
4	Faculty of Medicine	643	338	981	158	70	228	74	46	120	301	157	458	0	0	0	1176	611	1787
5	Faculty of Ayurveda	195	202	397	85	64	149	30	49	79	140	157	297	0	0	0	450	472	922
6	Faculty of Dental Science	67	88	155	30	25	55	11	14	25	61	68	129	0	0	0	169	195	364
7	Faculty of Arts	2148	1247	3395	704	261	965	184	151	335	1522	806	2328	66	47	113	4624	2512	7136
8	Faculty of Commerce	828	485	1313	249	180	429	106	78	184	552	385	937	66	41	107	1801	1169	2970
9	Faculty of Education	161	168	329	65	40	105	22	19	41	145	96	241	2	3	5	395	326	721
10	Faculty of Law	537	230	767	119	48	167	48	26	74	310	93	403	14	13	27	1028	410	1438
11	Faculty of Management Studies	184	102	286	54	23	77	13	8	21	108	50	158	14	3	17	373	186	559
12	Faculty of Performing Arts	124	165	289	38	31	69	21	23	44	64	68	132	12	20	32	259	307	566
13	Faculty of Science	1930	1330	3260	558	400	958	208	136	344	1466	808	2274	102	48	150	4264	2722	6986
14	Faculty of Social Sciences	1307	628	1935	399	168	567	156	86	242	922	437	1359	50	41	91	2834	1360	4194
15	Faculty of SVDV	1054	120	1174	10	6	16	5	0	5	52	35	87	2	0	2	1123	161	1284
16	Faculty of Visual Arts	106	135	241	62	52	114	12	21	33	146	166	312	21	13	34	347	387	734
17	Mahila Mahavidyalaya	0	1484	1484	0	431	431	0	205	205	0	807	807	0	2	2	0	2929	2929
	TOTAL	**9843**	**7189**	**17032**	**2738**	**1937**	**4675**	**1009**	**917**	**1926**	**6319**	**4461**	**10780**	**448**	**291**	**739**	**20357**	**14795**	**35152**

Category-wise Affiliated Colleges Students Strength

Sl. No.	Name of the Affiliated Colleges	Total No. of Students in General Category			Total No. of Scheduled Caste Students			Total No. of Scheduled Tribe Students			Total No. of OBC Students			Total No. of Foreign Students			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Vasant Kanya Mahavidyalaya	2	922	924	1	177	178	0	34	34	1	522	523	0	0	0	4	1655	1659
2	Arya Mahila PG College	0	1247	1544	0	297	297	0	60	60	0	850	850	0	0	0	0	2751	2751
3	Vasanta College for Women	0	1536	1536	0	244	244	0	60	60	2	671	673	0	0	0	2	2511	2513
4	DAV PG College	1831	570	2401	270	73	343	104	23	127	585	189	774	0	0	0	2790	855	3645
	TOTAL	**1833**	**4572**	**6405**	**271**	**791**	**1062**	**104**	**177**	**281**	**588**	**2232**	**2820**	**0**	**0**	**0**	**2796**	**7772**	**10568**

7.4. STUDENTS AMENITIES, SUPPORT & ACTIVITIES

7.4.1. Hostels for Students (Boys)

S.N.	NAME OF HOSTEL	INSTT. / FAC.	NO. OF ROOMS	INTAKE CAPACITY	COMMON ROOM	STORE/ OTHERS
1.	Bal Gangadhar Tilak Hostel	Agriculture	198	396	1	8
2.	S. Radha Krishnan Hostel	Agriculture	120	244	4	4
3.	Birla "A" Hostel	Arts	130	260	3	5
4.	Birla "B" Hostel	Arts	123	123	1	4
5.	Birla "C" Hostel	Arts	131	262	3	2
6.	Lal Bahadur Shastri Hostel	Arts	301	562	1	7
7.	I.N. Gurtu Hostel	Commerce	120	250	1	1
8.	A.B. Hostel (Kamachha)	Education	90	180	1	12
9.	R.P. Hostel (Kamachha)	Education	51	92	1	4
10.	Dhanwantari Hostel	IMS	211	211	1	3
11.	Punarvasu Atreya Hostel	IMS	76	152	1	5
12.	Ruiya Annexe Hostel	IMS	107	214	1	5
13.	Ruiya (Medical) Hostel	IMS	82	250	2	5
14.	Sushruta Hostel (Trauma Centre)	IMS	406	406	2	7
15.	B.R. Ambedkar Hostel	Law	70	70	1	1
16.	Bhagwan Das Hostel	Law	119	246	1	2
17.	Chanakya Hostel	Law	93	186	0	5
18.	Management Hostel	Management	60	120	1	1
19.	Sardar Vallabh Bhai Patel Hostel	Multi Faculty	76	152	2	3
20.	Rewa Kothi	Performing	41	54	3	0
21.	Aravali Boys Hostel	RGSC	205	410	2	6
22.	Himgiri Boys Hostel	RGSC	27	54	0	2
23.	New Boys Hostel 1	RGSC	50	150	1	3
24.	Shivalik Boys Hostel	RGSC	150	450	1	5
25.	Vindhyachal Hostel	RGSC	150	300	1	5
26.	Bhabha Hostel	Science	195	390	1	5
27.	Broacha Hostel	Science	321	650	6	7
28.	C.P.R. Aiyer Hostel	Science	127	243	1	4
29.	Dalmia Hostel	Science	221	442	1	7
30.	Rama Krishna Hostel	Science	125	250	1	2
31.	A.N.D. Hostel	Social Scs.	96	192	1	5
32.	Moona Devi Hostel	Social Scs.	112	224	2	5
33.	Pt. Braj Nath Hostel	Social Scs.	115	186	1	1
34.	Raja Ram Mohan Roy	Social Scs.	228	453	4	8
35.	Ruiya Hostel (Sanskrit Block)	SVDV	76	254	1	4
36.	Ram Kinkar Hostel	Visual Arts	16	37	1	2
	TOTAL		**4,819**	**9,115**	**56**	**155**

7.4.2. Hostels for Students (Girls)

S.N.	NAME OF HOSTEL	INSTT. / FAC.	NO. OF ROOMS	INTAKE CAPACITY	COMMON ROOM	STORE
1.	Rani Lakshmibai Hostel	Agriculture	103	206	2	0
2.	Bhartendu Harishchandra	Arts	45	76	1	2
3.	Florence Nightingale	IMS	35	120	2	13
4.	Kasturba Girls Hostel	IMS	109	194	1	4
5.	Lady Doctors Hostel	IMS	62	98	1	1
6.	Mother Teresa Hostel (Part I & II)	IMS	40	80	1	0
7.	Nagarjuna Girls Hostel	IMS	92	122	1	6
8.	New PG Doctors Hostel	IMS	94	182	2	4
9.	Sukanya Girls Hostel	IMS	35	76	2	1
10.	Jyoti Kunj Hostel	MMV	141	282	1	13
11.	Kirti Kunj Girls Hostel	MMV	65	240	1	1
12.	Kundan Devi Girls Hostel	MMV	74	148	1	2
13.	Pougi House Girls Hostel	MMV	6	22	1	3
14.	Pragya Kunj Girls Hostel	MMV	86	172	1	2
15.	Swasti Kunj Girls Hostel	MMV	50	200	2	1
16.	Naveen Girls Hostel	Multi Faculty	19	108	1	1
17.	Working Women Hostel	Multi Faculty	73	151	2	4
18.	New Girls Hostel 1	RGSC	50	100	1	4
19.	Nilgiri Girls Hostel	RGSC	115	284	2	5
20.	Vindhyavasini Girls Hostel	RGSC	115	230	1	4
21.	Gargi Hostel	Science	53	106	2	7
22.	J C Bose Girls Hostel	Science	92	196	1	7
23.	Kundan Devi Centenary Hostel	Science	144	288	1	15
24.	Maitreyi Girls Hostel	Science	70	140	1	2
25.	Sarojini Naidu Girls Hostel	Science	70	100	2	3
26.	Quarter No. B-1 Girls Hostel	Social Scs.	10	22	1	2
27.	Ganga Girls Hostel	Triveni	87	182	1	1
28.	Godawari Girls Hostel	Triveni	76	152	1	1
29.	Gomti Girls Hostel	Triveni	234	467	1	5
30.	Kaveri Girls Hostel	Triveni	78	156	1	1
31.	Saraswati Girls Hostel	Triveni	92	200	2	2
32.	Yamuna Girls Hostel	Triveni	70	140	1	1
	TOTAL		**2,485**	**5,240**	**42**	**118**

7.4.3. HOSTELS FOR STUDENTS (Foreign)

S.N.	NAME OF HOSTEL	INSTT. / FAC.	NO. OF ROOMS	INTAKE CAPACITY	COMMON ROOM	STORE
1.	International House Complex	International	88	137	1	8
2.	Siddhartha Vihar	International	18	36	1	2
3.	New International Boys Hostel	International	200	400	4	6
4.	New International Girls Hostel	International	200	400	4	6
	TOTAL		**506**	**973**	**10**	**22**

7.4.4. SCHOLARSHIPS AND FELLOWSHIPS

Sl. No.	Name of the Scholarship	Number of Beneficiaries
1.	UGC Research fellowship under 'R' Account – Object Head '31' (A), (B) and (C)	1617
2.	UGC NET JRF in Science and Humanities & Social Sciences	1346
3.	CSIR – JRFs/SRFs	219
4.	CAS/SAP merged Junior Research Fellowship	12
5.	Junior and Senior Research Fellowships in Centre of Experimental Medicine and Surgery Research Laboratory in IMS	9
6.	National Fellowship for SC Students	134
7.	National Fellowship for Persons with Disabilities	7
8.	National Fellowship for Higher Education (NFHE) of ST students	38
9.	Research Fellowship in Centre for the Study of Nepal	2
10.	DBT – JRF/SRF	33
11.	U.P. Rajya Krishi Utpadan Mandi Parishad Scholarship	70
12.	UGC-Dr. D.S. Kothari (Post Doctoral Fellowship)	7
13.	Maulana Azad National Fellowship	12
14.	National Fellowship for OBC	152
15.	CSIR Research Associateship	6
16.	ICAR-SRF/JRF (P.G.)	50
17.	ICMR Fellowship	46
18.	ICPR Fellowship	20
19.	ICHR Fellowship	6
20.	ICSSR Fellowship	127
21.	INSPIRE Fellowship	52
22.	MHA-BPR&D/ISRO's/NACO/MNRE/N.PDF/DAIC	13
23.	National Scholarship	1563
24.	SC/ST/OBC/Gen./Minority Scholarship from the states (U.P.)	4483
25.	DBT-RA	3
26.	Savitribai Jyotirao Phule Single Girl Child Fellowship	11
27.	PMRF Fellowship	20
28.	Sayajirao Gaekwad Fellowship	32
29.	Sri Satya Sai Scholarship	100
	Total	**10190**

Endowed and Non-Endowed Scholarships and Gold Medals under Pratidana initiative

The Pratidana initiative has made substantial progress in providing financial support and recognition to students through its scholarships and awards. The total number of endowed and non-endowed scholarships stands at 340, with the cumulative funds received for this purpose amounting to approximately Rs. 8.21 crores. In addition to scholarships, the initiative has established 4 endowed gold medals, supported by around Rs. 40 lakh.

The combined funds for scholarships and gold medals total Rs. 8.61 crores, reflecting the initiative's commitment to fostering academic excellence. Since its inception, the Pratidana initiative has garnered approximately Rs. 9 crores, which includes the funds allocated for both scholarships and awards.

Details of Awards (Scholarships and Gold Medals) under Pratidana

Endowed Scholarships for UG, PG, Ph.D. Students (Corpus needed Rs. 5.00 lakh; scholarship of Rs. 25000/- per student per year is paid from the interest earned on the corpus)

- Number of Endowed Scholarships - **95**
- Total funds received for setting up endowed scholarships- **Rs. 5.58 Crores** approximately

Non-endowed Scholarships for UG, PG Students (Donor pays an initial amount and thereafter annually/ recoupment basis from time to time; generally under an MoU between the University and the Donor)

- Number of Non-Endowed Scholarships- **245**
- Total funds received for setting up non-endowed scholarships- **Rs. 2.63 Crores** approximately

Endowed Scholarships for CHSG, CHSB and RSV (Corpus needed Rs.1.00 lakh; scholarship of Rs.5000/- per student per year is paid from the interest earned on the corpus)

- Number of Endowed Scholarships - 13
- Total funds received for setting up endowed scholarships- **Rs. 13 lakh** approximately

Endowed Gold Medals (Corpus needed Rs.10 lakh)

- Number of Gold Medals instituted – 4
- Total funds received for setting up endowed Gold Medals- Rs. 40 lakh approximately

Distribution of Scholarships (Non-Endowed & Non-Endowed)

Sl. No.	Institute / Faculty No. of Scholarships	No. of Scholarships
1.	Institute of Agricultural Sciences	67
2.	Institute of Management Studies	1
3.	Institute of Medical Sciences	8
4.	Institute of Science	67
5.	Faculty of Arts	77
6.	Faculty of Commerce	1
7.	Faculty of Law	4
8.	Faculty of Performing Arts	25
9.	Faculty of Social Science	4
10.	Faculty of SVDV	41
11.	Faculty of Visual Arts	22
12.	Faculty Education	2
13.	Mahila Maha Vidyalaya	8
14.	Schools	13
	Total	**340**

7.4.5. UNIVERSITY SPORTS BOARD

The University Sports Board of Banaras Hindu University, established in 1975 under the visionary leadership of Vice-Chancellor Dr. K. L. Shreemali, has remained steadfast in its mission to nurture athletic excellence alongside academic distinction. Originally functioning as the *University Athletic Association*, the Board has evolved into a dynamic institution dedicated to cultivating talent, discipline, and a spirit of sportsmanship among students.

At the heart of its endeavour lies the commitment to provide state-of-the-art training and guidance, facilitated by the expertise of *Assistant and Deputy Directors* and a team of accomplished coaches. Their collective efforts have consistently prepared the University's athletes to perform with distinction at **inter-university, state, national, and international platforms**, thereby bringing laurels to BHU and strengthening its legacy of holistic development.

The academic session 2024-25 stands out as a particularly illustrious chapter in this journey. The University Sports Board not only organized a vibrant array of sporting events on campus but also witnessed remarkable triumphs of its athletes, who secured prestigious honours in diverse competitions. These achievements are a testament to the talent, perseverance, and indomitable spirit of BHU's student community, as well as to the unwavering institutional support that empowers them.

Games and Sports Activities held during the session 2024-25 at the University Sports Board, BHU

- **13/04/2024** - International Hockey Day was celebrated.
- **13/04/2024** - Opening of swimming pool for the session 2024-25.
- **18/04/2024 to 20/04/2024** - University Sports Board organized BHU Inter Faculty Tennis Cricket (Men) Tournament.
- **03/05/2024 to 08/05 /2024** - University Sports Board organized BHU Inter Faculty Tennis Cricket (Women) Tournament.
- **15/05/2024 to 14/06/2024** - "Summer Coaching Camp" (i.e. Badminton, Hockey, Cricket, Volleyball, Basketball, Athletics, Wrestling, Weight Lifting, and Swimming)

for children aged 08 to 14 Years was conducted.

- **05/06/2024** - University Sports Board organized "Friendly Cricket Match" between Vice-Chancellor XI vs. Registrar XI.
- **21/06/2024** - University Sports Board, Banaras Hindu University celebrated Yoga Day on the occasion of International Yoga Day.
- **21/06/2024** - University Sports Board, Banaras Hindu University conducted One Week Aqua Yoga Workshop at the Swimming Pool with all the swimming pool registered members on the occasion of International Yoga Day.
- **12/08/2024** - University Sports Board organised a program "Ek Ped Maa ke Naam".
- **15/08/2024** - University Sports Board celebrated 78th Independence Day.
- **24/08/2024 to 29/08/2024** – On the Birth Anniversary of Dada Major Dhyanchand and the occasion of National Sports Day, BHU Sports Week were organised in various Sports like Hockey, Swimming, Wrestling, Athletics, Football, Table Tennis, Tug of War, Beach Volleyball and Badminton.
- **23/09/2024 to 27/09/2024** - University Sports Board organized BHU Inter Faculty Basketball (Men) Tournament.
- **25/09/2024 to 26/09/2024** - University Sports Board organized BHU Inter Faculty Table Tennis (Men) Tournament.
- **26/09/2024 to 27/09/2024** - University Sports Board organized BHU Inter Faculty Table Tennis (Women) Tournament.
- **23/09/2024 to 27/09/2024** - University Sports Board organised BHU Inter Faculty Basketball (Men) Tournament.
- **28/09/2024 to 04/10/2024**- University Sports Board organized BHU Inter Faculty Basketball (Women) Tournament.
- **01/10/2024** - University Sports Board organised BHU Inter Faculty Cross Country (Men & Women) Tournament.
- **14/10/2024** - University Sports Board organised BHU Inter Faculty Handball (Men) Tournament.
- **15/10/2024 to 16/10/2024** - University Sports Board organised BHU Inter Faculty Badminton (Men) Tournament.
- **17/10/2024 to 18/10/2024** - University Sports Board organised BHU Inter Faculty Badminton (Women) Tournament.
- **17/10/2024 to 19/10/2024** - University Sports Board organised BHU Inter Faculty Volleyball (Women) Tournament.
- **22/10/2024 to 23/10/2024** - Inter Faculty Aquatics (Men & Women) Championship.
- **24/10/2024** - University Sports Board organised BHU Inter Faculty Volleyball (Men) Tournament.
- **25/10/2024** - University Sports Board organised BHU Inter Faculty Kabaddi (Women) Tournament.
- **12/11/2024 to 14/11/2024** - University Sports Board organized BHU Inter Faculty Chess (Men & Women) Tournament.
- **12/11/2024 to 14/11/2024** - University Sports Board organized BHU Inter Faculty Handball (Women) Tournament.
- **25/11/2024 to 27/11/2024** - University Sports Board organized Inter Faculty Yoga (Men & Women) Championship.
- **16/01/2025 to 22/01/2025** - University Sports Board organized Inter Faculty Cricket (Men) Tournament.
- **17/01/2025 to 18/01/2025** - University Sports Board organized Inter Faculty Football (Women) Tournament.
- **21/01/2025 to 23/01/2025** - University Sports Board organized Inter Faculty Kabaddi (Men) Tournament.
- **08/03/2025 to 11/03/2025** - University Sports Board organized Paralympics Games -2025.
- **24/03/2025 to 26/03/2025** - University Sports Board organized Inter Faculty Beach Volleyball Championship.
- **02/04/2025 to 05/04/2025** - University Sports Board organized Inter Faculty Football (Men) Tournament.
- **07/04/2025 to 09/04/2025** - University Sports Board organized Inter Faculty Athletics Tournament.
- One month "Summer Coaching Camp" in various sports like Cricket, Hockey, Volleyball, Basketball, Badminton, Athletics, Wrestling, Swimming and Weight-Lifting, were organized.

Sports Competitions Organized during the session 2024-25 by the University Sports Board, BHU

- 18/04/2024 to 20/04/2024- Organized Inter Faculty Tennis Cricket (Men) Tournament.
- 03/05/2024 to 08/05/2024- Organized Inter Faculty Tennis Cricket (Women) Tournament.

- 23/09/2024 to 27/09/2024- Organised Inter Faculty Basketball (Men) Tournament.
- 25/09/2024 to 26/09/2024- Organized Inter Faculty Table Tennis (Men) Tournament.
- 26/09/2024 to 27/09/2024- Organised Inter Faculty Table Tennis (Women) Tournament.
- 23/09/2024 to 27/09/2024- Organised Inter Faculty Basketball (Men) Tournament.
- 28/09/2024 to 06/10/2024- Organised Inter Faculty Basketball (Women) Tournament.
- 01/10/2024 - Organized Inter Faculty Cross Country (M&W) Tournament.
- 14/10/2023 to 18/10/2024- Organized Inter Faculty Handball (Men) Tournament.
- 15/10/2024 to 16/10/2024- Organized Inter Faculty Badminton (Men) Tournament.
- 17/10/2024 to 18/10/2024- Organised Inter Faculty Badminton (Women) Tournament.
- 17/10/2024 to 19/10/2024- Organised Inter Faculty Volleyball (Women) Tournament.
- 22/10/2024 to 23/10/2024- Organised Inter Faculty Aquatics (M&W) Championship.
- 24/10/2024 to 27/10/2024- Organised Inter Faculty Volleyball (Men) Tournament.
- 25/10/2024 to 26/10/2024- Organised Inter Faculty Kabaddi (Women) Tournament.
- 12/11/2024 to 14/11/2024- Organised Inter Faculty Chess (M&W) Tournament.
- 12/11/2024 to 14/11/2024- Organised Inter Faculty Handball (Women) Tournament.
- 25/11/2024 to 27/11/2024- Organised Inter Faculty Yoga (M&W) Championship.
- 16/01/2025 to 22/01/2025- Organised Inter Faculty Cricket (Men) Tournament.
- 17/01/2025 to 18/01/2025- Organised Inter Faculty Football (Women) Tournament.
- 21/01/2025 to 23/01/2025- Organised Inter Faculty Kabaddi (Men) Tournament.
- 08/03/2025 to 11/03/2025- Organised Paralympics Games - 2025.
- 24/03/2025 to 26/03/2025- Organised Inter Faculty Beach Volleyball Championship.
- 02/04/2025 to 05/04/2025- Organised Inter Faculty Football (Men) Tournament.
- 07/04/2025 to 09/04/2025- Organised Inter Faculty Athletics Tournament.
- In celebration of International Women's Day, events (Badminton, Musical Chair, Slow Cycle Race, Table Tennis, and Tug of War) were organized by University Sports Board, Banaras Hindu University on 08/03/2025.
- Well Being Services Cell (Well Being Services Cell) successfully organised the Run for Equality on 22/03/2025, at the University Sports Board.

Specific Coaching camps organized in various competition of EZIU/NEZIU/Inter Zonal/All India Inter University

1. East Zone Inter University Badminton (W) team.
2. East Zone Inter University Basketball (M&W) team.
3. East Zone Inter University Volleyball (M&W) team.
4. East Zone Inter University Table Tennis (M) team.
5. East Zone Inter University Kabaddi (W) team.
6. East Zone Inter University Hockey (M) team.
7. East Zone Inter University Kho-Kho (M&W) team.
8. East Zone Inter University Weightlifting (M) team.
9. East Zone Inter University Chess (M&W) team.
10. East Zone Inter University Cricket (M) team.
11. East Zone Inter University Handball (M) team.
12. East Zone Inter University Badminton (M) team.
13. Central Zone Inter University Football (M) team.
14. North East Zone Inter University Aquatic (M&W) team.
15. North East Zone Inter University Karate (M&W) team.
16. All India Inter University Taekwondo (M&W) team.
17. All India Inter University Cross Country (M) team.
18. All India Inter University Boxing (M&W) team.
19. All India Inter University Athletics (M&W) team.
20. All India Inter University Aquatics (M&W) team.
21. All India Inter University Yoga (M&W) team.
22. All India Inter University Archery (M&W) team.
23. All India Inter University Greco Roman Wrestling (M) team.
24. All India Inter University Shooting (Pistol) (M&W) team.
25. All India Inter University Shooting (Rifle) (M&W) team.
26. All India Inter University Squash Racket (M) team.

27. All India Inter University Wushu (M&W) team.
28. All India Inter University Kick-Boxing (M &W) team.
29. All India Inter University Cricket (W) team.
30. All India Inter University Karate (M&W) team.
31. All India Inter University Power-lifting (M) team.
32. 63rd Sr. U.P. State Basketball (M) team.
33. Inter Zone Inter University Basketball (W) team.
34. Mahant Awaidhyanaath Volleyball (M) team.

Participation of BHU Teams in State/East/North-East/Central Zone Inter University Tournaments for the Session 2024-25

1. East Zone Inter University Badminton (W) Tournament held from 22/10/2024 to 25/10/2024 at Sambalpur University, Burla, Odisha.
2. East Zone Inter University Basketball (M) Tournament held from 22/11/2024 to 25/11/2025 at Kalinga Institute of Social Science (KISS), Bhubaneswar.
3. East Zone Inter University Volleyball (W) Tournament held from 06/09/2024 to 09/09/2024 at Kalinga Institute of Social Science (KISS), Bhubaneswar.
4. East Zone Inter University Badminton (M) Tournament held from 06/11/2024 to 10/11/2025 at National Sports University, Imphal, Manipur.
5. East Zone Inter University Volleyball (M) Tournament held from 19/11/2024 to 23/11/2024 at MSCB University, Baripada, Odisha.
6. East Zone Inter University Table Tennis (M) Tournament held from 13/11/2024 to 16/11/2024 at The Assam Royal Global University, Guwahati.
7. East Zone Inter University Kabaddi (W) Tournament held from 12/11/2024 to 14/11/2024 at Pandit Ravishankar Shukla University, Raipur Chhattisgarh.
8. East Zone Inter University Hockey (M) Tournament held from 19/11/2024 to 24/11/2024 at Sambalpur University, Sambalpur, Odisha.
9. East Zone Inter University Kho-Kho (M) Tournament held from 03/12/2024 to 06/12/2024 at Fakir Mohan University, Vyasa Vihar, Balasore, Odisha.
10. East Zone Inter University Basketball (W) Tournament held from 26/12/2024 to 30/12/2024 at B.R.A. Bihar University, Muzaffarpur, Bihar.
11. East Zone Inter University Shooting (M&W) Tournament held from 08/01/2025 to 18/01/2025 at Punjab University, Chandigarh.
12. East Zone Inter University Weightlifting (M) Tournament held from 11/01/2025 to 12/01/20205 at Lovely Professional University, Jalandhar.
13. East Zone Inter University Chess (M) Tournament held from 03/02/2025 to 08/02/2025 at Sarala Birla University (SBU), Ranchi, Jharkhand.
14. East Zone Inter University Kho-Kho (W) Tournament held from 06/02/2025 to 08/02/2025 at Vinoba Bhave University, Hazaribag, Jharkhand.
15. East Zone Inter University Cricket (M) Tournament held from 11/02/2025 to 20/02/2025 at KIIT Bhubaneswar.
16. East Zone Inter University Chess (W) Tournament held from 25/02/2025 to 28/02/2025 at Atal Bihari Vajpayee University, Bilaspur, Chhattisgarh.
17. East Zone Inter University Handball (M) Tournament held from 16/03/2025 to 18/03/2025 at KIIT University, Bhubaneswar.
18. Central Zone Inter University Football (M) Tournament held from 22/11/2024 to 28/11/2024 at Chhatrapati Sahu Ji Maharaj University, Kanpur.
19. North East Zone Inter University Aquatics (M&W) Tournament held from 28/11/2024 to 30/11/2024 at Kalinga Institute of Social Science (KISS), Bhubaneswar.
20. North East Zone Inter University Karate (M&W) Tournament held from 01/12/2024 to 05/12/2024 at Chandigarh University, Mohali, Punjab.
21. 63rd Sr. UP State Basketball (M) Tournament held from 18/11/2024 to 24/11/2024 at CHS Gurukulam, Mohanpuram, Kanpur.

Participation of BHU Team in All India/Inter Zonal Inter University Tournaments 2024-25

Sports Name	Category	Date	Name of University
All India	Taekwondo (M & W)	12/11/2024 to	Gurunanak Dev

		15/11/2024	University , Amritsar.
All India	Cross Country (M)	18/11/2024 to 19/11/2024	Mangalore University, Karnataka
All India	Boxing (W)	18/12/2024 to 24/12/2024	Guru Kashi University, Bathinda, Punjab
All India	Boxing (M)	26/12/2024 to 02/01/2025	Guru Kashi University, Bathinda, Punjab
All India	Athletics (M&W)	26/12/2024 to 30/12/2024	KISS University, Bhubaneswar
All India	Aquatics (M&W)	25/12/2024 to 27/12/2024	SRM Institute of Science and Technology, Chennai
All India	Yoga (M&W)	24/12/2024 to 28/12/2024	KIIT Bhubaneswar, Odisha
All India	Archery (M&W)	24/12/2024 to 27/12/2024	KIIT Bhubaneswar, Odisha
All India	Wrestling (M)	04/01/2025 to 08/01/2025	Guru Kashi University, Bathinda, Punjab
All India	Karate (M&W)	15/01/2025 to 18/01/2025	MDU, Rohtak, Haryana
All India	Shooting (M&W)	08/01/2025 to 18/01/2025	Punjab University, Chandigarh
All India	Squash Racket (M)	18/02/2025 to 20/02/2025	Somaiya University, Mumbai
All India	Wushu (W)	22/02/2025 to 27/02/2025	Chandigarh University, Mohali, Punjab
All India	Kick-Boxing (W)	11/02/2025 to 13/02/2025	Guru Kashi University, Bathinda , Punjab
All India	Kick-Boxing (M)	20/03/2025 to 25/03/2025	Swami Vivekanand Subharti University, Meerut, UP
All India	Power-lifting (M)	04/4/2025 to 07/04/2025	University of Kashmir, Hazratbal, Srinagar
Inter Zonal	Basketball (W)	03/03/2025 to	Kurukshetra University,
		08/03/2025	Kurukshetra, Haryana

Remarkable Achievement by University Sports Board BHU – 2024-25

Name of the Achievement	State / National / International / Inter University	Sports
3rd Place	E.Z.I.U.	Basketball
Selected in Senior National Team	National	Volleyball
Selected in Senior National Team	National	Volleyball
Selected in Senior National Team	National	Volleyball
National Games	National	Volleyball
National Games	National	Volleyball
Bronze	N.E.Z.I.U.	Karate
Bonze	National	Shooting
Gold (120 Wight Category)	National	Power-lifting
Gold (59 Weight Category)	National	Power-lifting
Selected in Combined Indian University	International	Cricket
Selected for Vizzy Trophy	National	Cricket
Selected for Vizzy Trophy	National	Cricket
All India 2nd Place	National	Kick-Boxing
All India 3rd Place	National	Kick-Boxing
All India 2nd Place	National	Kick-Boxing(W)
All India 3rd Place	National	Kick-Boxing(W)
2nd Place in Kick-Boxing World-Cup	International	Kick-Boxing(W)
1st Place	UP State Under-20 Wrestling Championship	Wrestling
2nd Place	N. E.Z.I.U.	Wrestling
3rd Place	Khelo India University	Wrestling
3rd Place	UP State Under-23	Wrestling
3rd Place	Senior UP State-2024	Wrestling
3rd Place	Senior UP State-2025	Wrestling
6th Place	N.E.Z.I.U.	Wrestling
6th Place	A.I.I.U. Tournament	Wrestling
5th Place	N.E.Z.I.U.	Wrestling
1st Place	UP State Under-20	Wrestling

8th Place	A.I.I.U. Tournament	Wrestling
Qualify for A.I.U.	A.I.I.U. Athletics	Athletics
Qualify for UP State Athletics Competition	UP State	Athletics
Qualify for A.I. Cross Country Competition	A.I.I.U	Cross Country
Gold Medal in Diving	Senior Open National	Diving
Participation	Senior Open National	Swimming
Participation	Senior Open National	Swimming
2nd Place	UP State	Swimming
Participation	Junior National	Swimming
Participation	Junior National	Swimming
Participation	Junior National	Swimming
3rd Place	Senior State UP	Swimming
Participation	Senior Open	Swimming
Participation	Senior Open National	Swimming
Participation	Senior Open National	Swimming
Participation	Senior Open National	Swimming
Participation	Senior Open National	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming
Qualify for All India	North East Zone	Swimming

Khelo India Games (Remarkable Achievements)

- Shubham participated in Khelo India University Wrestling (M) in 2024.
- Rohan Yadav participated in Khelo India University Wrestling (M) in 2024.
- Dinesh Yadav secured 3rd and 4th Place in Khelo India University Games.
- Rohan Yadav secured 2nd Place in Khelo India University Games.

Up gradation / Development of Sports Infrastructure & Facilities

- Up gradation of the swimming pool facilities for the BHU students, staffs and their wards.
- Purification system of both the swimming pools (Old & New Pool) has been upgraded, new machines has been installed.
- Outlet System in old pool filtration plant.

Achievements of Assistant Directors, University Sports Board

- ❖ Dr.Vaibhav Rai appointed as Head Coach of Indian University Team Cricket against Australian University Team in bilateral International Series held at D.Y. Patil Stadium Navi Mumbai and Kit Bhubaneswar from 20/12/2024 to 06/01/2025.
- ❖ Dr.Vaibhav Rai appointed as a Selector & Manager of East Zone Vizzy Trophy (Organised By BCCI) held at Agartala from 07/03/2025 to 16/03/2025.
- ❖ Indian Weightlifting Federation has appointed Dr. Pramod Yadav, Assistant Director of USB, BHU, as the National Coach of weight-lifting.
- ❖ Dr. Robin Kumar Singh, Assistant Director at the University Sports Board, Banaras Hindu University, has been appointed as the Head Coach of the Uttar Pradesh Beach Volleyball team for the 38th National Games 2025, which were held in Uttarakhand.
- ❖ Dr. Hariram Yadav, an international coach serving as Assistant Director at the University Sports Board, Banaras Hindu University, was appointed as the coach of the Indian wrestling team for the "Asian Wrestling Championship" by the Wrestling Federation of India. Under his leadership, the Indian U-17 wrestling team made history by winning 9 Medals (8 Gold and 1Silver), bringing pride to the nation and securing the top position. This championship was held in the capital of Oman, Jordan*, from June 22 to 26, 2024.
- ❖ Dr. Kavita Verma Asst. Dirctor USB has been appointed as the selector of Uttar Pradesh Varanasi Zonal Sub-Junior and Junior Boys & Girls team.
- ❖ Dr. Kavita Verma has been appointed as the coach and accompany the team for Uttar Pradesh Varanasi Zonal Sub-Junior and Junior Boys & Girls Swimming team for the Samnvaya and UP Open State

Championship. Under her leadership in UP Samnvaya State Swimming Championship 02 Gold, 05 Silver & 06 Bronze Medal were won. Swimmers has been selected for the Open National Swimming Championship.

- Dr. Robin Kumar Singh, Assistant Director at U.S.B. has been appointed as the Assistant Head Coach of Uttar Pradesh Pro-Volleyball League.
- Dr. Dhirendra Tiwari became a member of the Executive Committee of the Uttar Pradesh Basketball Association."
- Dr. Dhirendra Tiwari was appointed as Technical Chairman for the first "UP Men Basketball Professional League".

Achievements of University Sports Board Team & candidates

- **Aditi Singh**, a national-level volleyball player and student of Banaras Hindu University, and **Anuj Kumar Singh**, an international volleyball player, have been selected for the Bihar State Senior National Team, while **Rajesh Singh**, a national-level volleyball player, has been selected for the Chhattisgarh State Senior National Team.
- Two BHU Students, **Abhay Tiwari** and **Ashutosh Yadav,** selected for Uttar Pradesh Beach Volleyball Team for National Games 2025.
- The BHU Basketball Women's team triumphed over Ranchi University in the Quarter Final match with a score of 48-19, marking their third consecutive year of qualification for the All India Inter University Tournament 2024.
- The BHU Women's Basketball team emerged with a **Bronze medal** at the East Zone Inter University Basketball Women Tournament 2024.
- BHU Student **Aditya Sahani** BA 2nd Year and **Atul Raj** BA 2nd year won the medal at UP Open State Aquatic Championship and Bihar Open State Swimming Championship and represented in the Senior Open National Aquatic Championship.
- **Aditya Tiwari,** a power-lifting athlete and a student at BHU, Varanasi, won a gold medal in the Uttar Pradesh State Power-lifting Championship. Aditya has also been selected for the National Power-lifting Championship.
- **Aditya Tiwari and Pranav Narayan Dwivedi,** power-lifting athletes and students at Banaras Hindu University, Varanasi, participated in the Subrata Classic Power-lifting Nationals Championship. Aditya won a silver medal and Pranav secured a gold medal.
- **Yashovardhan Singh,** a third-year B.A. student from the Faculty of Arts, has been selected for the Indian University Cricket Team.
- **Divyanshu Anand,** a student at BHU, won a silver medal in the squat event, a gold medal in the bench press event, and a bronze medal overall in classic power-lifting.
- The men's and women's karate teams of Banaras Hindu University (BHU) **qualified for the All India Championship** and secured a bronze medal in the North East Zone competition.
- In the three-day State-Level Senior Women's Volleyball Tournament held in Chitrakoot, BHU students **Iccha Kumari and Preeti** delivered outstanding performances, helping the Varanasi division clinch the championship title.
- **Yashovardhan Singh,** a Student of Banaras Hindu University and captain of BHU cricket team also a Vice-Captain of North Zone in Vijay Trophy organized by BCCI, was selected in the UP T20 League organized by Uttar Pradesh Cricket Association today on 28 July 2024 in Lucknow and was bought by Kashi Rudra for Rs. 5,80,000.
- **Divyanshu Anand,** an international athlete and student of Banaras Hindu University, Varanasi, won **a gold medal** in Equipped Bench Press, and a **bronze medal** in Bench Press, while also participating in Classic Power-lifting at the Commonwealth Equipped and Classic Sub-Junior, Junior Power-lifting and Equipped and Classic Sub-Junior, Junior, Senior, and Master Bench Press Championship.

7.4.6. HEALTH CARE

The University Students Health Care Complex at Banaras Hindu University stands as a cornerstone of student welfare, dedicated to ensuring the holistic well-being of both residential scholars and day students. Conceived as a robust and adaptable healthcare system, the Complex

provides round-the-year medical services, pausing only on designated holidays, and operates in close alignment with the schedule of the University's flagship institution, Sir Sunderlal Hospital (SSH).

Its mandate extends far beyond routine care, encompassing a wide array of facilities designed to safeguard and promote student health. Among its principal services are:

- **Clinical Care**: Comprehensive day-to-day consultation and treatment, addressing the diverse medical needs of the student community.

- **Diagnostic and Laboratory Services**: A spectrum of preventive and investigative testing, ensuring timely diagnosis and effective management of health concerns.

- **Auxiliary Services**: Provision of medical fitness certifications, facilitation of emergency medicine procurement, and processing of medical claim reimbursements for inpatient care.

In fulfilling these roles, the Health Care Complex does not merely function as a medical facility but as a guardian of student vitality and resilience. By integrating preventive, curative, and supportive care, it fortifies the University's commitment to fostering a healthy academic environment, where students can pursue intellectual and personal growth unencumbered by health-related impediments.

7.4.7. NATIONAL SOCIAL SERVICES

The spirit of student involvement in national service finds its philosophical roots in the ideals of Mahatma Gandhi, who envisioned the youth as active custodians of social responsibility. Guided by this vision, the National Service Scheme (NSS) was established at Banaras Hindu University in 1969, and since then it has blossomed into one of the largest student-driven movements in India, embodying the ethos of service, peace, and nation-building.

Over the last five decades, the NSS at BHU has evolved into a vibrant platform that unites students under the shared commitment of national development and social transformation. Through its wide-ranging initiatives—spanning community engagement, environmental stewardship, literacy drives, health awareness campaigns, and disaster relief efforts—the Scheme has become a beacon of youth empowerment.

Beyond its tangible contributions, NSS nurtures within students a profound sense of civic duty**,** compassion, and social justice, shaping them into responsible citizens who transcend narrow boundaries to embrace national unity and global harmony. Its work resonates not only within the Indian context but also carries the spirit of universal peace and service to the international stage.

In its essence, NSS at BHU is more than an organizational framework; it is a movement of conscience and action, where the idealism of youth is transformed into a force of constructive change, in faithful alignment with the Gandhian vision of a just and humane society.

7.4.8. NATIONAL CADET CORPS

The National Cadet Corps (NCC) Group 'A' Headquarters was formally established at Banaras Hindu University on 14 February 1963, marking a significant milestone in the University's commitment to fostering discipline, leadership, and national service among its students. Over the decades, the Group has expanded into a robust network comprising nine units, of which five are based on the BHU campus, while the remaining extend their presence across Ballia, Ghazipur, and Mughalsarai, thereby widening the reach and impact of the Corps in the region.

A particularly distinguished unit within this framework is the 2 UP EME Company NCC, originally raised under the auspices of the Banaras Engineering College (BENCO) on 5 August 1921. This historic unit stands as a living testimony to the deep-rooted association of BHU with the ideals of patriotism, discipline, and service to the nation.

Since its establishment, the NCC Group 'A' at BHU has been guided by the leadership of **28 Group Commanders**, each contributing to its growth and prestige. As of **25 September 2023**, the mantle of leadership rests with **Brigadier**

Kulbir Singh, who continues to uphold and advance the Corps' noble mission of molding youth into dedicated citizens and future leaders.

The NCC at BHU remains more than a training program—it is a crucible of character formation, where values of courage, unity, and selfless service are instilled in young minds, ensuring that they stand prepared to serve the nation with integrity and resolve.

NCC Coverage

The Group Headquarters operates within BHU and extends NCC coverage to several districts, including Varanasi, Chandauli, Ghazipur, Ballia, and Mau. It encompasses a total of 10738 cadets across four universities, 41 schools, and 71 inter-colleges/degree colleges. The team supporting these cadets includes:

- 16 Commissioned Officers
- 35 Junior Commissioned Officers
- 90 Non-Commissioned Officers
- 52 Senior Division Associate NCC Officers
- 20 Junior Division Associate NCC Officers
- 115 civilian staff

Achievements

In the past year, the Group has marked several notable achievements:

1. **Combined Annual Training Camps (CATCs)**: The Group successfully conducted **11 CATCs**, providing training to **5,182 cadets**.
2. **Ek Bharat Shreshtha Bharat (EBSB) Camp**: **630 cadets** participated in this prestigious national-level camp.
3. **International Day of Yoga**: On **21 June**, **2,460 individuals** participated in the celebrations organized by the Group.

Honours and Awards

Several cadets from the Group have distinguished themselves with awards and accolades:

- **SUO Amritanshu Singh** received the **Maj SL Dar Silver Medal** at BHU.
- **Cdt Vedanta Gautam** was honoured with a **Gold Medal** by the **Governor of Uttar Pradesh**.
- **Cdt Tanvi Srivastava** received **DGNCC Commendation Card**.
- **Cdr. Anjali Maurya** lead the Naval Girls Contigent of NCC both during Republic Day Parade and PM Rally.
- **Nine** participated in Republic Day Parade at New Delhi

Visits and Inspections

Notable inspections and visits to the NCC Group 'A' Headquarters include:

- **Rear Admiral Manish Sharma**, ADG 'B' DG NCC, New Delhi, inspected the 7 Naval Unit NCC, Varanasi, from 11-14 April 2024.
- **Brig. S A Usman,** SC DDG, NCC Dte (UP), Lucknow, inspected NCC Gp HQ 'A', BHU, on 29 November 2024.

7.4.9. CITY DELEGACY

The City Delegacy of Banaras Hindu University serves as a unique institutional mechanism dedicated to the registration, guidance, and welfare of day-scholars, thereby extending the University's nurturing ecosystem beyond its residential framework. Conceived with the vision of ensuring both academic progression and holistic personal development, the Delegacy attends not only to the scholarly pursuits of students but also to their physical well-being, moral grounding, and cultural enrichment
.
To effectively cater to students from diverse regions of the city, the Delegacy is organized into five distinct units:

- **East Delegacy**
- **West Delegacy & B.L.W. Delegacy**
- **North Delegacy**
- **South & Ramnagar Delegacies**
- **Mahila Mahavidyalaya Unit** (exclusively for female students)

These units function as accessible nodal points, ensuring that the multifaceted needs of day-scholars are addressed with efficiency and sensitivity. The Delegacy offers a wide spectrum of facilities, including sports infrastructure**,** preparatory magazines for competitive examinations, and access to newspapers in both Hindi and English, thereby fostering intellectual growth and competitive spirit.
A distinctive hallmark of the Delegacy's cultural and co-curricular engagement is **UNMESH**, the

annual celebration of student talent. This vibrant festival provides a dynamic platform for day-scholars to exhibit their prowess in sports, literary, and cultural competitions, encouraging creativity, confidence, and camaraderie. In doing so, the City Delegacy not only supplements the academic journey of students but also ensures that their university experience is enriched with opportunities for holistic growth and personal excellence.

7.4.10. AIR STRIP AND HELIPAD

In its enduring commitment to fostering the all-round development of students, Banaras Hindu University holds the distinction of possessing its own Air Strip and Helipad within the campus precincts—an infrastructural asset rarely found in Indian universities. These facilities serve not only as symbols of the institution's visionary approach but also as functional spaces for technical training of national significance, conducted in close collaboration with the 7 UP Air Squadron.

Through this initiative, a large number of students and cadets—both junior and senior—receive rigorous, hands-on training that extends far beyond the classroom. The engagement with aviation practices and related technical disciplines cultivates discipline, resilience, and leadership, while simultaneously nurturing a multifaceted personality equipped to meet the challenges of a dynamic world. In this way, the Air Strip and Helipad stand as living embodiments of the University's dedication to holistic education, seamlessly integrating academic pursuit with practical skill, character-building, and national service.

7.4.11. COUNSELLING AND STRESS MANAGEMENT

Banaras Hindu University accords paramount importance to the mental, emotional, and personal well-being of its students, recognizing that true education extends beyond the boundaries of classrooms and laboratories. To this end, the University has established a dedicated **Counseling Cell**, staffed by professionally trained psychologists and experienced psychiatrists, who provide individualized guidance and support to help students navigate the academic pressures, personal challenges, and emotional stresses inherent in university life.

In alignment with its vision of holistic student welfare, BHU has implemented the **Student Well-Being Initiative**, a comprehensive program aimed at fostering overall wellness. This initiative integrates academic support, psychological counseling, and interventions to strengthen emotional, physical, and mental health, thereby ensuring that students are nurtured as complete individuals.

Complementing this effort, the University has also introduced the Student Leadership and Life Skills Development Initiative. This program is designed to cultivate essential leadership attributes, interpersonal competencies, and life skills, while simultaneously promoting positive attitudes, professional growth, and personal enrichment. Through structured activities and training, the initiative empowers students to emerge as confident, socially responsible, and future-ready leaders.

To facilitate seamless access to these services, helpline numbers—both mobile and landline—have been widely circulated among the student body, ensuring that support remains only a call away. The system of care is further strengthened through a collaborative monitoring framework, wherein peers, wardens, and faculty members work together to identify students showing signs of psychological strain or distress. Once identified, such students are promptly contacted through diverse channels, including phone calls, emails, and social media, and are invited for **in-**person counseling sessions at the Counseling Cell. Here, they receive professional, compassionate, and tailored interventions, designed to address their unique circumstances with discretion and sensitivity.

Together, these initiatives embody BHU's unwavering commitment to **student-centric education**, ensuring that every learner is supported not only in academic pursuit but also in the journey of personal growth, resilience, and holistic development.

7.4.12. CAREER GUIDANCE TRAINING AND PLACEMENT CELL (CGTPC)

The Career Guidance, Training, and Placement Cell (CGTPC) of Banaras Hindu University serves as a vital interface between the world of academics and the professional domain. Its mandate extends beyond the conventional role of placement facilitation, encompassing the holistic preparation of students for successful and fulfilling careers.

During the academic session 2024-25, the CGTPC undertook a wide spectrum of activities aimed at enhancing employability, professional readiness, and industry alignment. A series of placement drives were successfully organized, attracting reputed organizations from diverse sectors and providing students with valuable opportunities to secure placements across industries.

In addition to placements, the Cell convened numerous training workshops, career counseling sessions, and interactive industry engagements, designed to equip students with the essential skills, knowledge, and confidence required to thrive in competitive professional environments. These programs emphasized both technical competencies and soft skills, ensuring that students were prepared to adapt to the evolving demands of the job market.

By fostering collaborations with industry leaders, alumni networks, and domain experts, the CGTPC continues to play a transformative role in shaping the professional trajectories of BHU graduates, thereby strengthening the University's reputation as a premier institution that not only imparts knowledge but also ensures meaningful career outcomes for its students.

Placement Drives and Collaborations

The Career Guidance, Training, and Placement Cell (CGTPC) of Banaras Hindu University plays a pivotal role in bridging the gap between academic learning and professional opportunities. Its mission extends beyond placements, encompassing the holistic preparation of students through training, counseling, and industry engagement.

During the academic session 2024-25, the Cell demonstrated remarkable effectiveness by organizing and coordinating an impressive number of placement activities. The CGTPC conducted **107 placement drives independently**, while also collaborating with various faculty-level placement cells to organize an additional **24 drives**. Furthermore, faculty placement cells arranged **46 drives** at their own level. Collectively, the University oversaw a total of **177 placement drives**.

These extensive efforts witnessed the participation of about **5,000 students**, of whom about **955 students successfully secured placements** through both on-campus and off-campus recruitment processes. Notably, about **646 students were placed through the independent efforts of CGTPC**, while **298 students received internship offers**, underscoring the Cell's commitment to expanding opportunities not only for employment but also for professional training and career development.

By engaging reputed recruiters and fostering collaborations with industry leaders, the CGTPC continues to play a transformative role in shaping the career trajectories of BHU students, ensuring that graduates are well-prepared to meet the demands of a dynamic and competitive professional landscape.

Summary of Placement Drives

S. No	Organizing Body	No. of Drives	Total Students Participated	Total Selected
1	CGTPC	107	2,426	646
2	Faculty Placement Cells in collaboration with CGTPC	24	742	115
3	Faculty Placement Cells	46	1,800	155
4	Off-Campus	-	-	39
	Total	177	4,968	955

Training and Skill Development Initiatives

Committed to enhancing student employability, the Cell not only facilitates recruitment but also undertakes sustained efforts to prepare students

for the challenges of a rapidly evolving job market. In parallel with recruitment activities, CGTPC placed a strong emphasis on skill development and professional readiness. To this end, it organized **22 training workshops and interactive sessions**, equipping students with essential competencies for excelling in competitive industries. Additionally, the Cell convened **32 meetings with Student Placement Coordinators**, thereby streamlining the placement process and ensuring seamless communication between students and recruiters.

Major Recruiters

A diverse spectrum of leading organizations visited the BHU campus during the 2023–24 placement season, offering students opportunities across industries such as **education, finance, technology, healthcare, and retail**. The presence of such reputed recruiters underscores the trust placed in BHU's talent pool and the robustness of its placement ecosystem. Some of the **notable companies** that participated in the recruitment drives include:

- Aakash Institute
- Physics Wallah
- TCS
- Deloitte
- EY
- Accenture India
- Azim Premji Foundation
- Bajaj Allianz
- Aditya Birla Capital
- Cognizant
- HDFC Bank
- Piramal Finance
- Reliance Retail
- Flipkart
- Mother Dairy
- Varun Beverages
- India First Life Insurance

These organizations offered a wide range of opportunities, from internships to full-time roles, catering to diverse student aspirations. Their active participation not only reflects BHU's standing as a hub of high-quality talent but also strengthens the university's reputation as a trusted partner for industry engagement and workforce development.

7.4.13. EQUAL OPPORTUNITY AND INCLUSIVE SYSTEM

The Banaras Hindu University (BHU) has long recognized the vital importance of advancing the educational and socio-economic development of Scheduled Castes (SC) and Scheduled Tribes (ST). In alignment with the constitutional vision of equality and social justice, the University has consistently taken a proactive role in implementing the guidelines and policies of the Government of India to protect, empower, and uplift marginalized communities.

Educational Opportunities and Reservations

BHU has faithfully adhered to the reservation policy, reserving **15% of seats for SC students and 7.5% for ST students** across its undergraduate, postgraduate, and doctoral programs. This provision also extends to **hostel accommodations**, ensuring equitable access to both academic and residential facilities.

To further enable academic participation, the University provides a wide range of **scholarships, fellowships, and stipends** tailored for SC and ST students. In addition, **remedial classes** are conducted at both undergraduate and postgraduate levels, helping students integrate effectively into mainstream academic and professional spheres.

Dr. Ambedkar Centre of Excellence (DACE)

In a landmark initiative, BHU has established the Dr. Ambedkar Centre of Excellence (DACE) under the aegis of the Dr. Ambedkar Foundation, Ministry of Social Justice and Empowerment. The Centre provides free coaching for the Indian Administrative Services (IAS) examination, initially admitting 100 SC students with plans for future expansion. This initiative is designed to significantly enhance employability, confidence, and leadership among SC students aspiring for competitive careers.

Recruitment and Staff Inclusivity

BHU strictly complies with reservation norms in the **recruitment** of teaching and non-teaching staff, ensuring that the mandated **15% (SC) and 7.5% (ST)** quotas are fulfilled. A 200-point roster system is maintained to monitor compliance, covering not only permanent positions but also temporary and contractual appointments. The policy further extends to the allotment of

residential quarters, thereby embedding inclusivity across the institutional ecosystem.

Institutional Mechanisms for SC/ST Welfare

To oversee these measures, BHU has established a Special Cell for SC/ST Matters, headed by a Joint Registrar who serves as the **Liaison Officer**. The Cell ensures adherence to reservation policies, maintains records of admissions, scholarships, hostel allotments, and staff appointments, and facilitates coordination with government bodies such as the UGC and the Ministry of Education.

The Standing Committee for SCs and STs has also been reconstituted to ensure transparency and fairness. It oversees sensitive matters such as the verification of caste certificates and appoints faculty members from SC/ST communities as observers in admission and appointment committees, safeguarding community interests at every stage.

Grievance Redressal and Transparency

BHU maintains a robust grievance redressal system with dedicated cells at the University, faculty, and departmental levels for SC/ST students, teachers, and employees. In accordance with UGC directives, an online grievance registration system has also been implemented, ensuring transparency, accessibility, and accountability.

Upholding Social Justice and Equality

Through these comprehensive efforts, BHU demonstrates its unwavering commitment to inclusion, empowerment, and social justice. By fostering an environment of equality, dignity, and opportunity, the University continues to play a pivotal role in uplifting marginalized communities, setting an example of institutional responsibility in higher education.

7.4.14. EXTRA-CURRICULAR ACTIVITIES

The Faculties, Departments, and Centres of the University have actively undertaken a wide range of extra-curricular activities aimed at fostering holistic student development. These activities encompassed cultural programs, sports events, community service initiatives, and celebrations of Institute/Faculty Days, among others.

A brief summary of extra-curricular activities executed by the respective Faculties, along with the number of participants involved, is appended below for reference.

S.N.	Department	No. of Activities	Total No. of Participants
1.	Institute of Agricultural Sciences	26	2,870
2.	Institute of Medical Sciences	11	550
3.	Institute of Environment & Sustainable Development	9	500
4.	Institute of Management Studies	7	190
5.	Institute of Science	67	3,720
6.	Mahila Mahavidyalaya	55	3,520
7.	Faculty of Arts	23	1,800
9.	Faculty of Education	11	1,390
10.	Faculty of Law	3	100
11.	Faculty of Performing Arts	4	150
12.	Faculty of SVDV	3	150
13.	Faculty of Social Sciences	1	180
14.	Faculty of Visual Arts	7	1,100
	Total	**227**	**16,220**

8. SERVICE AND OTHER UNITS

HOSPITAL AND HEALTH CARE CENTRES

ESTATE OFFICE

COMPUTER CENTRE

GUEST HOUSE COMPLEX

CONFERENCE HALLS

CANTEENS

ALUMNI RELATION OFFICE

INTERNATIONAL CENTRE

INFORMATION AND PUBLIC RELATIONS OFFICE

ELECTRICITY AND WATER SUPPLY SERVICES

BUILDING MAINTENANCE

SHOPPING COMPLEX

BHU CLUB

BANKS AND POST OFFICE

HINDI PUBLICATION CELL

BHU PRESS

8.1. HOSPITAL AND HEALTHCARE CENTRES

Established in 1926 with an initial capacity of 96 beds, the hospital facilities of Banaras Hindu University have grown into one of the most distinguished medical institutions in the country. Over the decades, the University has expanded its healthcare infrastructure to meet the evolving needs of patients and to provide state-of-the-art training to medical professionals.

At present, the University operates several constituent hospital wings, collectively offering **2,614 beds**. These include:

- Sir Sunderlal Hospital (SSH): **1,385 beds**
- Ayurveda Wing: **180 beds**
- Trauma Centre: **334 beds**
- Faculty of Dental Sciences: **13 beds**
- Centenary Super Specialty Block: **430 beds**
- Mother & Child Health Wing: **100 beds**
- Centre of Excellence for Mental Health: **60 beds**
- Bone Marrow Transplant & Stem Cell Research Centre: **12 beds**
- Regional Institute of Ophthalmology: **100 beds**

These hospitals serve a dual purpose: providing comprehensive healthcare to patients and acting as a teaching and training facility for the Institute of Medical Sciences, BHU, offering advanced education in medicine, Ayurveda, dentistry, and nursing.

The University's healthcare system is also renowned for its Ayurvedic treatments, widely regarded among the finest in India. By integrating traditional knowledge systems with modern medical practices, BHU has established itself as a unique centre of excellence in holistic healthcare.

From a financial perspective, the hospital wings are supported through regular maintenance grants and ad-hoc development funding from the University Grants Commission (UGC). Additionally, a Revolving Fund, generated from patient service charges, sustains ongoing operations and development.

With its cost-effective, precise, and compassionate treatment, the hospital continues to be one of the most sought-after and heavily visited healthcare institutions in the nation, embodying BHU's enduring commitment to public service and medical excellence.

Hospital Statistics

- Total no. of OPD Patients – 17,42,925
- Total no. of Admissions – 79,158
- Total no. of Births – 4,654
- Total no. of Death – 5,409
- Total no. of Operations - 54,013
  (27,299 Major and 26,714 Minor)
- Total no. of Clinical Investigations – 47,57,292

University Students Health Care Complex

Banaras Hindu University provides a robust and flexible healthcare delivery system for its students, encompassing both residential students and day scholars. This essential service is extended through the University Students Health Care Complex, which functions year-round, except on designated holidays, and operates in alignment with the schedule of Sir Sunderlal Hospital.

The Complex offers a range of healthcare facilities designed to ensure the well-being of students. Its **clinical facilities** provide primary medical care and consultations, while **laboratory services** support diagnostic and preventive healthcare needs. In addition to these core services, the Complex also addresses diverse requirements such as medical fitness certification**,** emergency medicine procurement, and medical reimbursement for inpatient care.

By combining preventive, diagnostic, and therapeutic services within a single framework, the University ensures that students have access to timely and comprehensive medical support, thereby fostering a healthier and more secure academic environment.

University Employee Health Care Complex

The University Employee Health Care Complex plays a vital role in addressing the primary healthcare needs of active and retired university employees and their dependents. Its services also extend to resident doctors of Sir Sunderlal Hospital and the staff members of Kendriya Vidyalaya located on the BHU campus, thereby

broadening the scope of care within the university community.

At present, the Complex caters to nearly **1,40,000 beneficiaries**, making it one of the most significant healthcare support systems within the institution. During the academic session 2024-25, a considerable number of patients availed themselves of its facilities, highlighting its relevance and reach.

The healthcare services are delivered by a team of six experienced consultants, supported by qualified pharmacists who dispense both modern and Ayurvedic medicines. This integrative approach reflects the University's unique blend of traditional knowledge and modern medical practices, ensuring that beneficiaries receive comprehensive, cost-effective, and holistic care.

8.2. ESTATE OFFICE

Banaras Hindu University (BHU), envisioned as a **residential university**, has from its inception fostered an academic community where **teachers, students, and staff share a common life** within the campus. To sustain this vision, the University has developed a well-structured system of **residential housing** for faculty members, staff, and students.

At present, the University provides **1,119 residential quarters for teaching staff** and **756 quarters for non-teaching staff**. These facilities are designed not only to address housing requirements but also to nurture a cohesive academic and cultural environment, strengthening the sense of community that lies at the heart of BHU's identity.

8.3. COMPUTER CENTRE

The Computer Centre of Banaras Hindu University (BHU) stands as the digital nerve centre of the University, orchestrating the seamless flow of information, communication, and technology across its vast academic ecosystem. Functioning round the clock, this state-of-the-art facility does not merely provide computing services; it empowers the University community to connect, collaborate, and create without boundaries. It remains an indispensable pillar in sustaining BHU's academic excellence while simultaneously preparing it to stride confidently into the digital future.

Core Services

At its foundation, the Centre extends a wide spectrum of services that are now integral to modern higher education. From providing uninterrupted internet access and World Wide Web connectivity to ensuring secure email communications, the Centre enables day-to-day academic and administrative work with quiet efficiency. Its advanced video conferencing facilities allow scholars and students alike to transcend geographical barriers, engaging in global dialogues and virtual classrooms with ease.

The Centre also shoulders the critical responsibility of managing the University's official digital presence through its website (**www.bhu.ac.in**), web servers, DNS, and an extensive optical fiber backbone. Beyond this, it safeguards sensitive systems and resources — such as the digital library — by administering secure user authentication protocols, thereby maintaining the sanctity of BHU's intellectual assets.

Recent Technological Advancements

The past year has been marked by ambitious strides in digital transformation. A high-speed, fully manageable Local Area Network (LAN), complemented by WiFi access across the Kamachha and Barkachha campuses, has revolutionized the ease with which students and faculty interact with online resources. This expansion ensures that whether in classrooms, libraries, or hostels, the University community remains seamlessly connected.

In parallel, the upgrade of network bandwidth from 100 Mbps to 1 Gbps across all campuses has created a digital highway capable of supporting the most demanding academic and research pursuits. Recognizing the unique requirements of faculty, additional bandwidth has been provisioned to facilitate virtual teaching, collaborative research, and data-intensive academic projects.

The Centre has also nurtured a culture of digital literacy through regular training programs —

both online and offline — for faculty and staff. These programs equip the University community with the skills to harness emerging technologies effectively. Complementing these initiatives is the launch of user-friendly applications, such as NAMSTE BHU, a comprehensive telephone directory, and a real-time notification system, each designed to simplify communication and enhance the efficiency of academic and administrative processes.

In a world where digital vulnerabilities loom large, the Centre has taken decisive steps to secure BHU's technological framework. The deployment of a Next-Generation Firewall (NGFW) reflects a forward-looking commitment to cybersecurity, ensuring that the University's data, networks, and users are shielded from evolving threats.

Commitment to Excellence

More than a facility, the Computer Centre represents BHU's enduring commitment to excellence in the digital domain. Its services enable not only the smooth conduct of academic and administrative affairs but also inspire innovation, collaboration, and intellectual growth. By blending cutting-edge infrastructure with visionary foresight, the Centre ensures that BHU continues to stand as a beacon of learning, seamlessly integrating tradition with technology.

As the horizons of knowledge expand and the demands of a connected world intensify, the Computer Centre will remain steadfast in its mission — to keep Banaras Hindu University at the vanguard of academic, technological, and research innovation in the twenty-first century.

8.4. GUEST HOUSE COMPLEX

The University Guest House Complex at Banaras Hindu University represents a harmonious blend of tradition, comfort, and functionality. Comprising five distinct units — **Lakshman Das Guest House (Heritage), Lakshman Das Guest House (Annexe), University Guest House, Faculty Guest House, and Shanti Swaroop Bhatnagar Guest House** — the Complex is thoughtfully designed to accommodate the varied requirements of its guests while upholding the University's culture of gracious hospitality.

Strategically located across prime areas of the University, each guest house ensures easy accessibility to the campus's academic, cultural, and administrative hubs. The interiors are tastefully appointed, with elegantly furnished rooms equipped with essential and modern amenities to provide a comfortable stay for both official visitors and personal guests. Many of the guest houses are complemented by well-maintained dining facilities, supported by **attached modern kitchens** that serve wholesome, freshly prepared meals in a home-like ambience, offered at nominal prices.

The Guest House Complex plays an indispensable role in the academic and cultural life of BHU, extending its services not only to members of the University community but also to guests from the Ministry of Education, collaborating academic institutions, and dignitaries from across India and abroad. It stands as a crucial support system for the University's wide range of programs, conferences, and ceremonial events, ensuring that hospitality matches the eminence of the occasions it hosts.

A noteworthy aspect of the Complex is its self-sustaining model of operation, which reflects both efficient management and prudent resource utilization. By generating and maintaining its own resources, the Guest House Complex embodies the University's values of self-reliance, responsibility, and service.

In essence, the University Guest House Complex is more than just a lodging facility; it is an extension of BHU's ethos of inclusivity and warmth, welcoming scholars, dignitaries, and visitors into an environment that balances the elegance of tradition with the ease of modern convenience.

Capacity of Guest Houses and Room charges (24 hours basis)

Name of GuestHouse	Type of Room	No.	Approved rate for official &Non official	
			Official	Non Official
LD Guest House (Annexe)	AC (Twin Beds)	57	1,500	2,000
	AC Suite	4	3,000	3,000
	AC Dormitory	1	300	400
	Conf. Hall with modern infrastrucure	1	5,000	7,000
LD Guest House (Old)	Double Bed AC Room	1	800	1,000
	AC Suite	6	1,000	1,500
	AC Dormitory	1	300	400
	Courtyard venue charge		5,000	
University Guest House	Twin Bed AC Room	11	800	1,000
	AC Room (Triple Bed)	3	1,000	1,200
	AC Suite	6	1,000	1,500
	AC Dormitory	2	300	400
Faculty Guest House	AC Double Bed Rooms (New)	2	800	800
	AC Double Bed Rooms (Old)	12	650	750
	AC Rooms (4 Bedded New)	1	1,200	1,200
	AC Rooms (4 Bedded Old)	7	900	1,100
	AC Suite	1	1,200	1,200
	AC Dormitory	2	1,200	1,200
	Dining Hall	1	1,500	7,500
	Lawn	1	1,500	7,500
SS Bhatnagar Guest House	Flat/Room	32		400 – Daily 8,000- Monthly
	Hall	3	1,200	1,500

Note: GST is applied in addition as per government rules

8.5. CONFERENCE HALLS

Banaras Hindu University is enriched with a diverse array of Conference Halls, Auditoriums, and Committee Rooms, thoughtfully designed to support the academic, cultural, and administrative vibrancy of campus life. These venues serve as the intellectual and cultural nerve centres of the University, hosting an impressive spectrum of activities ranging from academic meetings, symposia, and international conferences to workshops, cultural festivals, and commemorative ceremonies.

Over the years, these spaces have borne witness to some of the University's most significant occasions — from Independence Day and Republic Day celebrations to religious observances and festivals — making them integral to the rhythm of collective life at BHU. Each hall and auditorium reflects the University's spirit of inclusivity, where ideas, traditions, and creativity converge.

Some of the most distinguished venues within the University include:

- **Swatantrata Bhawan**, the iconic hub for large-scale conferences and cultural events
- **K.N. Uddupa Auditorium**, renowned for its academic and medical gatherings
- **Arts Faculty Auditorium** and **Pt. Omkar Nath Thakur Auditorium**, dedicated to intellectual and cultural pursuits in the arts

- **Radha Krishnan Hall, Faculty of Arts**, a space that echoes the University's literary and philosophical heritage
- **Exhibition Hall, Faculty of Visual Arts**, a vibrant arena for artistic showcases
- **Committee Rooms 1 & 2, Central Office**, centres of deliberation and policy-making
- **M.M.V. Auditorium**, **Chanakya Auditorium (Faculty of Education)**, and **Shatabdi Krishi Auditorium**, each tailored to the needs of their respective faculties
- **Seminar Complex, Institute of Science**, fostering scientific dialogue and innovation
- **Malaviya Moolya Anusheelan Kendra Auditorium**, resonant with the ideals and values of the University's visionary founder.

Together, these facilities create a dynamic ecosystem of dialogue, creativity, and celebration, positioning BHU as a true crucible of academic thought, cultural expression, and community life.

8.6. CANTEENS

Founded in 1971 under the name *Acharya Kul* and later renamed Maitri Jalpan Grih in 1976, the University's central canteen has grown into much more than a dining facility—it is a social and cultural landmark within the Banaras Hindu University campus. Operated on a not-for-profit model, the canteen extends its services from two prime locations on the main campus: one near the City Delegacy, en route to the iconic Shri Vishwanath Temple, and the other adjacent to the Central Office, ensuring accessibility for all segments of the University community.

Infrastructure and Services

The canteen is equipped with quality infrastructure, reflecting both functionality and comfort. Its two spacious dining halls, each with a seating capacity of 75–80 individuals, accommodate a constant flow of visitors. The food services are thoughtfully organized: a large, modern kitchen is dedicated to the preparation of wholesome meals, while a smaller kitchen caters to snacks and beverages.

The menu encompasses breakfast, lunch, tea, coffee, snacks, and select packaged beverages, all served through designated counters where items are purchased using coupons. Strict attention is paid to cleanliness and hygiene, with specialized areas for utensil washing and overall facility maintenance. This commitment to health and order enhances both the dining experience and the reputation of the canteen.

A Hub of Campus Life

On any given working day, the canteen hosts nearly **1,200 visitors**, making it one of the most vibrant spaces on campus. It is here that students, researchers, faculty, and staff converge, often engaging in lively discussions over a cup of tea or a plate of snacks. For many, these informal gatherings have transcended the ordinary, leading to friendships, collaborations, and even career-defining networks. Alumni often recall the countless cherished memories woven within these walls, where the warmth of shared meals became a backdrop for personal and academic growth.

The canteen also serves as a venue for small family gatherings and group events, reinforcing its role as a welcoming space beyond academics. Its ambience and accessibility render it a familiar, comforting retreat for members of the BHU family.

Serving the Wider Community

The significance of the Maitri Jalpan Grih extends beyond the University. During the numerous entrance examinations hosted by BHU, the canteen becomes a haven for candidates and their families, offering affordable refreshments and a brief respite amidst the intensity of academic pursuits. Additionally, pilgrims, tourists, and visitors to the Shri Vishwanath Temple often find refreshment here, experiencing the hospitality of the University in its most tangible form.

A Symbol of Friendship and Nourishment

True to its name—*Maitri* (friendship)—the canteen embodies the University's ethos of community, inclusivity, and shared experience. It is not merely a place to eat, but a living institution in itself: one that has nourished generations of scholars, staff, and visitors, fostering bonds over simple, wholesome meals.

8.7. ALUMNI RELATIONS OFFICE

With over a century of invaluable contributions to nation-building, Banaras Hindu University (BHU) stands among the most prestigious institutions of India. Its proud legacy is reflected in a vast alumni network that spans continents, carrying with it the University's spirit of excellence. These graduates—through their skills, talents, and remarkable achievements—have not only distinguished themselves in diverse fields but have also remained deeply connected to their alma mater.

To nurture and strengthen this enduring bond, the Alumni Cell was established in 2006, serving as a formal bridge between the University and its global family of alumni. In 2022, it was rebranded as the Alumni Relations Office, signifying a renewed vision to engage alumni more dynamically by fostering communication, collaboration, and constructive feedback.

A Digital Gateway to Connectivity

In its very first year, the Office launched a dedicated alumni portal (alumni.bhu.ac.in), creating a virtual meeting ground for the BHU community worldwide. The portal features an inspiring *"Alumni Insights"* section, linking graduates across **24 professional networks**, while its **News Section** celebrates alumni achievements and testimonials, spotlighting their contributions to society. The portal also acts as a hub for disseminating information about University events—including seminars, guest lectures, and exhibitions—encouraging alumni participation in the University's academic and cultural life.

Celebrating Alumni Narratives

A unique initiative, the **Alumni Connect Series**, titled *"Hum BHU ke Log / We, the People of BHU"*, offers distinguished alumni an opportunity to share their stories and cherished experiences from their student years. These sessions, streamed on the University's official social media platforms, not only rekindle nostalgia but also inspire current students and young graduates. The portal further enriches the experience with tools that allow alumni to search for and reconnect with batchmates, strengthening the fabric of the BHU fraternity.

Building a Global Family

The Alumni Relations Office has played a pivotal role in **integrating 13 National Chapters and 3 International Chapters**, which earlier functioned independently. Today, their contact details and activities are seamlessly accessible through the alumni portal. Beyond India, **international chapters** have been established in **Bangladesh, Bhutan, Nepal, Thailand, Mauritius, and Sri Lanka**, reinforcing BHU's global reach.

Currently, the network has grown to include over 59,000 registered alumni from more than 60 countries, and this number continues to expand steadily through the Office's strategic use of technology, digital outreach, and social media platforms.

Sustaining Bonds of Affection

The Alumni Relations Office collaborates actively with the Directors of Institutes, Deans of Faculties, the Dean of Students, and the Placement Coordination Cell to expand the alumni database, organize visits, and host alumni meets. To further strengthen emotional ties, the Office also ensures personalized communication with alumni on significant occasions, reaffirming that they remain an integral part of the BHU family no matter where they reside.

A Living Legacy

The Alumni Relations Office thus serves as more than an administrative unit—it is a living testament to the bond between BHU and its alumni. By combining tradition with modern technology, it preserves memories, nurtures pride, and ensures that the voices of its graduates continue to resonate across generations and geographies, carrying forward the glorious legacy of Banaras Hindu University.

8.8. INTERNATIONAL CENTRE

The International Centre of Banaras Hindu University was established in 2004 with the vision of serving as the University's global gateway. Since its inception, it has acted as the principal hub for managing all affairs related to international students, foreign collaborations, and academic linkages with institutions across the world. In its role, the Centre not only facilitates academic exchange but also nurtures the cultural and intellectual dialogue that

underpins BHU's identity as a truly global university.

Roles and Responsibilities

The International Centre performs a wide array of functions designed to enhance the University's international engagement. It provides academic assistance and administrative support to international students, ensuring that they integrate smoothly into the University's academic and social life. At the same time, it actively develops and coordinates **international linkages**, forging partnerships that strengthen BHU's research and academic presence on the world stage.

The Centre collaborates closely with foreign universities and institutions, enabling student and faculty exchange programs, while also managing study abroad initiatives for BHU students. Beyond academics, it organizes vibrant international cultural festivals—including exhibitions, food festivals, and cultural performances—that create a rich atmosphere of cross-cultural interaction.

Significantly, the Centre also functions as a base for the Indian Council for Cultural Relations (ICCR) at BHU, promoting bilateral relations and providing crucial support to foreign scholars pursuing their research in India.

International Student Community

The University today hosts students from **43 countries**, including the USA, France, Iraq, Myanmar, Yemen, Vietnam, Belarus, and many others, creating a diverse and multicultural academic community. During the **academic session 2024-25**, BHU welcomed **389 new international students** (235 male and 154 female), bringing the total number of international students on campus to **898**. Notably, out of these, **about 350 students were awarded scholarships**, reflecting the University's commitment to fostering inclusivity and supporting academic excellence across borders.

Global Engagements and Partnerships

Throughout the academic year, the International Centre serves as a vibrant hub of global academic interaction. The University frequently hosts delegations from international universities and research institutes, many of whom explore the potential for collaborations in teaching, training, and joint research.

The presence of high-ranking foreign dignitaries on campus further underlines BHU's international standing. Their visits not only strengthen diplomatic goodwill but also highlight the University's reputation as a premier centre of learning, research, and cultural exchange.

8.9. INFORMATION AND PUBLIC RELATIONS OFFICE

The Information and Public Relations Officeis involved in a variety of a activities for the image building and branding purposes. It uses diverse tools and methods to highlight and publicize the achievements and accomplishments of Banaras Hindu University and its members. These efforts are aimed at further strengthening the brand BHU and taking to the masses, locally, nationally, and globally, the good work of the institution.

Media Coverage

- The strides made by the university at various fronts, progress in different areas i.e. academic, administrative or institutional, its endeavors to develop teaching, learning and research infrastructure, and measures to fostera vibrant and enriching campus experience for students, faculty and staff, were highlighted through detailed bilingual press releases. These developments were widely covered on online platforms as well as in the conventional media.
- English and Hindi newspapers published a number of news reports, features and interviews, highlighting the achievements and accomplishments of BHU, its students, and faculty.
- Reports on awards and felicitations to the members of the BHU fraternity and their participation in prestigious events, workshops, and conferences were also carried by newspapers.
- Electronic media, including national broadcaster DD News, broadcast many news reports regarding various initiatives, developmental activities, and achievements of the university.
- More than 1444 press releases were issued to local and national media through e-mails and other mediums.

Advertisements

- In the reference year, the Information and Public Relations office issued 29 advertisements to local and national media.

Newsletter

- The Information and Public Relations Office issued Hindi and English quarterly newsletters of the university. The newsletter excellently summarizes the highlights of the university.

Press Conferences & Media Briefings

- The Information and Public Relations Office organizes and conducts press conferences and media briefings on multiple occasions. Media persons from various newspapers, electronic media, and web platforms are invited to these conferences, which are addressed by officials and experts from the host department, faculty, or center of that particular event or activity.
- **Convocation Press Conference:** The Information & Public Relations office organized the convocation press conference, which was addressed by the Hon'ble Vice-Chancellor.
- A press conference was organized ahead of the Inter-Faculty Youth Festival – 'Spandan', on 1st **March, 2025.**

Social Media

- Banaras Hindu University has a very active and dynamic social media presence. The university uses multiple social media platforms to reach out to stakeholders and spread the word about its achievements, initiatives, and messages. The Information and Public Relations Office operates the official pages of Banaras Hindu University on X (formerly Twitter), Facebook, Instagram, LinkedIn, and YouTube. BHU's social media witnessed encouraging growth in terms of followers in 2024-2025. Here's a comparative display of the social media follower count:

	TWITTER	FACEBOOK	INSTAGRAM	LINKEDIN
31.03.2025	144208	30438	44531	55295
31.03.2024	132100	26050	30350	28400
31.03.2023	103250	20734	14773	15707
31.03.2022	68300	8753	7072	4061
31.03.2021	35000	5000	5500	--

- Information about the university's activities, academic and cultural events, admissions and examinations, important initiatives and decisions, celebrations and observances,etc. was disseminated extensively using social media. Various new schemes and welfare measures announced by the university were widely publicizedthrough online platforms.
- Research and innovation activities by BHU and its members are promoted through the university's social media. It is also used as a bridge between various stakeholders and the university to have constant interaction on various issues.
- The Information and Public Relations Office carried out a special **social media campaign** for the university's 104th convocation.
- Various other social media campaigns, namely **BHU Research Flash** (to widely circulate and highlight the new research and scientific discoveries of members of BHU), **Making BHU Proud** and **Making BHU Shine** (to highlight the academic and scientific accomplishments of members of BHU),were carried out. The campaigns received overwhelming responses from various stakeholders.
- **Social Media Live:** The 104th convocation ceremony was streamed live on social media of Banaras Hindu University. This enabled thousands of people, including students, faculty members, media persons, and other stakeholders, to watch the program live without even being physically present on campus.

Other Activities

- Digital content, including attractive and informative posters, flyers, and videos, was prepared regarding various opportunities, announcements,and celebrations. This greatly helped in the impressive projection of the university over social media and inensuring broader engagement and outreach.
- The Information and Public Relations Office also prepares news-related content for the newly launched Alumni Portal of the university.

8.10. ELECTRIC AND WATER SUPPLY SERVICES

Banaras Hindu University has continued to invest in strengthening its basic infrastructure, particularly in the areas of **electricity and water supply**, to ensure the seamless functioning of academic and residential life on campus.

The newly constructed facility designed to accommodate the growing number of overseas students, has been fully electrified through **low-tension cabling executed by the Central Public Works Department (CPWD)**. This development marks an important step in creating a hospitable and well-equipped environment for international scholars.

Similarly, the **Postgraduate Girls' Hostel**, which underwent a vertical extension to meet increasing demand, is now fully operational with reliable electricity and water supply systems in place. This enhancement has significantly expanded residential capacity while maintaining the University's commitment to comfort and safety.

Beyond residential facilities, attention has also been directed towards recreational and co-curricular spaces. **All playgrounds across the Main Campus have been equipped with modern lighting infrastructure**, also executed by CPWD. With these installations, the grounds can now be used not only during the day but also at night, thereby enriching the student experience by extending opportunities for sports, training, and community gatherings.

Through these upgrades, BHU demonstrates its resolve to provide an environment where **academic pursuits, student welfare, and holistic development** are supported by strong, modern, and reliable infrastructure.

8.11. BUILDING MAINTENANCE

The University Works Department (UWD) has been an integral part of Banaras Hindu University since its inception, entrusted with the vital responsibility of maintaining and enhancing the University's vast infrastructure. Its scope of work extends far beyond routine upkeep, embracing both preservation of heritage structures and the creation of new facilities that support the University's academic, cultural, and social life.

Core Responsibilities

At its foundation, UWD is responsible for the maintenance and repair of existing infrastructure, encompassing residential quarters, administrative buildings, hostels, guest houses, sports facilities, auditoriums, roads, drainage, and sewerage systems. It also manages sewage pumping stations, stormwater drains, and boundary walls, while providing essential services such as furniture repair and fabrication for institutes, faculties, departments, colleges, and hostels. The Department's mandate extends beyond the Main Campus to include Rajiv Gandhi South Campus (RGSC), Barkachha, the Kamachha Complex, and University Health Centres located in Chiraigaon, Narayanpur, and Tikari**.**

Construction and Development

Alongside maintenance, UWD also undertakes construction of new facilities, working in collaboration with agencies such as the Central Public Works Department (CPWD) and University-registered contractors through e-tendering. These projects range from new academic buildings and hostels to specialized research facilities. In addition, the Department manages alterations, repairs, and renovations, often executed in-house—particularly for heritage structures where preservation demands careful craftsmanship.

The UWD also oversees interior planning, furnishing, and the procurement or manufacturing of wooden and steel furniture, ensuring that the University's physical spaces remain functional, modern, and aesthetically aligned with academic requirements.

Role in University Life

Beyond construction and maintenance, the UWD contributes significantly to the cultural and ceremonial life of BHU. It plays an indispensable role in organizing major University functions, including national celebrations such as Republic Day, Independence Day, and Gandhi Jayanti, as well as institutional observances like Foundation Day, Saraswati Puja, Institute Day, College Day, and Hostel Day. The Department also extends logistical and infrastructural support for seminars,

workshops, and conferences, thereby facilitating the smooth conduct of academic and cultural engagements throughout the year.

Heritage and Iconic Structures

The UWD bears special responsibility for the upkeep and restoration of prestigious heritage buildings that form the cultural and historical fabric of BHU. These include Malviya Bhawan, Tagore Bhawan, Sundaram Lodge, Bharat Kala Bhawan, Swatantrata Bhawan, Uduppa Auditorium, Pt. Omkarnath Thakur Auditorium, and the Arts College Auditorium. Modern facilities such as the indoor stadium, amphitheatre, and the iconic Shree Vishwanath Temple are also under its care. Much of this work involves restoring century-old structures, focusing on roof treatment, structural reinforcement, and the renovation of kitchens and bathrooms, thereby preserving the University's legacy while adapting to contemporary needs.

Kamachha Complex

The Kamachha Complex is another domain under UWD's management, housing important educational and residential institutions. These include the Faculty of Education, Central Hindu Boys' School, Central Hindu Girls' School, Ranvir Sanskrit Pathashala, Kolhua Primary School, Baijnathha Colony, Dr. A.B. Hostel, Dr. R.P. Hostel, Central Hindu Boys' Hostel, Bhargava Hostel, Riva Kothi Hostel, and the University Health Centre. Each of these requires continuous maintenance and infrastructural support to sustain the University's broader educational mission.

Rajiv Gandhi South Campus (RGSC), Barkachha

Spread over an impressive 2,700 acres, the Rajiv Gandhi South Campus (RGSC) represents one of BHU's most ambitious expansions. Since its inception in 2006, the campus has witnessed rapid infrastructural growth. Completed facilities include hostels, a lecture theatre complex, administrative and library buildings, a guest house, farmers' hostel, tissue culture laboratories, seed storage units, canteens, and banking facilities.

Development at RGSC continues at an accelerated pace with projects such as road networks, water supply and electrification systems, the BHU Diversity Park, advanced seed storage facilities, and the Faculty of Veterinary & Animal Sciences. Notably, the campus also benefits from the construction of ten check dams, developed for irrigation purposes, further strengthening its agricultural research and outreach initiatives.

8.12. SHOPPING COMPLEX

To cater to the diverse needs of the University community as well as visitors, the campus is home to an extensive network of nearly 151 shops, outlets, kiosks, and banking facilities, including those located at the Rajiv Gandhi South Campus (RGSC). These establishments serve as vital nodes of everyday convenience, offering a wide spectrum of quality consumables, essential utilities, and wholesome refreshments.

Designed to support the dynamic rhythm of campus life, they address the requirements of patients and their attendants at the health facilities, resident students, visiting scholars, and the University's faculty and staff. In doing so, they not only provide material comfort but also contribute to the vibrancy of the University's social and cultural ecosystem, where academic pursuits are harmoniously complemented by accessible amenities.

8.13. BHU CLUB

Founded in 1934 by Mahamana Pandit Madan Mohan Malaviya, the BHU Club stands as a living testament to his vision of nurturing excellence, harmony, and holistic development within the University community. Conceived as a vibrant centre for recreation and cultural engagement, the Club has, for decades, served as a hub where students, faculty, staff, and their families come together beyond the realm of academics.

The Club provides a rich tapestry of facilities, ranging from indoor games and literary gatherings to social evenings, informal discussions, and audio-visual entertainment. It has long been a space that reflects the University's inclusive ethos—an environment where members of diverse ethnicities, faiths, and regions find common ground. In this sense, the Club has often been celebrated as a "Mini-India,"

mirroring the cultural plurality and cosmopolitan spirit that define Banaras Hindu University itself.

Over time, the role of the BHU Club has expanded in scope and significance. While remaining faithful to its original mandate of fostering literary, social, and cultural pursuits, it has also evolved into a multifunctional institution that contributes to the University's economic ecosystem. Today, it generates revenue through the hosting of socio-cultural events, including weddings, reunions, and community gatherings, thereby blending tradition with modernity.

True to the ideals of its founder, the BHU Club continues to be more than a recreational facility; it is a cultural nucleus where dialogue thrives, friendships deepen, and the spirit of harmony and collective growth is constantly renewed.

8.14. BANKS AND POST OFFICES

Banaras Hindu University (BHU) ensures comprehensive financial and communication support to its community through well-structured banking and postal services located across the Campus. These facilities not only cater to the daily requirements of students, faculty, staff, and retirees but also extend essential services to patients, attendants, and visitors associated with the University hospitals.

The University hosts branches of several leading national banks, each strategically located to serve different academic and institutional units. Prominent among them are:

- **State Bank of India** – BHU Main Branch, IMS Branch, IIT Branch, and Shopping Complex Branch
- **Bank of Baroda** – S S Hospital Branch
- **HDFC Bank** – Trauma Centre Branch
- **Punjab National Bank** – BHU Campus

These banks facilitate a wide range of services, including fee collection for academic and hospital purposes, admission form processing, and routine financial transactions. To ensure accessibility and convenience, the Campus is further equipped with 11 Automated Teller Machines (ATMs) operated by different banks, enabling round-the-clock banking services.

Complementing these facilities, the University also maintains three post offices, located at the Central Office, within the Institute of Medical Sciences (IMS) Campus, and near Kendriya Vidyalaya. These post offices, equipped with modern postal systems, provide efficient mail handling, communication, and logistical support. They play a crucial role in sustaining seamless connectivity for the University community, both within the country and internationally.

Together, these banking and postal services constitute an indispensable support system, ensuring that the sprawling BHU Campus functions smoothly as a self-contained ecosystem.

8.15. HINDI PUBLICATION CELL

The Hindi Publication Cell, established in 1930 by the visionary founder of the University, Mahamana Pandit Madan Mohan Malaviya, stands as a pioneering initiative within the Institute of Science at Banaras Hindu University. Conceived with the noble aim of advancing scientific, technological, agricultural, and medical education in Hindi, the Cell embodies Malaviya Ji's vision of democratizing knowledge and making it accessible to the broader Indian society through the national language.

Since its inception, the Cell has been committed to authoring and translating key scientific texts into Hindi, thereby bridging the linguistic divide in higher education and empowering students and scholars to engage with complex scientific ideas in their mother tongue. Special emphasis has been placed on translating significant works of popular science from English, ensuring that globally relevant knowledge reaches the Indian readership in an accessible form.

For the last eight years, the Cell has been publishing its biannual scientific journal, ***Vigyan-Ganga*** (ISSN 2231-2455), which carries popular science articles in Hindi. To date, eleven issues have been published, each contributing to the promotion of scientific curiosity and literacy among Hindi readers. A matter of great pride for the University is that *Vigyan-Ganga* has been officially recommended for purchase by Kendriya Vidyalayas across the country, as endorsed by the Kendriya Vidyalaya Sangathan.

The significance of the Cell's work is further underscored by the recognition it has received at the national level. Dr. Harsh Vardhan, Hon'ble Minister for Science & Technology and Earth Sciences, Government of India, directed several national laboratories to procure the Hindi publications produced by the Cell, acknowledging their role in advancing the cause of science popularization in India.

In addition to publishing, the Hindi Publication Cell remains deeply engaged in academic and cultural outreach, organizing seminars, symposiums, workshops, lectures, and competitions dedicated to promoting scientific knowledge in Hindi. Through these activities, the Cell not only sustains Malaviya Ji's legacy but also contributes to building a scientifically aware, linguistically empowered, and culturally rooted academic community.

8.16. BHU PRESS

Established in 1936, the BHU Press has been an indispensable pillar in the academic and administrative ecosystem of the University, serving as the central hub for printing and publishing. Since its inception, it has carried forward the vision of Mahamana Pandit Madan Mohan Malaviya to create a self-reliant institution capable of meeting its own scholarly and institutional needs.

The Press undertakes the printing of a wide spectrum of materials, ranging from **books, journals, and the annual *Vishwa Panchang*** to registers, official forms, and examination-related documents. It caters to the varied requirements of University departments and institutions, including the Sir Sunder Lal Hospital, the Trauma Centre, the Indian Institute of Technology (BHU), and the Controller of Examinations, for whom it prepares examination answer sheets. The Press also extends its services to the Central Hindu Boys' and Girls' Schools, thus impacting both higher and school-level education associated with the University.

Spread over a sprawling 80,000 square feet campus, with 25,000 square feet of constructed space, the BHU Press reflects the University's capacity for infrastructural foresight. In its early days, the Press was equipped with seven letterpress machines—symbols of the technology of its time. Over the decades, it has steadily modernized, and today it operates with an impressive array of equipment, including four single-color offset machines, one double-color offset machine, a state-of-the-art Computer-to-Plate (C.T.P.) machine, a stitching machine, a binding machine, three cutting machines, and four punching machines.

This evolution from letter press to advanced offset and digital technologies reflects not only the modernization of the Press but also the University's commitment to maintaining excellence, efficiency, and quality in its printing infrastructure. The BHU Press continues to be the silent yet steadfast force behind the seamless functioning of academic, administrative, and cultural life on campus—an institution where tradition meets technological advancement in service of knowledge and community.

9. EVENTS ORGANIZED

Banaras Hindu University (BHU), since its inception, has been guided by the noble vision of its illustrious founder, **Mahamana Pandit Madan Mohan Malaviya**, who envisioned education as a pathway for holistic development—enriching both career and character. True to this legacy, the University continues to blend academic pursuit with cultural refinement, moral grounding, and national service. During the academic session **2024-25**, the University organized a series of events and observances, each reflecting its commitment to fostering creativity, patriotism, inclusivity, and reverence for tradition.

1. **Auspicious Beginning of the Academic Session (July 8, 2024)**
   Upholding the time-honoured tradition, the academic year commenced with Rudrabhishek and Puja at Shri Vishwanath Temple, performed by the Hon'ble Vice-Chancellor. This sacred invocation set a spiritually elevating tone for the year, symbolizing the confluence of learning and divine blessings.

2. **Independence Day (August 15, 2024)**
   Celebrated with grandeur at the Amphitheatre Ground, Independence Day witnessed the ceremonial flag hoisting by the Vice-Chancellor, accompanied by the stirring notes of the National Anthem. Patriotic songs, cultural performances, and the proud presence of the NCC contingent infused the campus with a spirit of national pride and youthful enthusiasm.

3. **Teachers' Day (September 5, 2024)**
   On the birth anniversary of Dr. Sarvepalli Radhakrishnan, the University paid homage to the noble profession of teaching. Retired teachers were honoured with shawls, mementos, and citations at K.N. Udupa Auditorium, while the Vice-Chancellor reflected upon Dr. Radhakrishnan's philosophy of education and its continued relevance.

4. **Shri Krishna Janmashtami (August 26, 2024)**
   The divine birth of Lord Krishna was celebrated with devotional fervour. Jhankis (tableaux) created by hostel students depicted various episodes from Krishna's life, transforming the campus into a vibrant canvas of devotion, art, and festivity.

5. **Gandhi Jayanti (October 2, 2024)**
   At Malaviya Bhavan, Gandhi Jayanti was observed with simplicity and solemnity. The occasion was marked by extending financial assistance to Divyang students—a gesture that harmonized Gandhian ideals of compassion and service with the University's commitment to inclusivity.

6. **Punya Tithi of Pandit Madan Mohan Malaviya (November 23, 2024)**
   On this sacred day, floral tributes were offered at Malaviya Bhavan to honour the revered founder. The solemnity of the occasion was deepened through Shanti Path and Geeta Path recitations, followed by a two-minute silence—an act of collective remembrance and gratitude by the University fraternity.

7. **Mahamana Pt. Madan Mohan Malaviya Jayanti (December 20–27, 2024)**
   The Jayanti celebrations spanned over a week, beginning with Devadipujan and culminating in Purnahuti Havan. The highlights included **S**hrimad Bhagwat Parayan, Pravachans, and Malaviya Deepawali—a luminous evening of lights symbolizing knowledge, enlightenment, and the eternal flame of Mahamana's vision.

8. **Republic Day (January 26, 2025)**
   The day was celebrated at the Amphitheatre Ground with flag hoisting, National Anthem, and recognition of achievers. Students excelling in various fields were felicitated, and the Best Non-Teaching Employee Awards were presented, reaffirming the University's ethos of celebrating both excellence and service.

9. **Foundation Day (February 14, 2025)**
   Marked at the Foundation Stone site of Saraswati Mandir, the day symbolized BHU's genesis. A solemn puja and garlanding of Goddess Saraswati were performed by the Vice-Chancellor, in the presence of faculty, staff, and students, reasserting the

University's unwavering dedication to wisdom and learning.

10. **Outreach at Lala Lajpat Rai Pathshala**
Continuing the philanthropic spirit of Mahamana, the Pathshala established in Sunderbagia distributed free winter clothing to underprivileged students. This initiative not only upheld the founder's mission of empowering the marginalized but also reflected BHU's living tradition of compassion in action.

10. SUMMARY OF ACCOUNTS

As one of India's premier Central Universities, Banaras Hindu University (BHU) receives substantial annual budgetary support from the Central Government in the form of grants-in-aid, allocated through the regular budget. This financial assistance ensures the seamless functioning and steady growth of the University, enabling it to sustain its academic, research, and service-oriented endeavors. At present, both maintenance and developmental expenditures are met through the grants sanctioned by the University Grants Commission (UGC), under distinct budgetary heads: **"OH-31 (Recurring General)," "OH-36 (Recurring General)," and "OH-35 (Non-Recurring – Capital / Infrastructure)."**

Complementing these grants, the University mobilizes internal resources from diverse channels such as student fees, revenue generated from University properties, dairy and agricultural farms, hospital services, license fees collected from shops, and the sale of Ayurvedic medicines. These streams of income not only supplement government support but also reinforce BHU's self-sufficiency in sustaining certain academic and community-oriented activities.

For the fiscal year 2024–25, the University's annual accounts have been duly finalized and ratified by the Finance Committee**.** A detailed statement of receipts and expenditures has been prepared, providing a transparent financial overview under four principal heads: **"Special Fund," "Development Fund," "Project Fund," and "Revenue Fund."** This systematic categorization reflects the University's commitment to judicious financial planning, accountability, and the effective utilization of resources in pursuit of its founding ideals.

Sl.	Particulars	Receipt	Payment	
Special Fund				
1.	-	4,95,32,56,293		3,05,10,07,992
Development Fund				
1.	-	21,35,08,807		20,99,00,104
Project Fund				
1.	-	54,38,88,009		59,80,71,842
Revenue Fund				
1.	Grant	19,75,16,04,101	Establishment	15,26,54,55,367
2.	Internal Income	39,37,76,143	Non-Establishment	5,25,66,26,240
	Total	**20,14,53,80,244**		**20,52,20,81,607**

11. COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

ARYA MAHILA PG COLLEGE

VASANTA COLLEGE FOR WOMEN

VASANT KANYA MAHAVIDYALAYA

DAYANANDA POST GRADUATE COLLEGE (DAV PG COLLEGE)

COLLEGES ADMITTED TO THE PRIVILEGES OF BHU

Introduction

Banaras Hindu University (BHU), envisioned and founded by the great nationalist and educationist Mahamana Pandit Madan Mohan Malaviyaji, stands as one of the most revered seats of learning in Asia. Its academic ecosystem extends far beyond the central campus, encompassing a diverse constellation of affiliated colleges that have been admitted to its privileges. These institutions, deeply rooted in tradition yet attuned to the demands of modern scholarship, contribute profoundly to the University's enduring mission of advancing academic excellence, pioneering research, cultural enrichment, and social upliftment.

Each college admitted to the privileges of BHU carries with it a distinctive historical legacy, often born of visionary leadership and societal aspirations for knowledge and empowerment. Together, they enrich India's intellectual and cultural fabric by nurturing generations of students with critical inquiry, creativity, and a deep sense of civic responsibility. They stand as beacons of inclusive education, offering opportunities across disciplines and extending the reach of higher learning to communities beyond the immediate precincts of the University.

By fostering innovative research, nurturing literary and cultural expression, and engaging in service to society, these colleges uphold and embody the founding ideals of Mahamana Malaviyaji. They do not merely impart degrees; rather, they provide students with the values, vision, and tools necessary for both personal growth and collective progress.

The following pages present an overview of some of the most eminent and time-honoured colleges admitted to the privileges of BHU, with glimpses into their rich historical backgrounds, distinguished academic achievements, and significant contributions to the advancement of education and society.

11.1. Arya Mahila Postgraduate College

Established in 1956 through the dedicated efforts of Smt. Vidya Devi, Arya Mahila Postgraduate College has steadily evolved into a distinguished institution of higher learning. Under the pioneering leadership of its first Principal, Ms. Sundari Bai Pai, and the enlightened guidance of Ayurveda Ratna Brij Mohan Dixit, the College laid the foundations of a robust academic tradition. It was permanently affiliated for its Bachelor of Arts (B.A.) programme in 1958 and later for its Bachelor of Education (B.Ed.) programme in 1974, marking milestones in its academic journey.

Over the decades, the College has expanded its academic horizon, now offering a comprehensive spectrum of undergraduate, postgraduate, and doctoral programmes, thereby catering to diverse disciplines and fostering intellectual growth at multiple levels.

The academic accomplishments of Arya Mahila PG College are particularly commendable. Its faculty members have demonstrated consistent engagement in national and international research, producing **27 national research papers**, along with **7 national and 5 international articles** during the year. Beyond these, the College has enriched scholarly literature through the publication of **monographs and research projects**, significantly contributing to academic discourse.

Equally noteworthy is the College's active role as a centre of academic dialogue, having organized numerous **seminars and conferences** that provide platforms for the exchange of ideas and innovation. The prestige of the institution is further reflected in the recognition accorded to its faculty members, several of whom have been honoured with distinguished national and international awards, underscoring the College's stature as a beacon of knowledge, research, and cultural enrichment.

11.2. Vasanta College for Women

Founded in 1913, Vasanta College for Women stands as one of Varanasi's most venerable and distinguished institutions of higher learning. Nurtured under the auspices of the Krishnamurti Foundation India and admitted to the privileges of Banaras Hindu University, the College has, for over a century, embodied the ideals of academic excellence, cultural refinement, and social responsibility.

With its wide spectrum of undergraduate and postgraduate programmes, complemented by diploma and certificate courses, the College continues to provide holistic education that is

both intellectually rigorous and socially relevant. Its commitment to equity and inclusion is reflected in its proactive support for students from economically disadvantaged backgrounds — exemplified by the awarding of scholarships to several **meritorious students** in the 2024-25 academic session. As a hub of research, innovation, and intellectual engagement, Vasanta College for Women has carved a distinguished niche. Its faculty members have authored **26 research papers** and a significant number of scholarly contributions in both national and international journals. They have also enriched academic discourse through **books and monographs**, further broadening the horizons of knowledge.

The College is equally celebrated as a forum of ideas and dialogue, frequently hosting seminars, conferences, and academic exchanges. Its faculty are regularly invited as keynote speakers**,** moderators, and thought leaders in prominent academic platforms across the country. Several members of the faculty have also been recognized with prestigious awards, reaffirming the College's enduring legacy as a centre of excellence, empowerment, and cultural advancement.

11.3. Vasant Kanya Mahavidyalaya

Established on July 10, 1954, Vasant Kanya Mahavidyalaya was inaugurated by Dr. C.P. Ramaswamy Iyer, the then Vice-Chancellor of Banaras Hindu University. Since its inception, the College has drawn enduring inspiration from eminent visionaries such as Dr. Annie Besant and Mahamana Pandit Madan Mohan Malaviya, striving to harmonize the dissemination of knowledge with cultural refinement and social responsibility.

Over the years, the institution has emerged as a distinguished centre of women's education, offering undergraduate programmes in 15 disciplines across the Arts and Social Sciences, alongside postgraduate and doctoral research opportunities in 11 subjects. Through this wide academic canvas, the College not only imparts knowledge but also fosters critical inquiry, intellectual independence, and ethical responsibility among its students. Its faculty has made substantial contributions to research and scholarship, with the publication of **33 national** and **9 international research papers** in recent years. The College has also taken a proactive role in organizing seminars, conferences, and research projects, thereby creating platforms for intellectual dialogue and collaborative innovation.

The reputation of Vasant Kanya Mahavidyalaya is further enhanced by the recognition its faculty members have earned as invited speakers, presenters, and leaders at national and international forums. Many among them have also been honoured with prestigious awards and distinctions, underscoring the College's unwavering commitment to academic excellence, cultural vitality, and societal advancement.

11.4. DAV Postgraduate College

Founded in 1938, DAV Postgraduate College began its academic journey as an intermediate institution, steadily evolving into one of the most esteemed centres of higher learning in Varanasi. Recognized by Banaras Hindu University, the College was conferred degree status in 1947 and attained permanent affiliation in 1954, milestones that marked its growing stature within the academic landscape of the country.

Initially offering undergraduate programmes in Arts, Social Sciences, and Commerce, the College has continually expanded its academic horizons. With the introduction of postgraduate and doctoral programmes in 2008, it now provides advanced avenues of learning and research across 11 distinguished departments, thereby nurturing a culture of inquiry, scholarship, and innovation.

The scholarly achievements of DAV Postgraduate College are both diverse and impactful. Its faculty members have enriched the academic world with **43 national** and **13 international research papers**, in addition to publishing numerous books, articles, and book chapters that have significantly contributed to their respective fields. The College has also spearheaded **8 major research projects** and convened **3 national and international seminars and conferences** in the past academic year alone, reflecting its vibrant academic environment.

The intellectual influence of the College extends well beyond its own campus. Several of its faculty members have been invited to present their work at prestigious academic platforms both in India and abroad, serving as ambassadors of its scholarly excellence. Many have been honoured with awards and distinctions in recognition of their research, teaching, and leadership.

12. OTHER INSTITUTIONS IN BHU CAMPUS

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

MAHAMANA PANDIT MADAN MOHAN MALAVIYA CANCER CENTRE, BHU

INTER UNIVERSITY CENTRE FOR TEACHER EDUCATION, BHU

KENDRIYA VIDYALAYA (BHU CAMPUS)

INDIRA GANDHI NATIONAL OPEN UNIVERSITY REGIONAL CENTRE, BHU

OTHER INSTITUIONS IN BHU CAMPUS

Introduction

The expansive and dynamic campus of Banaras Hindu University is not only home to its own illustrious departments, faculties, and centres but also hosts several independent institutions of national importance**.** These institutions, while autonomous in their functioning, remain integrally connected to the University's academic and cultural milieu, enriching its ecosystem and extending its reach to wider sections of society.

Among these are the **Indian Institute of Technology (BHU)**, a premier centre for engineering and technological education; the **Mahamana Pandit Madan Mohan Malaviya Cancer Centre**, a state-of-the-art facility delivering advanced and affordable cancer care; the **Inter University Centre for Teacher Education (IUCTE)**, dedicated to innovation and capacity-building in teacher education; the **Kendriya Vidyalaya (BHU Campus)**, serving the educational needs of children of university staff and central government employees; and the **Indira Gandhi National Open University (IGNOU) Regional Centre**, which extends equitable access to higher education across Eastern Uttar Pradesh.

Together, these institutions embody the spirit of **inclusivity, innovation, and service**, complementing BHU's vision of fostering excellence in education, research, and societal development.

12.1. Indian Institute of Technology (BHU)

Nestled within the expansive and picturesque campus of Banaras Hindu University, along the sacred banks of the river Ganga, the Indian Institute of Technology (BHU), Varanasi, stands as a symbol of academic distinction and technological innovation. Its location, at the southern edge of the ancient and spiritually vibrant city of Varanasi, lends the Institute a unique blend of modern scientific inquiry and timeless cultural heritage.

The story of engineering education at BHU traces back to 1919, with the establishment of the **Banaras Engineering College (BENCO)**, a pioneering institution that laid the foundation for scientific and technical education in India. The university soon became a trailblazer in engineering education, introducing India's first-ever degree programmes in Mining, Metallurgy, Ceramic Engineering, and Pharmaceutics. These innovations took shape with the establishment of the College of Mining and Metallurgy in 1923 and the College of Technology in 1932.

In 1969, a significant milestone was achieved when these three pioneering colleges were amalgamated to form the Institute of Technology, BHU. This evolution culminated in a historic moment on 29th June 2012, when the Government of India conferred upon it the prestigious status of an Indian Institute of Technology, thus aligning it with the nation's premier institutions of technical excellence.

Today, IIT (BHU) embodies a vision of global leadership in science and technology, dedicated to advancing knowledge through interdisciplinary research, innovation, and collaboration. It harmonizes traditional teaching methodologies with cutting-edge pedagogical practices, creating an intellectual ecosystem that fosters creativity, critical inquiry, and technological expertise. In doing so, it not only produces engineers of exceptional calibre but also nurtures leaders equipped with the wisdom and foresight to address the complex challenges of the modern world.

12.2. Mahamana Pandit Madan Mohan Malaviya Cancer Centre, BHU

In India, access to quality cancer care continues to be one of the most pressing challenges in public health. The scarcity of specialized infrastructure, concentrated largely in urban hubs, renders advanced treatment either inaccessible or prohibitively expensive for a vast segment of the population. This inequity has resulted in prolonged waiting times, overcrowded facilities, and immense psychological and financial strain on patients and their families, many of whom are compelled to travel long distances in search of treatment.

The Mahamana Pandit Madan Mohan Malaviya Cancer Centre, Varanasi, stands as a

transformative response to this pressing need. Established through a visionary collaboration between the Tata Trusts, the Tata Memorial Centre, and Banaras Hindu University, the Centre symbolizes the confluence of philanthropy, medical excellence, and academic commitment. Conceived as a beacon of hope, it provides comprehensive, high-quality, and affordable cancer care to a population that has long struggled with inadequate access.

Spread across a sprawling 5.86 lakh square feet, the Centre houses state-of-the-art infrastructure and cutting-edge technology procured from the world's foremost leaders in cancer diagnostics and treatment. Its strategic location in Varanasi makes it a lifeline not only for the people of Uttar Pradesh, Bihar, Jharkhand, and Uttarakhand but also for patients from across the border in Nepal, thus extending its humanitarian impact beyond national boundaries.

The Centre's mission is rooted in equity and timeliness—to ensure that no patient is deprived of treatment due to delays or resource constraints. By integrating advanced technology with specialized support services, the Centre enables seamless cancer management across the continuum of care—from early detection and diagnostics to surgery, chemotherapy, radiotherapy, and palliative care. With an annual capacity of **15,000 new patients and 75,000 follow-ups**, it not only relieves the burden on overstrained healthcare systems but also redefines the standards of accessible oncology care in India**.**

In its essence, the Mahamana Pandit Madan Mohan Malaviya Cancer Centre is more than just a hospital—it is a sanctuary of healing, hope, and dignity, carrying forward Mahamana Malaviyaji's vision of service to humanity through education, health, and compassion.

12.3. Inter-University Centre for Teacher Education, BHU

The University Grants Commission (UGC) has, under Section 12 (CCC) of its mandate, established a network of Inter-University Centres (IUCs) to provide advanced services and specialized programs to universities and institutions across the nation. These Centres—such as the Inter-University Centre for Astronomy and Astrophysics (IUCAA), Inter-University Accelerator Centre (IUAC), UGC-DAE Consortium for Scientific Research (UGC DAE CSR), Consortium for Educational Communication (CEC), Information and Library Network Centre (INFLIBNET), Inter-University Centre for International Studies (IUCIS), and the National Assessment and Accreditation Council (NAAC)—serve as hubs of excellence in their respective domains, enriching India's higher education landscape.

The Inter-University Centre for Teacher Education (IUCTE) at Banaras Hindu University, Varanasi, is the most recent addition to this distinguished family of Centres, with a dedicated mandate to advance teacher education. Inaugurated on December 25th, 2014, the IUCTE embodies the vision of fostering a sustainable ecosystem for capacity building in teacher education.

With its focus on innovation, research, and professional development, the IUCTE aspires to emerge as a national leader in reimagining teacher education. Its mission is not merely to strengthen pre-service and in-service teacher training but to drive systemic transformation in the quality of teaching and learning across the country. By promoting high-impact research, building networks of collaboration, and nurturing leadership in pedagogy, the Centre seeks to uphold the ideals of academic excellence and nation-building envisioned by Mahamana Pandit Madan Mohan Malaviya.

12.4. Kendriya Vidyalaya (BHU Campus)

Established in 1965, Kendriya Vidyalaya, Banaras Hindu University, was founded with the primary objective of catering to the educational needs of the children of university staff and other central government employees. Over the decades, it has evolved into one of the most vibrant schools within the Kendriya Vidyalaya Sangathan (KVS) network, reflecting both academic distinction and a commitment to holistic development.

Nestled within the serene and intellectually stimulating environs of the BHU campus, the school benefits from an atmosphere steeped in learning and culture. Affiliated to the Central Board of Secondary Education (CBSE), it presently nurtures the educational aspirations of nearly

3,000 students, representing diverse social and cultural backgrounds, thereby reflecting the cosmopolitan ethos of the University itself.

The school has consistently upheld high academic standards, with its students excelling in board examinations, competitive entrance tests, and co-curricular pursuits. In addition to scholastic excellence, Kendriya Vidyalaya, BHU, emphasizes holistic education—integrating sports, cultural activities, value-based education, and community engagement. Through this balanced approach, it seeks to mold students into responsible, confident, and compassionate citizens, in alignment with the national vision of education.

12.5. Indira Gandhi National Open University Regional Centre, BHU

To extend the reach of higher education and ensure equitable access for a wider section of society in Eastern Uttar Pradesh, the Indira Gandhi National Open University (IGNOU) established a Sub-Regional Centre in Varanasi on May 1st, 2006. Recognizing its growing importance and impact, the Centre was elevated to the status of a Regional Centre in 2008. Today, it operates from the premises of Banaras Hindu University, serving as a vital hub of open and distance learning in the region.

The Centre has a vast jurisdiction, covering **19 districts of Uttar Pradesh** and extending educational opportunities to an expansive and diverse population. By bridging geographical and socio-economic barriers, it has become an instrument of inclusion, enabling learners from marginalized, rural, and disadvantaged backgrounds to access the transformative power of education.

At the heart of its mission is the philosophy of "Education for All". The Centre strives to bring higher education to the very doorstep of aspirants, ensuring that no individual is deprived of opportunities for academic advancement. It is committed to providing high-quality education, transcending barriers of age, gender, religion, and region. In keeping with the evolving demands of society, the Centre offers need-based academic programs with a strong professional and vocational orientation, thereby strengthening the fabric of distance education in India.

Through its sustained efforts, the IGNOU Regional Centre, Varanasi, has emerged as a powerful catalyst for expanding the horizons of learning and nurturing human potential, in perfect alignment with the larger national vision of democratizing education.

Annexure I

PUBLICATIONS

PUBLICATIONS

Institute of Agricultural Sciences

Faculty of Agricultural Sciences

Department of Agricultural Economics

Research Papers & Articles

1. Patel, S., Anoop, M* & Kumari, T. (2025). Efficiency Analysis of Broiler Poultry Production in Mirzapur District of Uttar Pradesh. *Indian Journal of Economics and Development,* 21(2), 402-407.
2. Patel, S., & Anoop, M*. (2024). Economic Analysis of Broiler Poultry Production in Uttar Pradesh. *Indian Journal of Economics and Development,* 20(3), 468-478. https://doi.org/10.35716/IJED-23497
3. Patel, S., & Anoop, M*. (2024). Price Spread, Marketing Efficiency and Constraints in Marketing of Broiler Poultry in Mirzapur District, Uttar Pradesh. *Indian Journal of Agricultural Marketing,* 38(3), 26-37.
4. Anoop, M*., Sirohi, S., & Singh, H.P. (2024). Risk Perception of Dairy Farmers of Kerala and the Effectiveness of Risk Management Strategies Adopted. *Economic Affairs,* 69(4): 1579-1585.
5. Borisagar, Dharmik, O. P. Singh and Vaishnavi Singh (2025), Assessing the profitability of cotton cultivation in northern Gujarat, *Journal of Agricultural Development and Policy*, 35(1):73-79. ISSN: 0974-9071 (P), 2322-0457(E)
6. Borisagar, Dharmik, O. P. Singh and Vaishnavi Singh (2025), Comparative economics of groundnut cultivation under sprinkler and conventional irrigation method, *Journal of Krishi Vigyan*, 13(1):243-250. ISSN: 02319-6432 (P), 2349-6433(E)
7. Borisagar, Dharmik, Vaishnavi Singh, AbinayaRajam, O. P. Singh and P. K. Singh (2024), Assessing sustainability of livestock sector in India, *Indian Journal of Agricultural Economics*, 79(3): 509-520. ISSN: 0019-5014 (P), 2582-7510(E) (Scopus ID 51335) DOI: 10.63040/25827510.2024.03.012
8. Singh, Vaishnavi, O. P. Singh and DharmikBorisagar (2024), Optimising resource utilisation for paddy cultivation in Eastern Uttar Pradesh, India: A study on efficiency and sustainability, *Journal of Scientific Research and Reports*, 30(9): 942-949. ISSN: 2320-0227. DOI: https.doi.org/10.9734/jsrr/2024/v30i92422
9. Singh, O. P. and P. K. Singh (2024), Performance of millets production, consumption and export from India, *The Journal of Research ANGRAU*, 52(1): 121-134. (UGC care List). ISSN 0970-0226
10. Borisagar, Dharmik, ShiwaniBhadwal, Vaishnavi Singh, Harbans Lal, Virender Kumar and O. P. Singh (2024), Economics and Marketing of exotic vegetables in tribal district of Lahaul and Spiti, *Indian Journal of Ecology*, 51(1): 237-240. ISSN: 0304-5250. (UGC Care SI No. 9669)
11. Singh, O. P., P. K. Singh and Anoop M. (2024), Growth and direction of processed foods trade from India: An application of Markov chain analysis, *Research Journal of Agricultural Sciences* (An International Journal), 15(1): 177-183. ISSN: (E) 2249-4538; (P) 0976-1675 (UGC care, Science Group SI. No. 409).

Book Chapter

12. Dey, Anwesha, ShiwaniBhadwal, DharmikBorisagar, Shubhi Patel, H. P. Singh, and O. P. Singh (2025), Virtual water export: Gaining insight to the dynamics of water economy. In Kumar, Arvind, VK Singh, Yogeshwar Singh, Susheel Kumar Singh and Pavan Kumar (eds) *Modern technology for sustainable agriculture*, published by Springer Nature, Switzerland: 261-277. ISBN 978-3-031-88395-8 ISBN 978-3-031-88396-5 (eBook) https://doi.org/10.1007/978-3-031-88396-5
13. Singh, Vaishnavi, DharmikBorisagar, O. P. Singh and Shubham Kumar Verma (2025), Enhancing agricultural competitiveness: Harnessing value chains and agro-processing for sustainable growth. In Kumari, Sneha, K K Tripathi, V G Venkatesh, Hemachandra Pradhan and M P Sukumaran Nair (eds) *Sustaining the global agriculture supply chain*, published by IGI Global Scientific Publishing, Hershey, USA: 37-72. ISBN: 979-8-3693-4330-2; EISBN: 979-8-3693-4331-9. DOI: 10.4018/979-8-3693-4330-2.ch002.

Department of Agronomy

Research Papers and Articles

1. Sanodiya, P., & Sonowal, T. (2025). Effect of establishment methods & 4HPPD inhibitors on weeds, productivity and economicsof Kharif maize under Bael based agri-horti system. *Indian Journal of Agroforestry*, 27(2). https://epubs.icar.org.in/index.php/IJA/article/view/150469 (ISSN: 0972-0715).
2. K.P. BHUSAL, &PRATIK SANODIYA. (2025). Effect of crop density and herbicides on weed dynamics and yield of maize (Zea mays). *Indian Journal of Agronomy*, 70(1), 113-116. https://doi.org/10.59797/ija.v70i1.6347(ISSN: 0537-197X).
3. Bhusal, K.P. Sanodiya*, P., Singh, M.K., & Mishra , N. (2025). Effect of crop geometry, ALS and 4-HPPD inhibitor herbicides on weeds, soil enzymes and yield of maize. *Indian Journal of Weed Science*, 57(1): 127–130. http://dx.doi.org/10.5958/0974-8164.2025.00020.8
4. Gupta, H., Sanodiya, P., Singh, A., & Dogra, R. (2024). Land-use systems for biomass, carbon storage, and carbon credit: implications for climate change mitigation in subtropical pockets of Vindhyan region, India. Society of Industrial Chemistry and John Wiley & Sons Ltd. *Biofuels, Bioproducts and Biorefining*, , DOI: 10.1002/bbb.2664 (ISSN: 1932-1031)
5. Naik, B. V., Ahmad, M. A. ., Jangde, S. .,Sanodiya, P. ., Ray, M. ., Reddy , K. M. ., & Jat, M. (2024). Effects of Foliar Application of Salicylic Acid On Morphological, Biochemical and Yield Attributes of Maize (Zea Mays L.) Under Rainfed Condition. *Bangladesh Journal of Botany*, 53(2), 273–278. https://doi.org/10.3329/bjb.v53i2.74046 (ISSN: 0253-5416).
6. 6.Lilhare, S., Sanodiya, P., Dwivedi, V. K., & T. Singh, T. (2024). Leveraging Artificial Intelligence (AI) for Soil Management: A Comprehensive Overview. *Journal of Emerging Technologies and Innovative Research (JETIR)*, Volume 11(4): 230-238. (ISSN:2349-5162).
7. Shivam Kumar, Pratik Sanodiya, A K Jha, M.P. Sahu, & Badal Verma. (2024). Effect of 2, 4-D sodium salt on weeds, growth and yields in rabi maize (*Zea mays* L.). *Indian Journal of Agronomy,* 68(4), 426-429. https://doi.org/10.59797/ija.v68i4. 5466 (ISSN: 0537-197X)
8. Pratik Sanodiya*. (2024). Effect of 2, 4-D Sodium salt 80% WP on growth, productivity and nutrient uptake of rabi Maize (Zea mays L.). *Maize Journal*, 13(2): 1-5, (ISSN: 2278-8867).
9. Pratik Sanodiya*. (2024). OPTIMISING THE DOSE OF 2, 4-D SODIUM SALT FOR WEED CONTROL AND ECONOMICS OF RABI MAIZE (ZEA MAYS L.) IN VARANASI, INDIA. *Agricultural Research Journal*, 61 (1): 1-5, (ISSN: 0367-8245).
10. Singh, N. K., Singh, U. P., Jha, S., & Singh, A. K. (2024). Crop Establishment and Weed Management in Direct Seeded Rice: A Comprehensive Analysis. *Ecology, Environment & Conservation (0971765X), 30*.
11. Mahapatra, D., Singh, U. P., Singh, N. K., Lakshmi, D. U., Singh, A., & Jha, S. (2024). Nanofertilizers: A Paradigm Shift Towards Agricultural Sustainability. *International Journal of Agriculture, Environment and Biotechnology*. 17: 307-319
12. Bhangare, R.V., Singh, U.P., Jangde, S. and Prakash, P.(2024) Physiological and Biochemical Basis of Variation in Yield of Rice (*Oryza sativa* L.) under under CA-based Crop Establishment Methods and Nutrient Management in R-W Cropping System. *Indian Journal of Agricultural Research* , 7.
13. Upadhyay, A., Singh, U. P., Singh, N. K., Mahajan, N. C., Verma, K., & Jha, S. (2024). Impact of Crop Establishment and Nutrient Management on Wheat Growth under Rice-Wheat System. *International Journal of Plant & Soil Science*, 36(8), 847-853.
14. Upadhyay, A., Singh, U. P., Singh, N. K., Mahajan, N. C., Verma, K., Jha, S., & Singh, R. P. (2024). Effect of Crop Establishment Methods and Precision Nutrient Management on Growth, Yield Attributes and Yield of Rice under Rice-wheat System. *International Journal of Plant & Soil Science*, 36(7), 501-507.
15. Bhardwaj L, Kumar D, Singh U. P., Joshi C. G., Dubey S. K., (2024). Herbicide application impacted soil microbial community composition and biochemical properties in a flooded rice field. *Science of the Total Environment*. 914; 169911.
16. Kunjam Hrudaya, S.P. Singh, Sant Prasad, Ved Prakash 2024. Growth and yield of late sown winter baby corn (*Zea mays*) as influenced by NPK levels. *Indian J. Agron.* 69 (01): 104-107.
17. K. Vyasraju, S.P. Singh, Sant Prasad and Ved Prakash 2024.Assessment of varying levels of nitrogen and zinc sulphate on growth and yield of winter baby corn (*Zea mays* L.). *Agriculture Research Journal* 61 (01): 140-144.
18. K Nithinkumar, S.P. Singh, Ved Prakash, B. Shreyas, N Saikia, K.S. Dass, A. and Singh, A.Sachin 2024. Nutrient uptake, protein and soil fertility status of winter baby corn (*Zea mays* L.) as influenced by nitrogen management and detasseling time.*J. of Soil & Water Conservation* 23 (02): 203-208.
19. K. Nithinkumar, S. P. Singh, Ved Prakash, Saikia N., S. Bagrecha, K. S. Sachin, A. Das, A. Singh 2024. Nitrogen and detasseling influences growth, yield and economics of male sterile baby corn (*Zea mays*). *Indian J. Agron.* 69 (02): 211-215.
20. K Nithinkumar, S.P. Singh, Ved Prakash, B. Shreyas, N Saikia, A. Dass, Dolina D. A.and Devikar A. R.2025. Growth, productivity and quality of male sterile baby corn (*Zea mays*) hybrid under varying nitrogen levels and time of detasseling. *Indian Journal of Agricultural Sciences* 95 (04): 474-478.
21. Singh, S.P. and Kumar, Sandeep 2024.Influence of nitrogen fertilization on quality parameters and heat use efficiency of basmati rice.*Communications in Soil Science and Plant Analysis*:01-16.https://doi.org/10.1080/00103624.2024.2385581
22. Singh, S.P. and Kumar, Sandeep 2024.Nitrogen regimes affect agro-physiology, carbon assimilation and sink behavior of scented rice. *Journal of Plant Nutrition*:0-19https://doi.org/10.1080/01904167.2024.2408405
23. Singh M. K., Yadav S. K., Rajput B. S. and Sharma P. (2024) Carbon storage and economic efficiency of fruit-based systems in semi-arid region: a symbiotic approach for sustainable and climate resilience. *Carbon Research* 3: 33 *[Springer Nature, Scopus Listed]* https://doi.org/10.1007/s44246-024-00114-3
24. Teotia V., Singh M. K., Sonu, Prasad S.K. and Hussain K. (2024) Evaluation of various herbicide combination for weed control in wheat. *Environment, Ecology and Conservation*30(Supplementary issue): S368–S372 [*Scopus Listed*] http://doi.org/10.53550/ EEC.2024.v30i03s.063
25. Mona Nagargade, Manoj Kumar Singh, Vishal Tyagi, Prabhu Govindasamy, Anil K. Choudhary, Kuldeep Rajpoot , Adarsh Kumar , Preeti Singh &Debalin Sarangi.2024. Ecological weed management and square planting infuenced the weed management, and crop productivity in direct-seeded rice, Scientific Report 14:10356 https://doi.org/10.1038/s41598-024-56945-y
26. Sanskruti Nayak, J K Singh*, Mrinal Sen, M K Singh, Swapnashree Sahoo. 2024.Evaluating Bio-efficacy of Early Post-Emergence Herbicides on Weed Control, Yield, and Economic Outcomes in Bt Cotton (Gossypium hirsutum L.) African Journal of Biological Sciences 6(14): 9736-9749 https://doi.org/10.48047/AFJBS.6.14.2024.9736-9749
27. Nilutpal Saikia, Manoj Kumar Singh , Vijay Pooniya, Prabhu Govindasamy, Aakash, Dendukuri Udaya Lakshmi, KadagondaNithinkumar, Shreyas Bagrecha, S K Asraful Ali and Sunil Kumar Prajapati.2024.Effects of pre-mix herbicide combinations on weed management in transplanted rice (Oryza sativa) Indian Journal of Agricultural Sciences 94 (12): 000–000, December 2024/Short Communications https://doi.org/10.56093/ijas.v94i12.15351
28. Nilutpal Saikia, Manoj Kumar Singh, Aakash , Dendukuri Udaya Lakshmi, KadagondaNithinkumar, Shreyas Bagrecha, Niraj Biswakarma, Kanika Bhatt, Sk. Asraful Ali and Vikash Kumar.2024.Performance of Post-Emergence Herbicide Combinations on Weed Management and Crop Yield in Direct Seeded Rice (Oryza sativa L.) International Journal of Environment and Climate Change Volume 14, Issue 1, Page 91-96, 2024; Article no.IJECC.111754 ISSN: 2581-8627.
29. Singh, Alok Kumar, Singh, J.K., Kumar, Rikesh, Sharma, Prashant Kumar, Singh, Midhun Nasam, Kumar, Bipin and Srinivasan, Shruthi (2024) Various presowing treatments for enhancing *Melia dubia*(Cav.) seed germination, seedling development, and vigorindex.*Trees, Forests and People*, 17,100629, *https://doi.org/10.1016/j.tfp.2024.100629*.
30. Vishwakarma, S. P., Singh, J. K., Sharma, Prashant, Singh, Alok Kumar and Kumar, Nasam Midhun (2024) Sulphur and boron application for enhanced yield of blackgram (*Vigna mungo* L.) under custard apple (*Annona squamosa* L.) based agroforestry system in Vindhyan region. *Ecology, Environment and Conservation,* 30:S409-S417*; http://doi.org/10.53550/EEC.2024.v30i04s.068*.

31. Nayak, Sanskruti, Singh,J. K, Sen, Mrinal, Singh, M. K., and Sahoo, Swapnashree (2024) Evaluating Bio-efficacy of Early Post-Emergence Herbicides on Weed Control, Yield, and Economic Outcomes in *Bt*Cotton (*Gossypium hirsutum* L.). *African Journal of Biological Sciences*, 6(14) page 9737 of 14*; https://doi.org/10.48047/AFJBS.6.14.2024.9736-9749*
32. Sinha, Alok, Singh, Jainendra Kumar,Rajpoot, Sudhir Kumar, Vijayakumar, S. and Singh, Ankur (2025) Efficacy of post-emergence application of haloxyfop-R-methyl on weed control, yield and economics of soybean, *Indian Journal of Weed Science,* 57(1): 146–149.
33. Singh, J. K. and SinghRicha (2024)Crop Nutrient Optimization by Greenseeker™: *A New Era in Fertilization Practices*: *Bring a natural balance to your nutrition*, AgriGate, An International Multidisciplinary Monthly e-Magazine, 04(9): 380-386, Address: H.No 13692/9, Udayanagar 2, Post VFJ Estate, Jabalpur, Madhya Pradesh- 482009
34. Singh, D., Sharma, N.L., Sarkar, S.K., Singh, D., Rathore, A., Siddiqui, M.J., Prasad, S.K., Abdel- Gaafar, R.Z. and Hussain, S. Zinc oxide nanoparticles alleviate chromium-induced oxidative stress by modulating physio-biochemical aspects and organic acids in chickpea (*Cicer arietinum* L.). Plant Physiology and Biochemistry. (2024) 206: 10816; doi.org/10.1016/j.plaphy.2023.108166 ISSN:0981-9428
35. Barik, B.R., Singh, Y., Prasad, S. K. and Sahoo, M. Effect of Sowing Time, Nitrogen, and Zinc Scheduling on Chlorophyll content and Number of Spikelets per Spike in Wheat (*Triticum aestivum* L.) . *Biological Forum – An International Journal. (2024)* 16(4): 46-49; ISSN:*0975-1130*
36. Teotia, V., Sonu, Singh, M. K., Prasad, S. K., Husain, K. (2024)Evaluation of various herbicide combinations for weed control in wheat crop.Eco. Env. & Cons. (2024) 30 (Suppl. Issue): S368-S372. ISSN: 0971–765X
37. Kumar, P., Prasad, S. K., Kumar, Yadav, D., K. , Upadhyay, A. and Mahajan, N. C. (2025). "Above and below Ground Dried Biomass of Wheat and Biomass Derived Indices As Influenced by Bio Priming Levels and Nitrogen Management Practices under Agro-Climatic Conditions of Eastern Uttar Pradesh, India". International Journal of Plant & Soil Science 37 (5):478-83. https://doi.org/10.9734/ijpss/2025/v37i55470. ISSN: 2320-7035
38. Rana, R., Kumar, B. Prasad, S.K.and Ankit Pandey (2025) Nutrient content and uptake of pearl millet influenced by Nitrogen and FYM (Pennisetum glaucum L.) under Custard Apple-Based Agri-Horti System. (2025) 31 (January Suppl. Issue): (S160-S165) ISSN 0971–765X
39. Sushma,M. , Singh, J.P., Rajpoot, S.K., Bhushan,C., Verma ,S.K. Singh,N.K., Tripathi,A., Vijayakumar,S., Chaudhary, R., and Singh,U.(2024). Effect of integrated nutrient management on the growth and yield of YellowSarson (Brassica rapa var. yellow sarson) under quava (*Psidium guajava*) basedagri-horti system. *Indian Journal of Agronomy, 69*(3).
40. Singh RK, Upadhyay PK, Dhar S, G. A. R, Singh VK, Kumar R, Rajpoot,SK(2024) System of wheat intensification (SWI): Effects on lodging resistance, photosynthetic efficiency, soil biomes, and water productivity. PLoS ONE 19(4): e0299785. https:// doi.org/10.1371/journal.pone.0299785
41. Verma, S. K., Bhushan, C., Rajpoot, S. K., Chaudhary, R., Meena, R., Kashyap, S. K., ... & Yadav, D. K. (2025). Herbicide and irrigation management options in conventionally-tilled wheat: deciphering water and energy budgeting, and grain and monetary output in north-Indian plains. *Scientific Reports*, *15*(1), 1612.. https://doi.org/10.1038/s41598-024-81578-6
42. Meena, R. S., Pradhan, G., Singh, K., Kumar, S., Singh, A. K., Shashidhar, K. S., ... & Rao, C. S. (2024). Agriculture models for restoring degraded land to enhance CO2 biosequestration and carbon credits in the Vindhyan region of India. *Science of the Total Environment*, *929*, 172661.
43. Meena, R. S., Lal, R., Kumar, S., Pradhan, G., Srinivasarao, C., Singh, A. K., ... & Singh, S. (2024). Potential of Indian agriculture for capturing atmospheric CO2 and monetizing carbon credits to the farmers: An overview and policy framework. *Advances in agronomy*, *188*, 101-206.
44. Meena, R. S., Pradhan, G., Nalani, Kumar, S., Singh, A. K., Verma, S. K., ... & Chaturvedi, R. K. (2024). Diversified cropping modules designed for soil restoration, CO2 sequestration, and generating carbon credits. *Land Degradation & Development*, *35*(14), 4314-4329.
45. Choudhary, V. K., &Meena, R. S. (2024). Advanced technological adaptations can improve the energy-cum-carbon-efficiency of diverse rice production systems. *Heliyon*, *10*(6).
46. Jangir, C. K., Sangwan, P. S., Panghaal, D., Kumar, S., Meena, R. S., Bharti, ... & Singh, N. (2024). Spatial variability and statistical analysis of soil properties in the rice wheat-based systems of North-West India. *Communications in Soil Science and Plant Analysis*, *55*(8), 1205-1223.
47. Raman, R. K., Kumar, A., Sarkar, S., Yadav, A. K., Mukherjee, A., Meena, R. S., ... & Kumar, V. (2024). Reconnoitering precision agriculture and resource management: a comprehensive review from an extension standpoint on artificial intelligence and machine learning. *Indian Res J Ext Educ*, *24*, 108-123.
48. Verma SK, Bhushan C, Rajpoot SK, Chaudhary R, Meena R, Kashyap SK, Pratap V, Jaysawal PK, Singh SB, Singh RK and Yadav DK. 2025.Herbicide and irrigation management options in conventionally-tilled wheat: deciphering water and energy budgeting, and grain and monetary output in north-Indian plains. *Scientific Reports* 15:1612, https://doi.org/10.1038/s41598-024-81578-6(IF 4.379)
49. Sushma M, Singh JP , Rajpoot SK, Bhushan C, Verma SK, Singh NK, Tirpathi A, Kumar SV, Chaudhary R, and Singh U. 2024. Effect of integrated nutrient management on the growth and yield of Yellow Sarson (*Brassica rapa* var. yellow sarson) under guava (*Psidium guajava*) based agri-horti system. *Indian Journal of Agronomy* 69 (3): 352-355. DOI: 10.59797/ija.v69i3.5535.
50. Meena RS, Pradhan G, Kumar Nalan KS, Singh AK, Verma SK, Mina KK, Kumar S and Chaturvedi RK. 2024. Diversified cropping modules designed for soil restoration, CO2 sequestration, and generating carbon credits. *Land Degradation & Development*, 1–16. https://doi.org/10.1002/ldr.5224(IF 4.977)
51. Sushma M, Singh JP , Rajpoot SK, Chandra Bhushan, Verma SK, Singh NK, Tirpathi A, Kumar SV, Chaudhary R, and Singh U. (2024). Effect of integrated nutrient management on the growth and yield of Yellow Sarson (*Brassica rapa* var. yellow sarson) under guava (*Psidium guajava*) based agri-horti system. *Indian Journal of Agronomy* 69 (3): 352-355. DOI: 10.59797/ija.v69i3.5535.
52. Chandra Bhushan, Verma S.K. and Sudhir Kumar Rajpoot (2024) Technological Options for Revitalizing Pulse Production in India. International Journal of Agriculture, Environment and Biotechnology. 17(Special Issue): 351-360.
53. Swati Dash, Anil Shukla, Supriya, Monica Yaying, Sudarshan S., Shashank Patel and Chandra Bhushan (2024) Growth and productivity of Indian mustard (*Brassicajuncea* l.) As influenced by different pre and post emergent application of herbicides under foothills of Shivalik Himalayan, India. Plant Archives Vol. 24, No. 2, pp. 1899-1904.
54. Amitesh Kumar Singh, Ravi Shanker, Rakesh Kumar, Nikhil Kumar Singh and Amit Kumar Singh. (2024) Effect of Integrated Weed Management on Productivity and Profitability of Blackgram (Vigna mungo L.) under Hill and Plateau Region of Eastern India. Eco. Env. & Cons. 30 (4) : 2024; pp. (1766-1771)

Books and Book Chapters

1. Sandeep Kumar, Ram Swaroop Meena, ParvenderSheoran, Manoj Kumar Jhariya. 2024. Regenerative Agriculture for Sustainable Food Systems. Springer Nature, ; ISBN 978-981-97-6693-2https://doi.org/10.1007/978-981-97-6691-8
2. Shiv Vendra Singh, Sandip Mandal, Sumit Chaturvedi, *Ram Swaroop Meena. 2024. Biochar Production for Green Economy: Agricultural and Environmental Perspectives, *Elsevier,* ISBN-13: 978-0443155062.*https://doi.org/10.1016/C2022-0-01743-8*
3. Rahman, Md Mizanur, Chandra Biswas, and *Ram Swaroop Meena. 2024. Climate Change and Soil-Water-Plant Nexus: Agriculture and Environment. Springer Nature, ISBN-978-981-97-6634-5 https://doi.org/10.1007/978-981-97-6635-2
4. Pratik Sanodiyaand Sanjay Lilhare. Precision farming, Geo-informatics and Nano-technology. Kalyani Publishers, First edition, 2024, (ISBN 978-93-6440-595-9).
5. Pratik Sanodiya, Suchit Kumar Rai and Anil Kumar Rai. Introduction to Agrometeorology. Kalyani Publishers, First edition, 2024, (ISBN 978-93-6440-404-4).
6. Pratik Sanodiya and Samar Singh. Crop Production Technology of Kharif Crops with practicals, Kalyani Publishers, Second edition, 2025, (ISBN 978-93-89667-50-9).
7. International book chapter (Springer, Elsevier, *etc*.)
8. Islam, M., Rahman, M. M., &Meena, R. S. 2024. Consumption of Biologically Fixed Green Nitrogen and Agricultural Sustainability, Springer doi10.1007/978-981-97-6635-2_17
9. Al-Amin, H.M., Rahman, M.M., Meena, R.S., Biswas, J.C., Alam, M.S., Kamal, M.Z.U. (2024). Current Scenario and Challenges for Agricultural Sustainability. In: Rahman, M.M., Biswas, J.C., Meena, R.S. (eds) Climate Change and Soil-Water-Plant Nexus. Springer, Singapore. https://doi.org/10.1007/978-981-97-6635-2_14
10. Kumar, S., Meena, R.S., Sheoran, P., Jhariya, M.K., Ghosh, S. (2024). Regenerative Agriculture for Sustainable Food System: An Overview. In: Kumar, S., Meena, R.S., Sheoran, P., Jhariya, M.K. (eds) Regenerative Agriculture for Sustainable Food Systems. Springer, Singapore. https://doi.org/10.1007/978-981-97-6691-8_1
11. Srinivasarao, C., Rakesh, S., Kumar, G. R., Jagadesh, M., Nataraja, K. C., Manasa, R., Kundu, S., Malleswari, S., Rao, K. V., Prasad, J. V. N. S., Meena R. S., ... & Lal, R. 2024 Water Storage in the Rest Zone by Enhancing Soil Organic Matter Content in the Rest Zone Managing Soil Drought, CRC Press DOI: 10.1201/b23132-5
12. Mitran, T., Suresh, J., Sujatha, G., Sreenivas, K., Karak, S., Kumar, R., ... &Meena, R. S.2024 Digital Soil Mapping: A Tool for Sustainable Soil Management Springer doi10.1007/978-981-97-6635-2_3
13. Srinivasarao, C., Rakesh, S., Kumar, G. R., Jagadesh, M., Nataraja, K. C., Manasa, R., ... Meena, R. S., ... & Lal, R. 2024 Drought Management in Soils of the Semi-Arid Tropics Managing Soil Drought, CRC Press DOI: 10.1201/b23132-6
14. Labanya, R., Sahu, P., Mandal, S., Singh, S. V., &Meena, R. S. 2024 Crop waste conversion into biochar: an overview Academic Press DOI: 10.1016/B978-0-443-15506-2.00027-4
15. Bera, A., Meena, R. S., Barman, A., & Saha, P. 2024 The use of biochar to reduce carbon footprint: toward net zero emission from agricultureAcademic Press DOI: 10.1016/B978-0-443-15506-2.00001-8
16. Bagrecha, S., Nithinkumar, K., Saikia, N., Meena, R. S., Singh, A., & Singh, S. V. 2024 Microbial dynamics and carbon stability under biochar-amended soils Academic Press DOI: 10.1016/B978-0-443-15506-2.00007-9
17. Jhariya, M. K., Meena, R. S., Banerjee, A., Kumar, S., & Raj, A 2024 Agroforestry for Carbon and Ecosystem ManagementAcademic Press ISBN: 9780323953931
18. Banerjee, A., Jhariya, M. K., Raj, A., Kittur, B. H., Meena, R. S.,&Mechergui, T. 2024 Agroforestry modeling for natural resource management Academic Press DOI: 10.1016/B978-0-323-95393-1.00007-5
19. Dutta, A., Patra, A., Nain, P., Jatav, S. S., Meena, R. S., Mukharjee, S., ... & Pradhan, C. 2024 Engineered biochar: potential application toward agricultural and environmental sustainabilityAcademic Press DOI: 10.1016/B978-0-443-15506-2.00016-XRaj, A., Jhariya, M. K., Banerjee, A., Meena, R. S., Kumar, S., & Devi, A 2024 Agroforestry and ecosystem servicesAcademic Press DOI: 10.13140/RG.2.2.33185.31840
20. Jhariya, M. K., Raj, A., Banerjee, A., Meena, R. S., Devi, A., & Kittur, B. H. 2024 carbon emission reduction and carbon management Academic Press
21. Barman, A., Bera, A., Saha, P., Dey, S., Sen, S., Meena, R. S., ... & Singh, A. K. 2024Biochar enhances carbon stability and regulates greenhouse gas flux under crop production systemsAcademic Press DOI: 10.1016/B978-0-443-15506-2.00021-3
22. Raj, A., Jhariya, M. K., Banerjee, A., Meena, R. S., Jha, R. K., Kittur, B. H., & Singh, K. P 2024 Agroforestry to mitigate the climate change Academic Press https://doi.org/10.1016/B978-0-323-95393-1.00025-7Meena, R. S., Singh, A. K., Jatav, S. S., Rai, S., Pradhan, G., Kumar, S., ... &Jhariya, M. K 2024 Significance of soil organic carbon for regenerative agriculture and ecosystem servicesElsevierhttps://doi.org/10.1016/B978-0-323-95482-2.00010-9
23. Sanjay Lilhare and Pratik Sanodiya. Soil microbe's role in soil fertility. Modern Farming- Insights into Sustainable Agriculture, VITAL BIOTECH PUBLICATION. https://www.portico.org/publishers/vital/. 97-104, 2024. ISBN: 978-81-966753-7-0.
24. Pratik Sanodiya, Hitesh Gupta, Sanjay Lilhare and Lalit Sanodiya. Crop Residue Management in Rice-Wheat Cropping System. FOOD SECURITY. Mahima Research Foundation and Social Welfare 194, Karaundi, Banaras Hindu University, Varanasi-221005, UP. 1-14, 2024. ISBN: 978-81-965883-2-8.
25. Neelkamal Mishra, Pratik Sanodiya, Sanjay Lilhare, A. K. Jha, Lalit Sanodiya, M. P. Sahu and Badal Verma.Maize as a Future Crop for Food, Nutritional and Economic Security under Changing Climatic Conditions. FOOD SECURITY. Mahima Research Foundation and Social Welfare 194, Karaundi, Banaras Hindu University, Varanasi-221005, UP. 37-48, 2024. ISBN: 978-81-965883-2-8.
26. Lalit Kumar Sanodiya, Pratik Sanodiya, Sanjay Lilhare and Hitesh Gupta. Sustaining Soil Health: Principles and Practices. FOOD SECURITY. Mahima Research Foundation and Social Welfare 194, Karaundi, Banaras Hindu University, Varanasi-221005, UP. 96-106, 2024. ISBN: 978-81-965883-2-8.

27. Sudhir Kumar Rajpoot, Nikhil Kumar Singh, Pratik Sanodiya, Richa Chaudhary, Amit Yadav, S. Vijay Kumar, Gaurendra Gupta, Raghavendra, Utkarsh Singh, and Hanamant Halli. Dynamics of Nutrients, Soil Organic Carbon and Smart Nutrient Management Practices. Technological Approaches for Climate Smart Agriculture, Springer Nature Switzerland. 79-107, AG 2024. https://doi.org/10.1007/978-3-031-52708-1_5.
28. Rajpoot SK, Kumar A, Gupta G,Chaudhary R, Raghavendra, Verma SK, Kumar SV, Bhushan C and Bhusal R. 2024. Dimensions of Climate Smart Agriculture. In: Kumar, P., Aishwarya (eds) Technological Approaches for Climate Smart Agriculture. Springer, Cham. Pp.- 277-301. https://doi.org/10.1007/978-3-031-52708-1_14
29. Devilal Birla, Suwa Lal Yadav, Gajanand, R. A. Patel, and Pratik Sanodiya. Agronomic Techniques to Improve Environmental Restoration and Climatic Resilience in the Agroforestry System. Agroforestry Solutions for Climate Change and Environmental Restoration, Springer Nature Singapore Pte Ltd. 437-462, 2024. https://doi.org/10.1007/978-981-97-5004-7_20.
30. Pratik Sanodiya, Manoj Kumar Singh, Nikhil Kumar Singh, Sudhir Kumar Rajpoot, Sanjeev Kumar and Neelkamal Mishra. Cover crop and live mulch–A weed control strategy in direct seeded rice. ICAAAS–An Edited Book (Volume-3) Astha Foundation, Meerut (U.P.) India Edition, 83-89, 2024 ISBN : 978-81-958010-7.
31. Manoj Kumar Singh, Rajesh Kumar Singh, Pratik Sanodiyaand Sanjeev Kumar, Kharif Tilhano Me EkikratKharpatwarPrabandhan, EkikratKharpatwar ki Navin taknikiyan, 38-43, 2024 ISBN : 978-81-981439-1.-4
32. Verma K., Sharma P., Bhardwaj D.R., Singh M.K., Verma T. and Thakur P (2024) Traditional Agroforestry Practices in the Indian Himalayas. In: Learning 'from' and 'with' the Locals, Advances in Asian Human-Environmental Research, Borthakur A., Singh P. (Eds.). Springer Nature– Switzerland AG. pp 135–162. https://doi.org/10.1007/978-3-031-51696-2_7
33. Sharma P., Verma K., Bhardwaj D.R., Singh M.K., Kumar D., Thakur P. (2024) *Pinus roxburghii* Sarg: Needle Management to Combat Forest Fire. In: *Solid Waste Management*, Singh R.P., Suhani I., Ismail N., Srivastava V.(Eds.). CRC Press, Boca Raton. pp 295–311. https://doi.org/10.1201/9781003543176
34. Singh, J K, Singh, Richa and Sai, Sashank, Putta (2024)Recent Trends in Improving Nutrient Use Efficiency in Crop Production: *Agriculture and allied sciences-Recent advances & Innovative approaches for climate smart agriculture*, Mahima Research Foundation and Social Welfare 194, Karaundi, Banaras Hindu University, Varanasi-221 005, UP, India, pages 31-42, ISBN: 978-81-965883-8-0.
35. Nepali, Anamika, Singh,J.K., Verma,Pawan Kumar, Sahoo, Swapna Shree, Mrinal Sen, Yadav, Sova, Dube, Anupam and Kumar, Tushar (2025)Elevation of Nutritional Quality Through Holistic Agricultural Overhaul: *Sustainable Food Systems: Biodiversity and Climate Adaptation*, Narendra Publishing House Publisher and Distributor, C-21, Varun Apartment, Sector -9, Rohini New Delhi, pages 386-427. ISBN: 978-93-5651-716-5
36. Sinha, Alok, Singh, J.K., Abhinab Geetakrishna and Kumari, Pooja (2025) Preparation of FYM: *Emerging Trends in Agriculture Sciences*, Integrated Publications, H. No. 3, Pocket - H34, Sector - 3, Rohini, Delhi - 110085, India, Vol. 6, pages 83-92. ISBN: 978-93-5834-997-9; https://www.integratedpublications.in/edited-book-archives/emerging-trends-in-agriculture-sciences/2022/volume-6/1748514156-preparation-of-fym
37. Reddy, M.B., Prasanth, B., Praveen, B.R., Sravani, P., Sravani, S., Kumar, A., Naveen, A., Kumar, R., Reddy, G.R.M., Bedwal, S. and Singh, U.P. (2024). Beneficial Rhizobacterial Biomes: A Natural Drought Stress Alleviators for Sustainable Crop Production. In: Plant Holobiome Engineering for Climate-Smart Agriculture, Singapore: Springer Nature Singapore, p 33-49.
38. Lalit Kumar Sanodiya and Pratik Sanodiya. Role of technology in agriculture. Modern Farming- Insights into Sustainable Agriculture, VITAL BIOTECH PUBLICATION. https://www.portico.org/publishers/vital/. 17-32, 2024. ISBN: 978-81-966753-7-0.

Department of Dairy Science and Food Technology

Research Papers and Articles

1. Agarwal, A., Gandhi, S., Tripathi, A. D., Gupta, A., Iammarino, M., & Sidhu, J. K. (2024). Food contamination from packaging material with special focus on the Bisphenol-A. *Critical Reviews in Biotechnology*, 1-11.
2. Aggarwal, A., &Verma, T*. (2025). Optimizing fermentation condition and shelf life study of black wheat rawaidli using artificial neural network-enhanced response surface methodology. *Journal of Stored Products Research*, *111*, 102574.
3. Aggarwal, A., Parmar, A., Panigrahi, S. P., Verma, T*., Dhyani, P., Bajya, S. L., & Singh, M. S. (2024). Exploring the probiotic and prebiotic dynamics of cheese: An updated review. *Annals of Phytomedicine*, *13*(1): 360-369.
4. Ahuja, A., Kaul, G., Dua, S., Agarwal, A., & Tripathi, A. D. (2024). Impact of Climate Change in Sustainable Food Production. In *Sustainable Food Systems (Volume I) SFS: Framework, Sustainable Diets, Traditional Food Culture & Food Production* (pp. 413-435). Cham: Springer Nature Switzerland.
5. Aparnna, V. P., Chauhan, A. K., Singh, S., Prakash, R., &Maiti, P. (2024). Rheological, Textural and Sensorial Properties of Quarg-Type Cheese Incorporated with Encapsulated Terminalia Arjuna. *Food Chemistry Advances*, *4*: 100-549.https://doi.org/10.1016/j.focha.2023.100549
6. Bajya, S.L., Bunkar, D.S., Goyal, S.K., Singh, M.K., Paswan, V.K., Lal, S., &Dhyani, P. (2024). Foodomics-based metabolites profiling of the Greek yogurt incorporated with unripened papaya peel powder. *Food Chemistry: Molecular Sciences*, 8: 100-199.https://doi.org/10.1016/j.fochms.2024.100199
7. Bakshi, S., &Paswan, V.K. (2025). Exploring the bio-functional potential of polysaccharides from Morchella esculenta: A mini review. *Food Biomacromolecules*.https://doi.org/10.1002/fob2.70006
8. Bakshi, S., Kanetkar, P., Bunkar, D.S., Browne, C., & Paswan, V.K. (2025). Chlorella sp. as a promising protein source: insight to novel extraction techniques, nutritional and techno-functional attributes of derived proteins. *Critical Reviews in Food Science and Nutrition*, 1-29.https://doi.org/10.1080/10408398.2025.2491646
9. Bhinchhar, B.K., Paswan, V.K.,Kharkwal, S., Yadav, S.P., Singh, A.P., Kumar, V. and Kanetkar, P. 2024. Analysis of Organochlorine Pesticide Residues in Bovine Milk Samples in Varanasi Region, India. *Animal Nutrition and Feed Technology,* 24: 387-403.https://doi.org/10.5958/0974-181X.2024.00030.3
10. Borah, S., Kakoty, T., Borah, P.K., Mahnot, N. K., Seth, D., Patra, F., Duary, R.K. (2024). Optimization of water chestnut (*Trapa bispinosa*) starch, fructo-oligosaccharide and inulin concentrations for low-fat flavoured yogurt consisting probiotic *Lacticaseibacillusrhamnosus* strain. *Sustainable Food Technology*, 2: 837–848.https://doi.org/10.1039/D4FB00101J
11. Chaudhary, A., Saharan, B. S., Tyagi, S., Goyal, C., Mandal, N. K., Kumar, R., Duhan, J. S., & Badoni, P. (2024).Probiotics as Potential Therapeutics for Managing COVID-19: Mechanisms and Implications. *Microbiology Research Journal International*, 34(9): 48-57.https://doi.org/10.9734/mrji/2024/v34i91480
12. Chhetri, P. O., Tripathi, A. D., Nandan, A., Panesar, P. S., & Agarwal, A. (2025). Process optimization for development of black carrot (Daucus carota ssp. Sativus Var. Atrorubens alef) wine with improved sensorial and physicochemical attributes. *Journal of Food Science and Technology*, 1-12.
13. Choudhary, Rakesh, Arun Kumar, Kamalesh Kumar Meena, Nikita Katara, and Sunil Meena. 2025. "Functional Properties and Challenges in Production of Goat Milk-Fruit Pulp Based Composite Sweets". *European Journal of Nutrition & Food Safety*, 17(7): 226-41.https://doi.org/10.9734/ejnfs/2025/v17i71780.
14. Devpal, R., Verma, T*., Aggarwal, A., & Sharma, R. (2025). Formulation and quality attributes of nutrient-enriched black wheat rusks. *Journal of Cereal Science*, *123*, 104156.
15. Gahlot, D., Kharkwal, S., Bhinchhar, B.K. and Paswan, V.K. (2024). Determinants of Farmer's Choice of milk marketing outlet in Jaipur District of Rajasthan: Farmer's choice in milk marketing outlet. *Indian Journal of Dairy Science*, 77(2): 171-178.https://doi.org/10.33785/IJDS.2024.v77i02.011
16. Ghosh, S., Tripathi, A. D., Nandan, A., Agarwal, A., Paul, V., Hooda, A., & Rai, H. (2025). Valorization of waste cooking oil (WCO) for production of polyhydroxyalkanoates (PHAs) copolymers using Bacillus megaterium MTCC 428 and characterization by untargeted metabolomics. *Biomass Conversion and Biorefinery*, 1-11..
17. Gogoi, P., Manhot, N. K., Gautam, G., Duary, R.K. (2024). Banana peel nanocellulose and soy protein hydrolysate complexed colloidal nanoparticals synthesis using ultrasonic interventions: characterization and stable pickering emulsion formation. *Food Science and Biotechnology*, 33: 1859–1869.https://doi.org/10.1007/s10068-023-01477-w
18. Gupta, M. K., Balodi, V., Tripathi, A. D., Agarwal, A., & Nirmal, N. P. (2025). The importance of labeling and certification: ensuring quality and transparency. In *Unleashing the Power of Functional Foods and Novel Bioactives* (pp. 449-465). Academic Press.
19. Hooda, A., Mann, B., Sharma, R., & Bajaj, R. (2020). Physicochemical characterisation of native micellar casein concentrates from buffalo and cow skim milk harvested using microfiltration. *International Journal of Dairy Technology*, *73*(4): 781-789.
20. Hooda, A., Mann, B., Sharma, R., Tripathi, A. D., & Agarwal, A. (2025). Effect of pH variation on physicochemical and morphological properties of Micellar Casein Concentrate and its utilisation for nanoencapsulation of curcumin. *International Journal of Dairy Technology*, *78*(1), e13162.
21. Hooda, A., Mann, B., Sharma, R., Tripathi, A. D., & Agarwal, A. (2025). Effect of pH variation on physicochemical and morphological properties of Micellar Casein Concentrate and its utilisation for nanoencapsulation of curcumin. *International Journal of Dairy Technology*, *78*(1): e13162.
22. Hooda, A., Mann, B., Sharma, R., Tripathi, A. D., Rai, H. K., Singh, S., &Khosravi-Darani, K. (2025). Designing of nano capsules of curcumin using native casein micelles and their physicochemical, structural, stability and bioavailability analysis. *Journal of the Iranian Chemical Society*, *22*(4): 819-835.
23. Hooda, A., Mann, B., Sharma, R., Tripathi, A. D., Rai, H. K., Singh, S., &Khosravi-Darani, K. (2025). Designing of nanocapsules of curcumin using native casein micelles and their physicochemical, structural, stability and bioavailability analysis. *Journal of the Iranian Chemical Society*, *22*(4): 819-835.
24. Hooda, A., Nikam, P., Tripathi, A. D., & Bharadwaj, A. (2025). Effect of Processing Parameters on Lactose Hydrolysis. *Lactose Hydrolysis in Dairy Products*, 79-100.
25. Jagveer Singh, Amrita Poonia and Vasundhara Rao (2024) Profiling of bioactive compounds identified in functional gummies by metabolomics analysis using High-Resolution Accurate Mass-Spectrometry. *Food and Humanity*. May, 2024.https://doi.org/10.1016/j.foohum.2024.100327
26. Jakha, K. H., Goyal, C.,Dhyani, P., Rai, D. C., Saharan, B. S., Dhull, S. B., &Duhan, J. S. (2024). Characterization of *Langra* Mango Peel Powder and Assessment of Its Prebiotic and Antioxidant Potential. *Journal of Food Biochemistry*, 9026617. https://doi.org/10.1155/2024/9026617
27. Jaspal, S., Aggarwal, A, Verma, T., **Arvind** and Sharma, R. (2024). Development of multi millet bowls using little, kodo and barnyard: a sustainable altermatives to pastic cups. *Journal of Food measurement and Characterization* 18: 6485-6493.
28. Joshi, M., Meena, K. K., Kumar, A., & Meena, S. (2025). Optimization of a novel probiotic-fermented pearl millet-based strained yoghurt-like functional dessert: physicochemical, microbial and sensory characterization. *Sustainable Food Technology*, 3: 1074-1085.https://doi.org/10.1039/D5FB00001G
29. Joshi, Manvik, Kamalesh Kumar Meena, and Sunil Meena. (2025). "Systematic Review on Exploration of Donkey Milk As a Safe Alternative for Alleviating Cow Milk Protein Allergy". *European Journal of Nutrition & Food Safety*, 17(6): 361-76. https://doi.org/10.9734/ejnfs/2025/v17i61763.
30. Joshi, P., Chauhan, A. K., Ranjan, R., & Singh, S. (2024). Process standardization for development of value-added herbal oat cookies with Terminalia chebula Retz. powder and Artocarpus heterophyllus Lam. seed flour. *Annals of Phytomedicine*, *13*(2): 1092-1101.:http://dx.doi.org/10.54085/ap.2024.13.2.113
31. Kamal, N., Saharan, B. S., Duhan, J. S., Kumar, A., Chaudhary, P., Goyal, C., Kumar, M., Goyat, N., Sindhu, M., &Mudgil, P. (2024). Exploring the Promise of Psychobiotics: Bridging Gut Microbiota and Mental Health for a Flourishing Society. *Medicine in Microecology*,100118.https://doi.org/https://doi.org/10.1016/j.medmic.2024.100118
32. Kamboj, A., Sadh, P. K., Yadav, B., Kumari, A., Kumar, R., Surekha, Saharan, B. S., Brar, B., Kumar, D., Goyal, C.,&Duhan, J. S. (2024). Unraveling the potential of sugarcane bagasse: An eco-friendly and inexpensive agro-industrial waste for the production of valuable products using pretreatment processes for a sustainable bio-economy. *Journal of Environmental Chemical Engineering*, 12(6): 114-

461.https://doi.org/https://doi.org/10.1016/j.jece.2024.114461
33. Katara, Nikita, Arun Kumar, Kamalesh Kumar Meena, Rakesh Choudhary, Sunil Meena, and Shalabh Goel. 2025. "Fortification of Traditional Indian Dairy Sweets With Pearl Millet and Jaggery: A Comprehensive Review". *European Journal of Nutrition & Food Safety*, 17(7): 258-70. https://doi.org/10.9734/ejnfs/2025/v17i71782
34. Kaur, N., Kaur, S., Agarwal, A., Sabharwal, M., & Tripathi, A. D. (2024). Amaranthus crop for food security and sustainable food systems. *Planta*, *260*(3), 59.
35. Kaur, N., Thuanthong, A., Kaur, S., Agarwal, A., Sabharwal, M., Sahu, J.K., Arcot, J., Tripathi, A.D., Koirala, P. and Nirmal, N., (2025). Combat the growing prevalence of anaemia through underutilised iron-rich plant-based foods. *Journal of Agriculture and Food Research*, p.101688.
36. Kumar V., **Arvind**, Singh, M. K., Dhyani, P. and Rai, D. C. (2024) Bioactive metabolites identification of the foxnut and broken millet-based nutritional bar using HR-MS. Food Chemistry: Molecular Sciences, 9 (2024) 100214
37. Kumar, A., Bhayana, S., Singh, P. K., Tripathi, A. D., Paul, V., Balodi, V., & Agarwal, A. (2025). Valorization of used cooking oil: challenges, current developments, life cycle assessment and future prospects. *Discover Sustainability*, *6*(1), 1-31.
38. Kumar, A., Devi, R., Dhalaria, R., Tapwal, A., Verma, R., Rashid, S., &Verma, T*. (2025). Nutritional, nutraceutical, and medicinal potential of Cantharellus cibarius fr.: A comprehensive review. *Food Science & Nutrition*, *13*(1), e4641.
39. Kumar, V., Bunkar, D.S., Shiva, Kanetkar, P., Jha, A., Paswan, V.K.and Goyal, S.K. (2025). Evaluation of Functional and Sensory Properties of Ice-cream Incorporating Sea Buckthorn Seed Oil Microcapsules. *Food Research*, *1*(6): 6.https://doi.org/10.18805/ajdfr.DR-2323
40. Kumari Singh, P., Chopra, R., Garg, M., Chauhan, K., Singh, N., Homroy, S., & Tripathi, A. D. (2024). Shelf-Life Enhancement of Structured Lipids Rich in Omega-3 Fatty Acids Using Rosemary Extract: A Sustainable Approach. *ACS omega*, *9*(29): 31359-31372.
41. Kumari, A., Sadh, P. K., Kamboj, A., Yadav, B., Kumar, A., Sivakumar, S., Surekha, Saharan, B. S., Brar, B., Goyal, C., Dhull, S. B., &Duhan, J. S. (2024). Exploring the benefits of nutrition of little millet: unveiling the effect of processing methods on bioactive properties. *Journal of Food Biochemistry*. https://doi.org/10.1155/jfbc/2488816
42. Kumari, S., Dhyani, P., Mishra, A., Goyal, C., Rai, D. C., Saharan, B. S., &Duhan, J. S. (2024). Development and characterization of probiotic Ragi-based composite dairy product. *Journal of Food Measurement and Characterization*. https://doi.org/10.1007/s11694-024-03040-5.
43. Kumari, S., Tripathi, A. D., Nandan, A., Tripathi, A., & Agarwal, A. (2025). Development of Mango-Mentha functional ready-to-serve (RTS) beverage and its shelf-life evaluation. *Discover Applied Sciences*, *7*(7): 669.
44. Madhavi, B., Asaithambi, N., Kumar, A., Maiti, P., Rai, D. C., and Duary, R.K. (2025). Impact of chickpea aquafaba based emulsion and little millet (*Panicum sumatrense* Roth.) flour cake on physiochemical, nutritional, rheological and structural characteristics. *Sustainable Food Technology*, 3: 286-299.https://doi.org/10.1039/D4FB00293H
45. Maurya, A., Maurya, K. K., Agarwal, A., Tripathi, A., Nandan, A., Panesar, P. S., & Tripathi, A. D. (2024). Effect of Amino Acid Supplementation on Prodigiosin and its Derivatives Production Using Agro-Waste as Potential Substrate. *Indian Journal of Microbiology*, 1-14.
46. Maurya, K. K., Tripathi, A. D., Kumar, D., Panesar, P. S., Paul, V., & Agarwal, A. (2024). Standardization of Process Parameters for Enhanced Prodigiosin Production from Wheat Bran Using Taguchi Methodology. *Waste and Biomass Valorization*, 1-12.
47. Maurya, S., Verma, T*., Aggarwal, A., Singh, M. K., Tripathi, A. D., & Trivedi, A. (2024). Metabolomics and microscopic profiling of flaxseed meal-incorporated Peda. *Food Chemistry: Molecular Sciences*, *9*, 100217.
48. Meena, K. K., Joshi, M., Gupta, L., & Meena, S. (2025). Comprehensive Insights into Postbiotics: Bridging the Gap to Real-World Application. *Food Nutrition*, 100024.https://doi.org/10.1016/j.fnutr.2025.100024
49. Meena, K. K., Joshi, M., Rao, P., Panwar, N. L., Gupta, L., & Meena, S. (2025). Evaluation of probiotic properties of lactic acid bacteria isolated from sheep milk and its suitability as a starter in a milk-cereal-based beverage. *Food Biomacromolecules*, 2(1): 69-83.https://doi.org/10.1002/fob2.70002
50. Meena, K. K., Meena, S., Joshi, M., &Dhotre, A. V. (2024). Nutritional and functional exploration of pearl millet and its processing and utilization: An overview. *Food and Humanity*, 3: 100334.https://doi.org/10.1016/j.foohum.2024.100334
51. Meena, S., Meena, G. S., Gautam, P. B., Rai, D. C., & Kumari, S. (2024). A comprehensive review on donkey milk and its products: Composition, functionality and processing aspects. *Food Chemistry Advances*, 4: 100647.https://doi.org/10.1016/j.focha.2024.100647
52. Meena, S., Raj, A., Meena, J., Reddy, B. K., Rai, D. C., Duary, R. K., & Singh, G. P. (2024). Study on curcumin fortification to improve the physicochemical properties and anti-oxidative potentialities of butteroil (ghee). *Food and Humanity*, 3: 100316.https://doi.org/10.1016/j.foohum.2024.100316
53. Mishra, S., Sahani, S...Arvind (2024) Enhancement In Biological Availability Of Vitamins By Nano-engineering And Its Applications: An Update.Current Pharmaceutical Biotechnology, 25: 1-15
54. Muwal, H., Rai, D. C., Arvind, Duary, R. K. and Lal, D. (2024). Effect of dietary supplementation of Shatavari on productive performance and fertility of crossbred cows. *Indian Journal of Dairy Science*. 76 (6): 613-616
55. Nandan, A., Anil, A. M., Nagaraj, G., Peter, D., Tripathi, A. D., & Paul, V. (2024). Plant-derived edible nanoparticles and their therapeutic utilities. In *Comprehensive Analytical Chemistry* (Vol. 107, pp. 1-25).
56. Nandan, A., Koirala, P., Tripathi, A. D., Vikranta, U., Shah, K., Gupta, A. J., & Nirmal, N. (2024). Nutritional and functional perspectives of pseudocereals. *Food Chemistry*, 139072.
57. Pal, A. K., Agarwal, A., Tripathi, A. D., Darani, K. K., Nandan, A., Tripathi, A., & Hooda, A. (2025). The Potential of Night Jasmine (Nyctanthesarbor-tristis) Flower Extract as a Functional Ingredient in Yogurt Production: The Effects on Fermentation, Rheology, Sensory, and Antioxidant Properties of Yogurt.*The Euro Biotech Journal*, 9(1): 107-116
58. Pandey, S., Gupta, A., Mahato, D. K., Paul, V., Tripathi, A. D., Rasane, P., ... & Haque, S. (2025). Lutein and Zeaxanthin: Source, Extraction, Stability, Bioactivity, and Functional Food Applications. *Curr. Pharm. Biotechnol*, *26*: 1873-4316.
59. Patil, T. D., Ghosh, S., Agarwal, A., Patel, S. K. S., Tripathi, A. D., Mahato, D. K., & Haque, S. (2024). Production, optimization, scale up and characterization of polyhydroxyalkanoates copolymers utilizing dairy processing waste. *Scientific Reports*, *14*(1): 1620.
60. Paul, V., Pandhi, S., Mahato, D. K., Agarwal, A., & Tripathi, A. D. (2024). Polyhydroxyalkanoates (PHAs) and its copolymer nanocarrier application in cancer treatment: An overview and challenges. *International Journal of Biological Macromolecules*, 134201.
61. Paul, V., Rai, S., Vikranta, U., Nandan, A., Agarwal, A., & Tripathi, A. D. (2024). Starch-PHA Blend-Based Biopolymers with Potential Food Applications. *Starch-Stärke*, 2300131.
62. Paul, V., Tripathi, A. D., Agarwal, A., Mahato, D. K., Srivastava, K., & Maurya, K. K. (2024). Herbs-derived phytochemicals–a boon for combating COVID-19. *Vegetos*, *37*(3): 767-774.
63. Pawle, P., Pandey, S., Kumar, A., Agarwal, A., Tripathi, A. D., Saeed, M., ... &Kamle, M. (2025). Valorization of raw papaya (Carica papaya) and citrus peels for development of antimicrobial and biodegradable edible film. *Food Chemistry: X*, *25*, 102129.
64. Prajapati, P., Porwal, C., Garg, M., Singh, N., Sadhu, S. D., Chopra, R., ... & Tripathi, A. D. (2025). Transforming lemon Peel into a sustainable reservoir of bioactives: A green osmotic dehydration strategy. *Food Chemistry: X*, *25*, 102172.
65. Rai, A. K., Yadav, M., Duary, R. K., Shukla, P. (2025). Gut microbiota modulation through dietary approaches targeting better health during metabolic disorders. *Molecular Nutrition and Food Research*. https://doi.org/10.1002/mnfr.70033
66. Ranjan, R., Chauhan, A. K., Gupta, A. K., & Singh, S. (2024). Investigating the effect of combined radiofrequency cold plasma (RF-CP) treatment on techno-functional attributes of Cashewnut. *Journal of Stored Products Research*, *109*. 102406.https://doi.org/10.1016/j.jspr.2024.102406
67. Reddy, B. K., Meena, S., Gautam, P. B., Meena, K. K., & Rai, D. C. (2024). Optical, thermal, FTIR, SEM-EDX and 1H NMR analysis of Chenopodium album (Bathua) powder prepared using different drying techniques. *Microchemical Journal*, 201: 110537.https://doi.org/10.1016/j.microc.2024.110537
68. Saha, C., Elkashif, A., Gilmore, E. J., Jiang, B., Sun, Y., Duary, R. K., Buckley, N., Dunne, N. J., McCarthy, H. O. (2025). Development of a nano-vaccine for high-grade serous ovarian cancer. *Biomaterials Science*, 2025. https://doi.org/10.1039/D4BM01696C
69. Saloni, Rai, D.C., Duary, R. K. (2025). Intensification of extraction technologies for functional antioxidative molecules from Black pigmented rice (*Oryza sativa* L.) and high-resolution mass spectrometry (HRMS) of rice metabolome. *Food Safety and Health* (Accepted).DOI: 10.1002/fsh3.70020
70. Saloni, Rai, D.C., Duary, R. K., Singh, R. K. (2025). Bio-functional Compounds in Pigmented Rice: Recent Updates on Extractions, Delivery mode, and Application in Food Systems. *Food and Bioprocess Technology*, 18: 4251-4279. https://doi.org/10.1007/s11947-024-03734-0
71. Sarma, L., Patra, F., Borah, P. K., Meena, S., &Duary, R. K. (2025). Comparative modeling of microwave and ultrasound assisted extraction of phenolics and berberine from Coptisteeta Wall. rhizomes. *Sustainable Food Technology*, 3(2): 570-581.https://doi.org/10.1039/D4FB00382A
72. Sarma, L., Sharma, M., Mazumdar, M., Borah, P. K., Mukhopadhya, R., Duary, R. K. (2025). Modulation of pro-inflammatory mRNA expression by *Sesamum indicum* and *Coptisteeta*. *Pharmacological Research - Natural Products*. (Accepted).
73. Sharma, K., Majhi, S., Singh, R., Sharma, S., Dhyani, P., Goyal, C., Tripathi, C. S. P., &Guin, D. (2024). Magnetically Separable Ag@Fe3O4-GO Nanocomposites for SERS Detection, Removal of Organic Pollutants, Oil from Water, and Antibacterial Applications [10.1039/D3NJ05835B]. *New Journal of Chemistry*. https://doi.org/10.1039/D3NJ05835B
74. Shehata, A.M., Seddek, N.H., Khamis, T., Elnesr, S.S., Nouri, H.R., Albasri, H.M., & Paswan, V.K. (2024). In-ovo injection of Bacillus subtilis, raffinose, and their combinations enhances hatchability, gut health, nutrient transport-and intestinal function-related genes, and early development of broiler chicks. *Poultry Science*, 104-134.https://doi.org/10.1016/j.psj.2024.104134
75. Shukla, S., Sondhi, A., Tripathi, A. D., Lee, J. K., Patel, S. K., & Agarwal, A. (2024). Valorisation of fruit waste for harnessing the bioactive compounds and its therapeutic application. *Trends in Food Science & Technology*, *144*: 104302.
76. Singh, K. A., Patra, F., Ghosh, T., Mahnot, N. K., Dutta, H., Duary, R. K. (2025). Advancing Food Systems with Industry 5.0: A Systematic Review of Smart Technologies, Sustainability, and Resource Optimization. *Sustainable Futures* (Accepted).
77. Singh, K., Kumari, M., Chauhan, A. K., Singh, S. V., Pojić, M., & Prakash, S. (2024). Preparation of petha from pointed gourd (Trichosanthes dioica) mediated by osmotic dehydration and its characterization. *Journal of Food Science and Technology*, 62: 1184-1192.https://doi.org/10.1007/s13197-024-06159-x
78. Singh, M. K., Kumar A.,Nimanpaali, R. ... Rai D. C. (2024) High-resolution mass spectrometer-based identification of β-Casein variant (*A2*/*A1*) in the milk of Indian Holstein Friesian crossed cows. Journal of Food Composition and Analysis 128 (2024) 106002
79. Singh, R., Ali, M., Sharma, K., Dhyani, P., Goyal, C., Tripathi, C. S. P., &Guin, D. (2024). Ultrasound-Activated Piezocatalytic Degradation of RhB, Ofloxacin, and *E. coli* by BaTiO3/CuO Nanocomposites. *Journal of Environmental Chemical Engineering*, 114741.https://doi.org/https://doi.org/10.1016/j.jece.2024.114741
80. Singh, S., Aparnna, V. P., Chauhan, A. K., Chaurasia, P. K., Bharati, S. L., Konar, A., & Singh, S. (2025). Antibacterial coatings: current applications and its future prospects. *Antimicrobial Materials and Coatings*, 79-109.https://doi.org/10.1016/B978-0-323-95460-0.00004-6
81. Singh, S., Mann, B., Hooda, A., Sharma, R., Tripathi, A. D., & Rai, H. K. (2025). Effect of ripening on the release of BCM-7 like peptides in Cheddar cheese and in their simulated in-vitro digestive extracts prepared from cow milk containing β-casein A1 and β-casein A2 variant. *Journal of Food Science and Technology*, 1-10.
82. Tripathi, D., Kumari, M., Chauhan, A. K., Kumar, D., &Dhondale, M. R. (2024). A study on red potato peel (Solanum tuberosum L. cv. Red Holland): characterization, composition and formulation of tablet using different drying techniques. *Journal of Food Science and Technology*, *62*(1): 122-133.https://doi.org/10.1007/s13197-024-06015-y
83. Vasundhara Rao and Amrita Poonia (2024) Development and quality characteristics of functional Kulfi enriched with malted quinoa flour. *Indian J Dairy Sci*, 77(1): 57-63 https://doi.org/10.33785/IJDS.2024.v77i01.008ISSN: 2454-2172 (Online) ISSN: 0019-5146
84. Vasundhara Rao and Amrita Poonia (2024) Microbial biosynthesis of selenium nanoparticles using probiotic strain and its characterization. *Journal of Food Measurement and Characterization*. April, 2024.https://doi.org/10.1007/s11694-024-02581-z
85. Vasundhara Rao and Amrita Poonia (2024). Bioactive Compounds, nanoparticle synthesis and potential utilization of edible flowers for development of functional dairy products: a review. *Journal of Food Science and Technology*,

61(6):1053-1068.https://doi.org/10.1007/s13197-023-05853-6

86. Verma, T*., Singh, J., & Aggarwal, A. (2024). Optimization of soya enriched burfi by using response surface methodology and its impact on biochemical parameters in albino rats. *Food Chemistry Advances*, *5*, 100791.

Books and Book Chapters

1. Kumar, V., Shiva, Bunkar, D.S., Goyal, S.K. and Paswan, V.K. 2024. Sea Buckthorn Berry (*HippophaeRhamnoides* L.) A cold desert fruit: A review. In: Futuristic Trends in Agriculture Engineering & Food Sciences, IIP Series, Volume 3, Part 4.
2. Bakshi, S., Paswan, V.K., Choudhary, N., Kumar, V., Kanetkar, P., Bhutia, D.D., &Bunkar, D.S. (2024). Honey: A Sweet Solution to Oral Healthcare Problems. In *Honey in Food Science and Physiology* (pp. 291-314). Singapore: Springer Nature Singapore.https://doi.org/10.1007/978-981-97-3565-5_13
3. Amrita Poonia Ananya Bhardwaj, Nadimintri Chandana Sri Sai (2024) Chapter -10 QUINOA.Cereals and Nutraceuticals, Edited by Joginder Singh, Dr.Sawinder Kaur, Dr. Prasad Rasane, Dr.Jyoti Singh. Publisher: Springer Nature https://doi.org/10.1007/978-981-97-2542-7_10
4. Mishra, A., Mann, B., Poonia, A., Rai, D.C. and Hooda, A., 2022. Milk Protein-Based Edible Coatings: Properties and Applications. In *Edible Food Packaging* (pp. 217-232). Springer, Singapore.
5. Das, N. and Hooda, A., 2023. Chemistry and Different Aspects of Ice Cream. In *The Chemistry of Milk and Milk Products* (pp. 65-86). Apple Academic Press.
6. Ranvir, S.G., Hooda, A., Bose, A. and Kumar, H., 2023. Chemistry of Raw Milk: Composition, Distribution, and Factors. In *The Chemistry of Milk and Milk Products* (pp. 3-19). Apple Academic Press.
7. "Processing Parameters on Lactose Hydrolysis" in book titled Effect of Processing Parameters on lactose Hydrolysis in Dairy Industry in Springer Nature (Under revision).
8. "Redox System in Milk" in textbook titled "Physical Chemistry of Milk " with ISBN number 9788119235674
9. "Casein micelles" in textbook titled "Physical Chemistry of Milk " with ISBN number 9788119235674
10. "Molecular spectroscopy" in textbook titled "Physical Chemistry of Milk " with ISBN number 9788119235674
11. Singh, S., Chudasama, M., Singh, S., Patra, F., Duary, R. K. (2025). Optical Techniques/Probes for the Detection of Antibiotic Residues in Milk and Dairy Products. *In*: Optical Techniques for Assessing Food Adulterants. (ISBN 978-981-96-8141-9) Springer Nature.
12. Singh, S., Butti, P., Poludasu, R. M., Singh, K. A., Patra, F., Duary, R. K. (2025). Nanoadditives in food Products. *In*: Advancements in Nanotechnology for Food and Packaging. Eds: Tabli Ghosh, Swarup Roy, ŁukaszŁopusiewicz. (ISBN: 9780443214288; eBook ISBN: 9780443214271) Elsevier, page no 103-132.https://doi.org/10.1016/B978-0-443-21428-8.00005-9
13. Singh, K. A., Singh, S., Yadav, S. S., Yadav, S., Patra, F., Duary, R. K. (2024).Traditional and Ethnic Fermented Beverages: Functional and Health Benefit Prospects. In: Traditional Foods: The Reinvented Superfoods (ISBN 978-3-031-72756-6). Eds: Dr. Swarnendu Roy, Dr. P Nisha, Dr. Rakhi Chakraborty. Springer, Cham. https://doi.org/10.1007/978-3-031-72757-3_14
14. Hooda, A., Vikranta, U., Duary, R. K. (2025).Principles of Food Dairy Safety: Challenges and Opportunities. In: "Engineering Solutions for Sustainable Food and Dairy Production". Eds: Sankar Chandra Deka, C. Nickhil, A.K. Haghi. Food Engineering Series. page no 35-65, Springer, Cham. https://doi.org/10.1007/978-3-031-75834-8_2
15. Author to textbook titled "Physical Chemistry of Milk " with ISBN number 9788119235674

Department of Entomology and Agricultural Zoology

Research Papers and Articles

1. Tabika Chaudhary, M. Raghuraman, R.S. Meena, Vinita Sharma and Puneet Kumar 2025. Biology of Sitophilus oryzae (L.) on Stored Rice. Biological Forum, 17(4): 33-36. ISSN: 0975-1130
2. Hatwar, N.K., David, K.J., Hancock, D.L., Raghuraman, M. Gracy, R.G. and Srinivasa, N. 2025 A new species of Rhochmopterum Speiser (Diptera: Tephritidae: Tephritinae: Schistopterini) from India. Zootaxa 5588 (1): 147–160. https://doi.org/10.11646/zootaxa.5588.1.6
3. Goswami, S. and Raghuraman, M. 2024. Nano-insecticides: A novel approach in agricultural pest management. Farm chronicle - An Agricultural newsletter 03(07): 37-40 e-ISSN: 2583-732X
4. Goswami, S. and Raghuraman, M. 2024. Nano keetnashak: Krishi keet prabandhan me ek abhinav takneek. ICAR Newsletter, Directorate of Weed Research, 19:117-119.
5. Maurya, S.B., Raghuraman, M and Kumar, R. 2024. Screening of Plant Powders Against Lesser Grain Borer (Rhyzopertha dominica Fab.). Biological Forum – An International Journal, 16(5): 132-136. ISSN: 0975-1130
6. Maurya, S.B., Raghuraman, M and Kumar, R. 2024. Screening of Plant Powders Against Rice Weevil (Sitophilus oryzae L.). Biological Forum – An International Journal,16(5): 118-121. ISSN: 0975-1130
7. Goswami, S., Raghuraman, M., Das, KK and Gadekar, M. 2024. Laser scarecrows in agriculture: An innovative solution for bird pests. Biotica Research Today. 6(4): 156-157. ISSN: 2582-6654, DOI: 10.5083/ BioResToday /6.4.2024/156-157.
8. Raghuraman, M., Meena, R.S., Sharma, PK and Srinivasa, N. 2024 (eds.) 2024. Agriculture and Allied Sciences-Recent Advances and Innovative Approaches for Climate Smart Agriculture. Mahima Publications. ISBN: 978-81-965883-8-0.
9. Raghuraman, M. 2024. Rats: Biology & Management. 2024. In: Raghuraman, M., Meena, R.S., Sharma, PK and Srinivasa, N. 2024. Agriculture and Allied Sciences-Recent Advances and Innovative Approaches for Climate Smart Agriculture. Mahima Publications. ISBN: 978-81-965883-8-0. pp53-67
10. Raghuraman, M. 2024. Soil Fertility and Biodiversity of Soil Arthropods: Challenges and Threats In: Raghuraman, M., Meena, R.S., Sharma, PK and Srinivasa, N. 2024. Agriculture and Allied Sciences-Recent Advances and Innovative Approaches for Climate Smart Agriculture. Mahima Publications. ISBN: 978-81-965883-8-0. pp155-161.
11. Prajapati, K.K., Ramkumar, & Keval, R. (2024). Incidence pattern of major insect pests of long-duration pigeon pea (*Cajanus cajan*) and their correlation with weather factors. *Journal of Entomological Research*, *48*(1), 48-51.
12. Prajapati, K.K., Niranjan R., Keval, R., and Singh A.K. (2025). Evaluating the efficacy of insecticides against major insect pest threats on pigeonpea in the Eastern Plain Zone of Uttar Pradesh. *Journal of Entomological Research*, *49* (1), 121-127.
13. Meena R.S. Puneet kumar and Kritika Sahu :2024 Seasonal incidence of Onion Thrips (Thrips tabaci)mand Abundance of its Natural Enemies. Biological Forum-An Internal Journal 16(3):88-91(2024)
14. Meena R.S., Puneet Kumar and Prerana S.B.2024. Bio-efficacy of Newer Insecticides on Major insect pests of Rice (Oryza Sativa L.) Asian J.Env.Ecol., Vol.23, no 5,pp.41-47,2024
15. Kamal Ravi Sharma,S.V.S,Raju,Meena R.S.,Sameer Kumar Singh and Rashmirekha singh 2024.Rice genotype and the biochemicalbasis of resistance against brown planthopper,Nilaparvata lugens (Stal) Entoman 49(2)215-220
16. Kamal Ravi Sharma,S.V.S,Raju,Meena R.S.,Sameer Kumar Singh and Rashmirekha singh 2024. Evaluation of Rice genotypes and Varieties for resistance to white-blacked planthopper, Sogatella furcifera (Horvath)(Hemiptera:Delphacidae) J.ent.Res, 48(2):198-202
17. Tabika Choudhary, M.Raghuraman Meena R.S.,Vinita Sharma and Puneet kumar :2025 Biology of Sitophilus oryzae (L.)on stored Rice. Biological Forum-An Internal Journal 17(4):33-36(2025)
18. Kapil Parihar ,Meena R.S. and Puneet kumar -2025 Bio-efficacy of noval insecticids against insect pests in mugbeen Indian Journal of Agriculture and Allied Sciences Volume: 11,No.1 :42-46,2025
19. Prem C, Varun A, Srinivasa N , Parmanand KM. Better concentration of cue-lure and stickytrap combination for monitoring and mass trapping of melon fly, Zeugodacuscucurbitae (Coquillett). Plant Science Today. 2025; 12(3): 1-5. https://doi.org/10.14719/pst.7769
20. Tyagi S, Srinivasa N*, Singh RN, Arya V. Bacterial community of brown planthopper, *Nilaparvatalugens* (Stål) (Hemiptera: Delphacidae) revealed by high throughput amplicon sequencing. *Plant Sci. Today*2025,3;12(1).: https://horizonepublishing.com/journals/index.php/PST/article/view/4184
21. Sunda, S., V. Arya, S. Narayana*, A.Venkateshaih and P. Divekar: Evaluation of different concentrations of Cue-lure for effective monitoring and mass trapping of the melon fruit fly, (Coquillett), in the bitter gourd ecosystem. J. Environ. Biol., 45, 268-276 (2024). DOI: http://doi.org/10.22438/jeb/45/3/MRN-5223*Corresponding Author
22. Arya V, NarayanaSrinivasa*, Sinha T, Kandan A and SatyanarayanaRaju SV (2024) A simple PCR-based quick detection of the economically important oriental fruit fly, Bactroceradorsalis (Hendel) from India. Front. Plant Sci. 15:1399718. doi: 10.3389/fpls.2024.1399718.
23. Chandrashekhar, V., Arya, V., David, K. J., & Narayana, S*. (2024). Diagnosis, taxonomic keys, DNA barcoding and molecular phylogeny of economically important fruit fly species (Diptera; Tephritidae). *International Journal of Tropical Insect Science*, 1-15.https://doi.org/10.1007/s42690-024-01408-0
24. Hatwar, N. K., David, K. J., Hancock, D. L., Raghuraman, M., Gracy, R. G., &Srinivasa, S. (2025). A new species of *Rhochmopterum*Speiser (Diptera: Tephritidae: Tephritinae: Schistopterini) from India. *Zootaxa*, *5588*(1), 147-160. *Corresponding Author

Books and Book chapters

1. Ramkumar, Bhat, S., Kumar, V., Chaudhary, M., Prajapati, K.K., Arya, A., Kewal, R., and
2. Singh, A.K. (2025). Bugs for Benefits: Harnessing the Nutritional and Environmental Potential of Edible Insects for Human Consumption. Insects as Humans' Frenemies:From Friends to Foes. *Nova Science Publisher*, 2021-244. ISBN: 979-8-89530-410-5
3. Ramkumar, Kumar, R., Shekhar, A., Sahu, P., Singh, K., Keval, R., Kumar, S., Kumar, V., Kumar, P., Rajpoot, P.K., and Singh, A.K. (2024). Insect virulence mechanism against entomopathogenic nematode: understanding the molecular basis of host-parasitic interaction. Studies of Entomopathogenic Nematodes and Their Behaviour. *Nova Science Publisher*, 37-74. ISBN: 979-8-89530-028-2
4. Ramkumar, Chaudhary, M., Sahu, P., Singh, K., Kumar, R., Shukla, A., Singh, C., Dinkar, V., Singh, A.K., Singh, N., Keval, R., Semwal, A., And Pandey R.N. (2025). Effect of Humidity on Pest and Disease Incidence in Crops. CLIMATE CHANGE AND BIOTIC FACTORS A Molecular Approach. *Apple Academic Press Inc. (CRC Press)*, 3-42. ISBN: 978-1-00356-870-4
5. Meena R. S. ,Vinita Sharma and Puneet Kumar.(2024) Climate change and its impact on insect pest species, Climate Smart Agriculture-Innovative Approaches for Plant Protection and Crop Management, Mahima Publications ISBN: 978-81965883-0-4
6. Meena R.S., Puneet Kumar, and Utpal Kumar. (2025) Population dynamics of major insect-pests of tomato and their correlation with abiotic factors, Agriculture and Allied Sciences- Recent Advances&Innovative Approaches for Climate Smart Agriculture Mahima Publications ISBN: 978-81965883-8-0
7. Puneet Kumar ,Umesh Chandra ,Meena R.S. and Vinita Sharma(2025) Impact of weather parameters on population dynamics of fruit fly (Bactrocera species)in cucurbits at kumargang,up, Allied Sciences- Recent Advances&Innovative Approaches for Climate Smart Agriculture Mahima Publications ISBN: 978- 81965883-8-0
8. Puneet Kumar Ashish Kumar Verma and Meena R.S.(2024)Artificial intelligence:importance ,Krishikumbh E-ISSN:2582-9769

Department of Extension Education

Research Papers and Articles

1. Muyal, A., Ghadei, K., Maji, S., Kamei, G., Pant, K., & Saklani, T. (2025). Development, testing, and evaluation of participatory video module on virtual marketing for women self-help groups in India. Cogent Social Sciences, 11(1). https://doi.org/10.1080/23311886.2025.2495190
2. Ghadei, K., Maji, S., Nikhil, J., Gupta, R. P., & Singh, J. (2025). Dimensions and Correlates of Agripreneurial Competency. Indian Journal of Extension Education, 61(1), 37-41. https://doi.org/10.48165/IJEE.2025.61107
3. Muyal, A., Jirli, B., Ghadei, K., Maji, S., Pant, K. & Saklani, T. (2025). Understanding Sustainability Concerns of SHGs in the Himalayan Region of India: A Participatory Analysis. Journal of Rural Development, ISSN: 09703357
4. Kumar, S.; Bankoliya, M.K.; Borkar J. and Mure S. (2024). Restrictions faced by the input dealers in disseminating accurate agricultural advisories and agro input services to the farming community of Harda district (MP), India, Plant Archives, 24(1):591-596
5. Kumar, S. (2024). Financial and social transformation of natural grower-A shining successful case of Harda, Ajasraa, 13 (10):182-188

6. Kumar, S. (2024). Revealing Constraints and Perception of Farmers during Demonstration of Innovative Drone Technology at Farmer's Fields, Ajasraa, 13 (11):50-59
7. Kumar, S. (2025). Analyzing Adoption Impediments in Soil Health Card based Fertilizer Application by Farmers. Indian Journal of Extension Education, 61 (2):1-4
8. Kumar S. (2025). Effectiveness of Social Media for Dissemination of Yellow Mosaic Disease Management Technology in Soybean under Soybean-Wheat Crop Sequence in Black Soil of Madhya Pradesh, Ajasraa, 14 (1):1-6
9. Pal G, Roy S, Singh N, Bahadur A, Singh P M and Kumar R. 2025. A study on the economic impact assessment of chilli variety Kashi Anmol. Vegetable Science 52 (1); 65-71 , doi: 10.61180/vegsci.2025.v52.i1.09
10. Naik, B. M., Singh, A. K., Maji, S., Venkatesan, P., & Shelar, R. (2024). Exploring farmers' attitudes towards climate resilient agricultural technologies in Telangana State, India. International Journal of Environment and Climate Change, 14 (7): 171-180. https://dx.doi.org/10.2139/ssrn.4925107
11. Naik, B. M., Singh, A. K., Maji, S., Venkatesan, P., & Shelar, R. (2024). Evaluation of farmers' contentment with climate resilient agricultural technologies in Telangana, India. Current Science (00113891), 127(3).
12. Naik, B. M., Singh, A. K., Maji, S., & Venkatesan, P. Factors Affecting Farmers' Attitude towards Climate Resilient Agricultural Technologies in Telangana, India.International Journal of Environment and Climate Change, 14 (9): 687-697. https://doi.org/10.9734/ijecc/2024/v14i94447
13. Roy, P., Maji, S., Jirli, B., Singh, P., & Nain, M. S. (2024). Scopus Indexed Indian Journal of Extension Education: Crafting Improvement Strategy through Altmetric and Bibliometric Analysis. Indian Journal of Extension Education, 60(2), 1-10. https://doi.org/10.48165/IJEE.2024.60201
14. Kar, P., Meena, H. R., Meena, B. S., Kadian, K. S., Panja, A., Verma, A. P., Sharma, Ph. R., Patnaik, N. M., & Maji S., (2024). Multi-stakeholders' perception in popularization and dissemination of Farmer-led Innovations in Northern India. Indian Journal of Dairy Science, 77(1): 84-90. https://doi.org/10.33785/IJDS.2024.v77i01.012
15. Kumari, J., Maji, S., & Arun, D. P. (2024). Knowledge Level of Beneficiaries of CSSDM-Vocational Training Programme: A Comparative Analysis across Selected Course Groups. Indian Journal of Extension Education, 60(3), 83-87.
16. Kumari, J., Bhardwaj, N., Maji, S., Jirli, B., Paliwal, H., & Singh, P. (2024). Sowing Diversity, Reaping Stability: Unveiling the Catalysts of Agricultural Diversification in Uttarakhand, India. Journal of Community Mobilization and Sustainable Development, 19(3), 764-770.
17. Maji, S., Meena, B. S., & Patnaik, N. M. A Comparative Analysis of Management of Dairy Animals under Organic and Non-organic Farming System in Uttarakhand: Calf Rearing and Mortality Perspective: Comparative Analysis of Management of Dairy Calves under Organic and Non-organic Farming System. Indian Journal of Dairy Science, 77(3): 282-290. https://doi.org/10.33785/IJDS.2024.v77i03.013

Books and Book Chapters

1. Ghadei, K. (2025). Agricultural Extension & Rural Development. Nipa GenX Electronic resources and solutions Pvt. Ltd., New Delhi. ISBN: 978-93-58879-33-9
2. Ghadei, K. (2025). Climate Smart Practices at Grassroot Levels. Nipa GenX Electronic resources and solutions Pvt. Ltd., New Delhi. ISBN: 978-93-58879-45-2
3. Ghadei, K. (2025). Extension for Rural Entrepreneurship Development. Nipa GenX Electronic resources and solutions Pvt. Ltd., New Delhi. ISBN 978-93-58877-98-4BOOK Chapter
4. Kumar, Arun; Jitendra,V.; Sonal, T.; Satish, K. and Kumar, S. (2024). Edited Book published entitled as "Agricultural Development through Multidisciplinary Interventions", Wizcraft Publications & Distribution (National), Solapur, Maharashtra, India, pp1-374 Edition-2024, ISBN 978-93-92268-94-6
5. Kumar, S. (2025). Book title "Agri-satratups extension in India-The attractive business ways ahead". Biotech books publishers (International), New Delhi, pp1-261, ISBNo: 978-81-7622-597-7
6. Singh,P,Ghadei,K & Roy,P(2024).Capacity building in organisational management.Emerging trends in Agricultural Extension Education Education,Volume II,ISBN- 978-93-5980-562-7 available at https://www.researchgate.net/publication/380701264
7. Kumar, S.; Bankoliya, M.K.; Tiwari, S.K. and Sharma, V.K. (2024). Book chapter entitled "Community Radio-Key to Revamp and Boost up the Rural Development" was published in book 'Community Empowerment Through Media' edited by Arpita Sharma Kandpal and Naresh Kumar Kandpal Published by: Today and Tomorrow's Printers and Publishers, New Delhi 110002 (India), pp-65-73, Edition-2024, ISBN: 9789391734770
8. Kumar, S. and Jharia, P. (2024). Book chapter entitled "Utility of Android Mobile as Information Tool by Rural People for Agricultural Transformation and Rural Development" was published in book 'Community Empowerment Through Media' edited by Arpita Sharma Kandpal and Naresh Kumar Kandpal Published by: Today and Tomorrow's Printers and Publishers, New Delhi 110002 (India), pp-85-90, Edition-2024, ISBN: 9789391734770
9. Kumar, S. and Bankoliya, M.K. (2024). Book chapter entitled "Rural Prosperity through Digitization and Digital Media" was published in book 'Community Empowerment Through Media' edited by Arpita Sharma Kandpal and Naresh Kumar Kandpal Published by: Today and Tomorrow's Printers and Publishers, New Delhi 110002 (India), pp-91-97, Edition-2024, ISBN: 9789391734770
10. Roy, P., Maji, S., Jirli, B., Singh, P., & Nain, M. S. (2024). Approaches in extension education: A comprehensive analysis of merits and drawbacks, In Eemerging trends in agricultural extension education (Volume II) ISBN: 9789359805627
11. Roy, S., Maji, S., & Ali, W. (2024). Market Led Extension. Elite Publications.
12. Ali, W., Maji, S., & Roy, S., (2024). Entrepreneurship Opportunities in the Dairy Sector. Elite publications.
13. Roy S, Singh N, Maji S, Sarkar A and Ghadei K. 2024. Integrated agricultural interventions for improving the socio-economic status of SC and ST farmers under TSP and SCSP programme. In ed book "Agriculture extension & rural development dynamics for sustainable rural development and progress", pp. 305-312. ISBN: 978-93-58879-33-9.

Department of Farm Engineering

Books and Book Chapters

1. Joshi, B., Singh, V., Chandola, V. K., Pal, K., Srinivaas, B., & Kumar, S. (2025). Climatic signals of drying in a Himalayan watershed: A multi-grid precipitation analysis of Bhilangana River Basin. International Journal of Environment and Climate Change, 15(7)
2. Joshi, B., Singh, V. K., Vishwakarma, D. K., Ghorbani, M. A., Kim, S., Gupta, S., Chandola, V. K., Rajput, J., Chung, I.-M., Yadav, K. K., Mirzania, E., Al-Ansari, N., & Mattar, M. A. (2024). A comparative survey between cascade correlation neural network (CCNN) and feedforward neural network (FFNN) machine learning models for forecasting suspended sediment concentration. Scientific Reports, 14(1), 10638
3. Vijay Shankar Yadav, R. V. Galkate, V.K. Chandola, Samikshya Panda, Ankit Patel (2024). Trend Analysis and Change Point Detection of Climatic Parameters in Ambedkar Nagar District of Uttar Pradesh, India. International Journal of Environment and Climate Change, Volume 14, Issue 9, Page 578-605.
4. V. S. Yadav, R. V. Galkate, V. K. Chandola, Anoop Kumar Shukla, Samikshya Panda, Satyavati Shukla (2025). Spatiotemporal characterization of meteorological drought and rainfall variation during El Niño/La Niña event over Bundelkhand region of India, Discover Applied Sciences, 7(5), 464. https://doi.org/10.1007/s42452-025-07035-9
5. Vijay Shankar Yadav, R. V. Galkate, V. K. Chandola, Ankit Patel, Samikshya Panda, Archana Kaushal, H. R. Ahirwar (2025). Evaluation of Rainfall Variability and Meteorological Drought in Bundelkhand Region, India. Journal of Experimental Agriculture International Volume 47, Issue 4, Page 181-200.
6. Ashkamini, Sharma, R.,& Upadhyay, S. K. (2024). Metropolis Algorithm Based Bayesian Analysis of a Competing Risk Data Using Copula-Frailty Model. *Mathematical Methods of Statistics*, *33*(4), 420-431.
7. Priyanka Gautam, Rahul Yadav,Ranjeet Kumar Viswakarma, Shashi Shekhar, Abhisekh Pathak, Chandan Singh (2024). An Integrative Analysis of Metagenomic and Metabolomic Profiling Reveals Gut Microbiome Dysbiosis and Metabolic Alterations in ALS: Potential Biomarkers and Therapeutic Insights. 16;16(14):2691-2706, doi:10.1021/acschemneuro.5c00254.
8. Jyotirmay Mahapatra, Prem Shanker Tiwari, Krishna Pratap Singh, Balaji Murhari Nandede, Ramesh K. Sahni, Vikas Pagare, Jagjeet Singh, D. J. Shrinivasa, and Sandip Manda (2024) An Adjustable Pneumatic Planter with Reduced Source Vibration for Better Precision in Field Seeding, Sensors, 24, 3399 (1-18). https://doi.org/10.3390/s24113399.
9. Singh, Abhishek, Jhade Sunil, Manjubala M, Aaditya Jadhav, and Abha Goyal. 2024. "Statistical Evaluation of the Performance of SVM Kernels for Air Quality Classification: A Case Study on India". International Journal of Environment and Climate Change 14 (11):584-94. https://doi.org/10.9734/ijecc/2024/v14i114570.
10. Halagundegowda GR, Abhishek Singh, Nagaraja MS, Muttanna.(2024) Drought coping strategies: An exploration of determinants of adoption by qualitative response model. Int J Res Agron 2024;7(9S):873-877. DOI: 10.33545/2618060X.2024.v7.i9Sl.1624
11. K Rajpoot, A Singh, S Jhade, S Singla (2024) Quantification of Farm Risk and Risk Management in Jabalpur District of India. *Plant Archives*, 2024 24 (Special Issue (GABELS).), 116-128
12. Kumar, R., Singh, A., Tripathi, V.K., & Muthusamy, M. (2024) Exploring the relationship between percentage rural population and contribution of agriculture in total GDP of India using statistical models. Eco. Env. & Cons. 30 (3), pp. 1328-1336.
13. Panda, C., Panda, K.C., Singh, R.M., Singh, R., & Singh, V.P. (2025) A generalised hydrological model for streamflow prediction using wavelet Ensembling. Journal of Hydrology, 132883, https://doi.org/10.1016/j.jhydrol.2025.132883.
14. Panda, S., Tripathi, V.K. & Yadav, V.S. (2025). A synergetic approach for multidimensional drought assessment in the Indian agro-climatic zone using coherency, propagation and AHP techniques. Environmental Science and Pollution Research, 32, 4354–4371. https://doi.org/10.1007/s11356-025-35924-4
15. Raj, S., Rawat, K.S., &Tripathi, V.K. (2024). Applications of Advanced Technology for Prioritization of Watershed. Environment and Ecology, 42(2B), 836-845.
16. Meshram, P., Rawat, K.S., &Tripathi,V.K. (2024). Sentinel-1A Data Analysis for Rice Classification Utilizing Random Forests and Support Vector Machine. Environment and Ecology, 42(4C), 2037-2043.
17. Mishra, S., Tripathi, V.K., Jaiswal, R.K., Panda, S., & Kumar, D. (2024). Climate Change and Hydrological Risk Assessment: Probable Maximum Precipitation Analysis in the Sindh Basin. Journal of Water Engineering & Management, 4(2).
18. Mahajan, N. C., Singh, R.K., Upadhyay, A., Singh, R.K., Rakshit, A., &Tripathi, V.K. (2024). Effect of Crop Establishment, Intermittent Submergence and Precision Nitrogen Management on Growth and Yield of Rice. International Journal of Plant & Soil Science, 36(7):761-770. https://doi.org/10.9734/ijpss/2024/v36i74789.

Books and Book Chapters

1. Jyotirmay Mahapatra, Ramesh K. Sahni, Pradeepta Kumar Sahoo, and **D. J. Shrinivasa**, (2024). IoT-Based Real-Time Farm Management System for Smart Agriculture. In Edited book: Artificial Intelligence Techniques in Smart Agriculture, Published by Springer Singapore, https://doi.org/10.1007/978-981-97-5878-4_16 ISBN: 978-981-97-5877-7.
2. Panda, S., Yadav, V.S., &**Tripathi, V. K**. (2024). Application of remote sensing in natural resource management. *Sustainable Development and Geospatial Technology: Volume 2: Applications and Future Directions*, Springer Nature Switzerland. Pp. 173-180.

Department of Genetics and Plant Breeding

Research Papers and Articles

1. Kotadiya Trunal, Singh S.K., S. Jayasudha, Kumar Ankit and Futane Aachal (January 2025). Addressing Multicollinearity in Path Analysis: Insights from Ridge Regression in Rice Yield Components. Biological Forum – An International Journal 17(1): 08-13(2025) (NAAS-2024: 4.96)
2. Sonali Vijay Habde, Shravan Kumar Singh, Dhirendra Kumar Singh, Arun Kumar Singh, Rameswar Prasad Sah, Mounika Korada, · Amrutlal R. Khaire, Prasanta Kumar Majhi, Uma Maheshwar Singh, Vikas Kumar Singh, Arvind Kumar (2024). QTL mapping reveals different set of candidate genes \governing stable and location specific QTLs enhancing zinc and iron content in rice Euphytica (2024) 220:179 https://doi.org/10.1007/s10681-024-03433-z. (IF: 1.60)
3. Suman Kumar, Jayasudha S., Rajni and S.K.Singh (2024). Reexploring Rice Germplasm: Enlightening a New Path Towards Abiotic Stress-resilient Crop.*International Journal of Environment and Climate Change Volume 14, Issue 10, Page 523-537, 2024; Article no. IJECC.124076 | ISSN: 2581-8627 (NAAS-2024-5.16)*
4. Dan Singh Jakhar*, Rajesh Singh, and Shravan Kumar Singh (2024). Mapping of QTL conferring resistance to Turcicum

Leaf Blight using Microsatellites in Maize (Zea mays L.). Maydica electronic publication-2024:1-12.(NAAS Rate: 6.91).

5. Snehi, S., Singh, P.K., Beena, R., Kota, S., Sanwal, S.K., Kiran, K.R., Anilkumar, C., Chattopadhyay, K., Prakash, N.R.* and Sah, R.P.*, 2025. QTL-Meta-analysis and Candidate Gene (s) for Anaerobic Germination Potential in Rice. Journal of Plant Growth Regulation, pp.1-14.
6. Snehi, S., K.T., R., Rathi, S., Upadhyay, S., Kota, S., Sanwal, S., Lokeshkumar, B.M., Balasubramaniam, A., Prakash, N. and Singh, P.K., 2025. Discerning Genes to Deliver Varieties: Enhancing Vegetative and Reproductive Stage Flooding Tolerance in Rice. *Rice Science*, 32, pp.1–14.
7. Naveenkumar, R.*, Anandan, A., Singh, V., Vaish, S.S. and Singh, P.K., 2024. Variability for sheath blight (Rhizoctonia solani Kuhn.) resistance in Indica rice germplasm. Vegetos, 36(1). pp.1-11.
8. Discerning Genes to Deliver Varieties: Enhancing Vegetative and Reproductive-Stage Flooding Tolerance in Rice. Sanchika Snehi, Ravi Kiran KT, Sanket Rathi, Sameer Upadhyay, Suneetha Kota, Satish Kumar Sanwal, Lokeshkumar BM, Arun Balasubramaniam, Nitish Ranjan Prakash and Pawan Kumar Singh (2025). Rice Science, 2025, 32(2): 160−176.
9. Association Analysis among Morpho-physiological Traits of Indian Mustard [*Brassica juncea* (L.) Czern. & Coss.] Lines under Rainfed and Irrigated Conditions. G. P. Darshan, B. Arun, K. Srivastava and Padmanabh Dwivedi. (2025) International Journal of Bio-resource and Stress Management, May 2025, 16(5): 01-13
10. Parihar AK, Hazra KK, Lamichaney A, Sen Gupta D, Kumar J, Mishra RK, Singh AK, Bhartiya A, Sofi PA, Lone AA, Das SP, Yadav RK, Punia SS, Singh AK, Rai G et al. (2024). Multi-location evaluation of field pea in Indian climates: ecophenological dynamics, crop-environment relationships, and identification of mega-environments. International Journal of Biometeorology 68: 1973-1987. DOI: https://doi.org/10.1007/s00484-024-02720-7. (IF = 2.6)
11. Anmol Singh Yadav AS, Vaish SS, Singh AK, Chand R (2024). Lignification based screening of pea (*Pisum sativum* L.) germplasm for resistance to rust (*Uromyces viciae–fabae*) Journal of Plant Pathology 106: 1559-1570. https://doi.org/10.1007/s42161-024-01743-8 (IF = 2.2)
12. Shikha K, Chand R, Mishra NK, Singh S, Sayiprathap BR, Nair RM, Singh AK* (2024). Components of slow disease development: a key to enhance resistance in crops. CABI Agriculture and Bioscience 5: 81. https://doi.org/10.1186/s43170-024-00293-4 (IF = 2.7)
13. Bhuvaneswari S, Sharma SK, Singh IM, Devi EL, Singh AK, Devi CP et al. (2024). Breeding for improved yield and powdery mildew, rust resistance in field pea (*Pisum sativum*L.ssp. *arvense*) adapted for sub-tropical condition of North East Hill region of India. Journal of Food Legume37(4): 383-389. DOI: 10.59797/jfl.v37.i4.222.
14. Jorben, J., Singh, A. M., Satyavathi, C. T., Singhal, T., & Singh, S. P. (2024). SSR Markers based Diversity Analysis in Elite Genotypes of Pearl Millet. Indian Journal of Plant Genetic Resources, 37(01), 39-46.
15. Genetic variability and character association studies for yield and yield traits in Indian mustard (Brassica juncea) Nandini Guguloth, Shivangi Saha, Rohit Kumar Verma, Aditi Eliza Tirkey, Arvind Patel, Divya Prakash and Kartikeya Srivastava, Journal of Oilseed Brassica, 15 (1) : 81-87, January 2024
16. Herbs-derived phytochemicals–a boon for combating COVID-19, Paul, Veena; Tripathi, Abhishek Dutt; Agarwal, Aparna; Mahato, Dipendra Kumar; Srivastava Kartikeya; Maurya, Kamlesh Kumar, Volume 37, pages 767–774, (2024), Vegetos
17. Trait association analysis under abiotic stresses in Indian mustard (Brassica juncea L. Czern. & Coss.): Unraveling relationships and significance, K. Srivastava * , S. Saha , R.K. Verma , A. Patel , A.E. Tirkey and P. Vija, Volume 46 Issue 3 May 2025 pp. 357-364, Journal of Environmental Biology.
18. Estimation of multivariate correlation and path coefficient analysis for yield and its associated traits among mutants of indian mustard [B*rassica juncea* (l.) czern&coss]. R., Karthik; Srivastava, Kartikeya; K. P., Gaganashree; K. S., Thippesh, Plant Archives (09725210). Oct2024, Vol. 24 Issue 2, p1951-1960. 10p
19. Marker-assisted foreground pyramiding of genes/QTL's for grain quality and rust resistance genes in most popular wheat cv., HUW234 of Eastern Gangetic plains of India, Ashutosh • Vinod Kumar Mishra • Kartikey Srivastava • Monu Kumar • Prashant Singh, / Accepted: 1 January 2025, Journal of Plant Biochemistry and Biotechnology.
20. Ghatak, Arindam; Kanellopoulos, Alexandros E.; López-Hidalgo, Cristina; Malits, Andrea; Meng, Yuhang; Schindler, Florian; Zhang, Shuang; Li, Jiahang; Waldherr, Steffen; Ribeiro, Hugo; Kerou, Melina; Hodgskiss, Logan H.; Dreer, Maximilian; Mir, Reyazul; Sharma, Sandeep; Bachmann, Gert; Karpouzas, Dimitrios G.; Schleper, Christa; Papadopoulou, Evangelia S.; Chaturvedi, Palak; Weckwerth, Wolfram (2025): Natural variation of the wheat root exudate metabolome and its influence on biological nitrification inhibition activity. Plant Biotechnology Journal (Accepted)
21. Pandey SP, Chen C, Singh S, Maniar JN, Mishra A, Bakshi S, Mishra VK, Sharma S*. Transcriptional response of cultivated peanut (*Arachis hypogaea* L.) roots to salt stress and the role of DNA methylation. Plant Cell Rep. 2025 May 21;44(6):124. doi: 10.1007/s00299-025-03515-9. PMID: 40397176.
22. Vasistha NK, Tandon A, Pal S, Sharma S, Mishra VK, Gupta PK, Transcriptome analysis for the identification of spot blotch responsive genes and miRNAs in wheat (2024): Physiological and Molecular Plant Pathology, 135, 102485.
23. Shree P. Pandey, Shivam Singh, Deepesh Khandwal, Avinash Mishra, Bhagya Shree Acharya, Suman Bakshi, Sundeep Kumar, Vinod Mishra, Sandeep Sharma* (2024): A Klebsiella rhizobacterium deregulates the metabolism of phytopathogenic Aspergillus flavus during in-vitro assays and confers protective functions. The Microbe, 5; 100181
24. S. Srinatha Reddy, G Mahendra Singh, Uttam Kumar, Pradeep Bhati, Manish Vishwakarma, Sudhir Navathe, K.J. Yashavanthakumar, Vinod K. Mishra, Sandeep Sharma*, Arun K. Joshi (2024): Spatio-temporal evaluation of drought adaptation in wheat revealed NDVI and MTSI as powerful tools for selecting tolerant genotypes. Field Crops Research, 311, 109367.
25. Madhu Choudhary*, Ravi P Singh, P.K. Singh, and Jayasudha S (2024). Principal component analysis of morpho-floral traits in *Oryza sativa* x *Oryza longitaminata* advanced backcross lines of rice. Journal of Experimental Biology and Agricultural Sciences 12(3) PP-419-425.
26. M. Choudhary, R.P. Singh, P.K. Singh, R.L. Verma, S. Jayasudha (2024). Genetic Variability and Association Studies for Morpho-Floral Traits in Backcross Introgression Lines of Rice (*Oryza sativa* L. Indian Journal of Agricultural Research. A-6272 [1-8]. Doi:10.18805/IJARe.A-6272
27. Kotadiya Trunal, Singh S.K., S.Jayasudha*, Kumar Ankit and Futane Aachal (2024). Addressing Multicollinearity in Path Analysis: Insights from Ridge Regression in Rice Yield Components. Biological Forum – An International Journal 17(1): 08-13.
28. Suman Kumar*, Jayasudha S., Rajani and S.K. Singh (2024). Reexploring Rice Germplasm: Enlightening a New Path Towards Abiotic Stress-resilient Crop. International Journal of Environment and Climate Change Volume 14(10) Page 523-537, Article no.IJECC.124076 ISSN: 2581-8627.

Books and Book Chapters

1. Akansha Singh, Shravan Kumar Singh and Jiban Shrestha (accepted to be released on 1st Nov., 2024). Climate-Smart Rice Breeding. Springer: ISBN-13:978-9819770977, ISBN-10:9819770971-2024th Edition: 371 pages.
2. Vemula Anjula Krishna, Ritik Digamber Bisane, Amrit Prasad Poudel, Akansha Singh &Shravan Kumar Singh (16th Nov.,2024). Application of Next-Generation Sequencing Technology for Rice Improvement. In Springer Book-Climate-Smart Rice Breeding: ISBN-13:978-9819770977, ISBN-10:9819770971-2024th Edition.: Page no. 323 – 349.
3. Lopamudra Singha, Prastuti Bhattacharya, Prashant Kumar Sharma, Ritik Digamber Bisane, Vemula Anjula Krishna, Akansha Singh, Jai Prakash Lal &Shravan Kumar Singh (16th Nov., 2024). Genome-Assisted Breeding and Genome-Wide Association Studies for Rice Improvement. Book chapter in book on Climate-Smart Rice Breeding. Book Published by Springer. Page no. 125-149.
4. Singh, V*., Chimyang, C., Shukla, V., Singh, K. and Singh, P.K., 2024. Genomics of Plant Abiotic Stress. In: Choudhary, R. and Meena, B. (Eds.), *Challenges in the Green World: Abiotic Stress and Plants*. First Edition 2023, Elite Publishing House, New Delhi, pp. 86-96. ISBN: 978-93-5899-851-1.

Department of Horticulture

Research Papers and Articles

1. Vyas, S.S., Singh, Anil K., Sisodia, Anjana and Barman, K. 2024. Effect of zinc and corm size on growth and corm yield in gladiolus (*Gladiolus* spp.)**.** *Current Horticulture* 12(2), 63–66. DOI: 10.48165/chr.2024.12.1.02, ISSN No.2347-7377
2. Singh, Anil K., Hamidi, M., Sisodia, Anjana and Barman, K. 2024. Effect of iron on growth, flowering and corm parameters in gladiolus cv. Malaviya Shatabdi. *International Journal of Advanced Biochemistry Research*, 8(7), 574-577. DOI: https://doi.org/10.33545/26174693.2024.v8.i7g.1541, ISSN No. 2617-4693
3. Sisodia, Anjana, Sisodia, Vandana, Singh, Anil K., Yadav, Sanjula and Lamsal, Asha. 2024.Influence of various concentrations of iron on growth and flower yield in gladiolus cv. Malaviya Kiran. *Environment and Ecology*, 42 (4B), 1967-71.https://doi.org/10.60151/envec/SHCU8008, ISSN No. 0970-0420
4. Jakhar, R.K. and Sisodia, Anjana. 2024. Effect of micronutrients on growth, flowering and corm yield parameters in gladiolus cv. Nova Lux. *International Journal of Advanced Biochemistry Research*, 8(4), 07-10. ISSN No. 2617-4693
5. Yadav, Sanjula, Sisodia, Anjana, Singh, A.K. and Sisodia, Vandana. 2024. Evaluation of balsam genotypes for pot culture and bedding purpose. *Environment and Ecology*, 42(4A), 1736-1741. https://doi.org/10.60151/envec/LABY5634 ISSN 0970-0420.
6. Kaur, S., Sisodia, V., Sisodia, Anjana and Singh, A.K. 2024. Assessment of growth and bulb attributing characters influenced by different doses of EMS in tuberose. *Environment and Ecology*, 42(4C), 2075-2080. DOI: https://doi.org/10.60151/envec/MBTM6745 ISSN 0970-0420, ISSN No. 0970-0420.
7. Shakyawal, V.K., Sisodia, Anjana and Singh, A.K. 2024.Evaluation of turf grasses for qualitative and quantitative traits in Varanasi region of India. *Asian Journal of Environment and Ecology*, 23(8):151-160. Article no.AJEE.121453 ISSN: 2456-690X
8. Kumar, B.; Pal, A.K.; Singh, A.K.; Arya, D.; Mishra, D. and Singh, P. (2024). Determination of Correlation and Path Coefficients Analysis for Tomato (Solanum lycopersicum L.) for Yield and Quality Attributes. *International Journal of Plant & Soil Science*, 36 (10): 329-337.
9. Kumar, B.; Pal, A.K.; Singh, A.K.; Arya, D.; Pattnaik, P. and Yadav, N. (2024).Studies of heterosis and inbreeding depression for growth parameters in tomato hybrids (*Solanum lycopersicum L.*). *International Journal of Advanced Biochemistry Research*, SP-8(1):16-20.
10. Meena, Y., Singh, A.K., Sisodia, A., Prakash, P. and Barman, K. (2024). Comparative evaluation of different edible coating treatments on postharvest quality of pointed gourd fruit. *International Journal of Advanced Biochemistry Research*, 8(7): 143-149.
11. Tiwari, D.K., Patel, V.B., Barman, K., Verma, R.B. and Pandey, A.K. (2024). Physiological parameters dictate bearing pattern in different mango cultivars: Study from sub-tropical India. Plant Science Today, 11(4): 1642-1648. https://doi.org/10.14719/pst.3347.
12. Yadav, N., Barman, K., Pal, A.K., Kanaujia, A., Belwal, P., Baite, N.A., Saini, D.R. and Dadrwal, B.K. (2025). Modulating antioxidant capacity and preserving chlorophyll levels in pointed gourd (*Trichosanthes dioica* Roxb.) through synergistic application of 6-benzylaminopurine and sodium alginate coating during ambient storage. Journal of Scientific Research and Reports, 31(5): 38-52. https://doi.org/10.9734/jsrr/2025/v31i53003.
13. Kanaujia, A., Barman, K., Belwal, P., Yadav, N., Kushwaha, S. and Kushwaha, A. (2025). Effect of 6- benzylaminopurine treatments on post-harvest quality and storage life of jamun (*Syzygium cumini* Skeels) fruit. Archives of Current Research International 25(5): 70-83. https://doi.org/10.9734/acri/2025/v25i51189.
14. Belwal, P., Barman, K., Kanaujia, A., Yadav, N. and Kushwaha, S. (2025). Effect of potassium permanganate ethylene absorbent on shelf life and quality of bitter gourd fruits. Journal of Advances in Biology & Biotechnology, 28(4):1080-1089. https://doi.org/10.9734/jabb/2025/v28i42263.
15. Kanaujia, A., Barman, K., Belwal, P., Yadav, N., Kushwaha, S. and Kushwaha, A. (2025). Effect of sodium nitroprusside (SNP) treatment on shelf-life extension and quality preservation of jamun (*Syzygium cumini* Skeels) fruits during cold storage. European Journal of Nutrition & Food Safety, 17(5): 1-13. https://doi.org/10.9734/ejnfs/2025/v17i51704.
16. Kumar, S., Barman, K., Singh, A.K. and Pal, A.K. (2025). Nitric oxide-enriched sodium alginate coating preserves postharvest quality and delays senescence of Indian

blackberry fruit. *Applied Fruit Science*, 67:130. https://doi.org/10.1007/s10341-025-01360-4.

17. Mishra, D.; Singh, A. K.; Singh, P.; Pal, A. K.; Singh, B. K.; Kumar, V.; Singh, M. K. and Singh, R. K. 2024. Correlation coefficients and path analysis studies for yield and quality traits in brinjal (*Solanum melongena* L.). *International Journal of Advanced Biochemistry Research*. 8(3): 125-131.
18. Vani, V. M.; Singh, B. K.; Singh, A. K.; Raju, S. V. S.; Jaiswal, D. K. and Sharma, K. R. 2024. Exploitation of Heterosis for Plant and Yield Characteristics in Okra [*Abelmoschus esculentus* (L.) Moench]. *Environment and Ecology*. 42(3): 968—978.
19. Kumar, B.; Pal, A. K.; Singh, A. K.; Arya, D.; Mishea, D. and Singh, P. 2024. Determination of coefficients analysis for tomato (*Solanumlycopersicum* L.) for yield and quality attributed. *International Journal of Plant & Soil Science*, 36(10): 329-337.
20. Vani, V. M.; Singh, B. K.; Raju, S. V. S.; Singh, A. K. and Jaiswal, D. K. 2024. Genomic expression of heterosis for yield and seed parameters of okra [*Abelmoschus esculentus* (L.) Moench]. *Plant Archives*, 24(2): 2273-2281.
21. Singh, R.K.; Singh, M. K.; Singh, B. K.; Singh, A. K.; Maurya, R. K.; Singh, P. and Singh, A. 2025. Impact of Micronutrients Foliar Application on the Growth Traits of Cauliflower (*Brassica oleracea* var. *Botrytis* L.). *International Journal of Plant & Soil Science,* 37(4): 356-365

Books and Book Chapters

1. Sharma, S., Barman, K., Krishna, H., Chaurasia, S.N. and Mujumdar, A.S. (2024). Advances in Freeze Drying to Improve Efficiency and Maintain Quality of Dehydrated Fruit and Vegetable Products. In: Freeze Drying of Food Products (Eds. R.B. Waghmare, M. Kumar and P.S. Panesar). https://doi.org/10.1002/9781119982098.ch9.
2. Sisodia, A., Singh, A.K., Sisodia, V. and Barman, K. (2024). Revolutionizing floriculture: advantages and applications of bioinoculants in plant growth and development in ornamental flower crops. In: Bio-Inoculants in Horticultural Crops, 323-333. https://doi.org/10.1016/B978-0-323-96005-2.00021.

Department of Mycology & Plant Pathology

Research Papers and Articles

1. Dutta, Amitava, Rashi Tyagi, Anirudha Chattopadhyay, Debtoru Chatterjee, Ankita Sarkar, Brejesh Lall, and Shilpi Sharma. "Early detection of wilt in Cajanus cajan using satellite hyperspectral images: Development and validation of disease-specific spectral index with integrated methodology." Computers and Electronics in Agriculture 219 (2024): 108784
2. Meher, Jhumishree, Srikanta Lenka, Umapathy Keerthana, Susheel N. Chaurasia, Ankita Sarkar, and Birinchi Kumar Sarma. "Intermittent drought adversely impacts monogenic resistance of rice to the blast pathogen Magnaporthe oryzae and is associated with alteration in histone acetylation." Plant and Soil (2024): 1-21
3. Mukherjee, Arpan, Anand Kumar Gaurav, Gowardhan Kumar Chouhan, Saurabh Singh, Ankita Sarkar, Saman Abeysinghe, and Jay Prakash Verma. "Chickpea seed endophyte Enterobacter sp. mediated yield and nutritional enrichment of chickpea for improving human and livestock health." Frontiers in Nutrition 11 (2024): 1387130.
4. Arif, M., Verma, V., Priyadarshini, A., Satnami, L., Mishra, A., Ansari, M., ... & Sarkar, A. (2023). Evaluation of Trichoderma spp. as a plant growth promoter and antagonist of major pulse pathogens. Journal of Food Legumes, 36(4), 278-287.(Accepted: 9 February 2024).

Books and Book Chapters

1. Veeresh, D. A., Dawa Dolma Bhutia, Isha Pokhrel, Sweety Chakraborty, Abhishek Kumar, Aalok Mishra, and Ankita Sarkar. "Nanoremediation and role in environmental clean up." In Microbiome-Assisted Bioremediation, pp. 381-400. Academic Press, 2024.
2. Ansari, Mariya, Aalok Mishra, Anirudha Chattopadhyay, Arpan Mukherjee, and Ankita Sarkar. "Plant Defence Regulation: Role Play of Mycorrhizal Fungi." In Regenerative Agriculture, pp. 23-46. CRC Press, 2024.
3. Kumar, S., Chandra, R., Vinod Kumar S. and Singh, V.P., Bharti, S., Anand, S. (2025). Diseases of major root vegetables and their management. In: Dynamics of Crop Diseases and Their Management. Dinesh Singh, Ali Anwar, Rashid Pervez, Asha Nabi, Rajendra Gade, Qadrul Nisa, Roohi Jan, Zohra Shabir, R. Junaid Rashid, Shivanshi Gupta and Y. V. Ingle (Eds.). Today and Tomorrow's Printers and Publishers -New Delhi (India). Pp 45-63. (ISBN: 9788197361258).
4. Kumar, S., Singh, M., Singh, V.P., Chandra, C., Vinod Kumar S. (2025). Advances in the disease management of potatoes. In: Advances in Research on Potato Production. Solanki, S.S. (Ed.). Springer Nature, Switzerland AG. pp 373-390. (ISBN: 978-3-031-82709-9).

Department of Plant Physiology

Research Papers and Articles

1. Prabhat K. Chauhan, S. K. Upadhyay, Vishnu D. Rajput, Padmanabh Dwivedi, Tatiana Minkina and Ming Hung Wong (2024). Fostering plant growth performance under drought stress using rhizospheric microbes, their gene editing, and biochar. Environ Geochem Health, 46: 41 doi.org/10.1007/s10653-023-01823-1 (IF 3.2; NAAS 9.32)
2. Sudhir K. Upadhyay, Garima Singh, Nitu Rani, Vishnu D. Rajput, Chandra Shekhar Seth, Padmanabh Dwivedi, Tatiana Minkina, Ming Hung Wong, Pau Loke Show and Kuan Shiong Khoo (2024). Transforming bio-waste into value-added products mediated microbes for enhancing soil health and crop production: Perspective views on circular economy. Environmental Technology Innovation. 34, 103573. https://doi.org/10.1016/j.eti.2024.103573. (IF 6.7; NAAS 12.7)
3. Prasann Kumar, Padmanabh Dwivedi and Sudhir K Upadhyay (2024). Optimization of polyamine and mycorrhiza in sorghum plant for removal of hazardous cadmium. Plant Physiology Biochemistry, 214 https://doi.org/10.1016/j.plaphy.2024.108846 (IF 6.1; NAAS 12.1)
4. Diksha Kumari, Bishun Deo Prasad, Padmanabh Dwivedi, Sangita Sahni, Mankesh Kumar, Sand Alamri, Muhammad Faheen Adil and Khalid A Alakeel (2024). Comprehensive analysis of transcription factor binding sites and expression profiling of rice pathogenesis related genes (OsPR1). Fron Plant Science. Doi 10.3389/fpls.20241463147 (IF 4.1; NAAS 10.1)
5. Diksha Kumari, Bishun Deo Prasad, Padmanabh Dwivedi (2024). Genome – wide analysis of calmodulin binding Protein60 candidates in the important crop plants. Molecular Biology Reports, 51, 1105. doi.org/10.1007/s11033-024-10032-7 (IF 2.6; NAAS 8.6)
6. Tanya Garg, Padmanabh Dwivedi, Manoj K. Mishra, Naveen Chandra Joshi, Neeraj Shrivastava and Vaibhav Mishra (2024). Artificial Intelligence in plant disease identification. Methods in Microbiology, 55, 179-193. Eds. Akanksha Srivastava and Vaibav Mishra Elsevier. https://doi.org/10.1016/bs.mim.2024.05.007 (ISSN 05809517; Book Series), Elsevier. (NAAS 5.0)
7. Binny Sharma, Padmanabh Dwivedi and Ankita Ankita (2025). Effect of chitosan and Trichoderma on Pea sativum germinating seeds under induced cadmium toxicity. J Plant Growth Regulation. Doi.org/10.1007/s00344-024-11578-3 (IF 4.4, NAAS 10.4)
8. Manju Jat, Madhurya Ray, Md Afjal Ahmad and Pravin Prakash (2024) Unravelling the phortosynthetic dynamics and fluorescence parameters under ameliorative effects of 24-epibrassinolide in wheat (Triticum aestivum L.) grown under heat stress regime. Scientific Reports, 14:30745.
9. Pallavi Srivastava, Nitish Kumar, Ruqaiya Bano, Pravin Prakash, Durga Shankar Bunkar, Garima Singh, Abhinay Shashank (2024) Comparative Evaluation of Storage Temperatures on Physiological and Microbiological Parameters of Chemically Treated Button Mushroom (Agaricus bisporus) Stored under Modified Atmospheric Packaging (MAP) Asian Journal of Dairy and Food Research, Published online
10. Tannu Priya, Savita Jangde, Pravin Prakash and Krishna Kumar (2024). Nano iron sulphide (FeS2) application and its influence on growth and yield of Oilseed Brassica species. Biological Forum – An International Journal, 16(4): 148-153.
11. SrivastavaK,SahaS, Verma RK, Patel A, Tirkey AE and P.Vijai (2025)Traitassociationanalysisunderabiotic stresses in Indian mustard (Brassica junceaL.Czern.&Coss.)Unraveling relationships and significance. J.ofEnv.Biol. 46: 357-364
12. Naik, B. V., Ahmad, M. A., Jangde, S., Sanodiya, P., Ray, M., Reddy, K. M. and Jat, M. (2024). Effects of Foliar Application of Salicylic Acid on Morphological, Biochemical and Yield Attributes of Maize (Zea mays L.) under Rainfed Condition. Bangladesh Journal of Botany, 53(2), 273–278.
13. Yashu, B. R., Gupta, K., Singh, U.P., &Jangde, S. (2024). Effect of Sodium Chloride and Boron Stress on Germination Percentage and Amylase Activity in Wheat (Triticum aestivum L.). Research Journal of Agricultural Sciences, 15(04),949–952.
14. Priya, T., Jangde, S., Prakash P. & Kumar, K. (2024). Nano Iron Sulphide (FeS2) Application and its Influence on Growth and Yield of Oilseed Brassica Species. Biological Forum – An International Journal, 16(4): 148-153.
15. Reddy, K. N. M., Ahmad, M. A., Ray, M., Singh, S., et al. (2025). Impact of foliar application of sodium nitroprusside on certain morpho-physiological, biochemical and yield parameters of Kharif maize (Zea mays L.) grown under rainfed condition. Agricultural Science digest, D-6239: 1-10. https://doi.org/10.18805/ag.D-6239
16. Jat, M., Ray, M., Ahmad, M. A. and Prakash, P (2024). Unravelling the photosynthetic dynamics and fluorescence parameters under ameliorative effects of 24-epibrassinolide in wheat (Triticum aestivum L.) grown under heat stress regime. Scientific Reports, 14(1): 30745. https://doi.org/10.1038/s41598-024-79676-6
17. Naik, B. V., Ahmad, M. A., Jangde, S., Sanodiya, P., Ray, M., Reddy, K. M., and Jat, M (2024). Effects of Foliar Application of Salicylic Acid on Morphological, Biochemical and Yield Attributes of Maize (Zea Mays L.) Under Rainfed Condition. Bangladesh Journal of Botany, 53(2): 273-278. https://doi.org/10.3329/bjb.v53i2.74046

Books and Book Chapters

1. Prasann Kumar and Padmanabh Dwivedi (2024). Recent advances in the role of nitric oxide and cross-talk with signalling molecules under environmental stress in plants. In: Plant growth regulators: resilience for sustainable agriculture. (eds M. Faizan and S. Hayat), Springer-Nature, Singapore. https://doi.org/10.1007/978-981-97-2918-0_4
2. Savita Jangde, Saumya Shruti and Padmanabh Dwivedi (2024). Interpreting the genetic symphony: Strigolactones and their regulatory effect on plant growth and development. In: Plant growth regulators: resilience for sustainable agriculture. (eds M. Faizan and S. Hayat), Springer-Nature, Singapore. https://doi.org/10.1007/978-981-97-2918-0_6
3. Monika Sharma, Shipa Rani Dey, Prasann Kumar and Padmanabh Dwivedi (2024). Insights into the genetic improvement of canola. In: Genetic Engineering of crop plants for food and health security (eds S. Tiwari, B. Koul). Springer Nature Singapore. pp. 205-226. doi.org/10.1007/978-981-97-3119-0_9
4. Shipa Rani Dey, Monika Sharma, Prasann Kumar and Padmanabh Dwivedi (2024). Genetic improvement of mustard. In: Genetic Engineering of crop plants for food and health security (eds S. Tiwari, B. Koul). Springer Nature Singapore. pp. 229-259. doi.org/10.1007/978-981-97-3119-0_10
5. Shipa Rani Dey, Monika Sharma, Prasann Kumar and Padmanabh Dwivedi (2024). Genetic improvement of groundnut. In: Genetic Engineering of crop plants for food and health security (eds S. Tiwari, B. Koul). Springer Nature Singapore. pp. 281-306. doi.org/10.1007/978-981-97-3119-0_12
6. Akash Hidangmayum, Akankhya Guru, Jyotsna Setty and Padmanabh Dwivedi (2025). Uptake, accumulation and toxicity of nanoparticles in plants. In: Agriculture Sustainability through Nanotechnology. Eds. Mary Theresa et al., Taylor & Francis.
7. Saini, D. R., Prakash, P., Jangde, S., Kumar, K., & Maiti, I. (2024). Plant elicitor peptides: mechanism of action and its applications in agriculture. In: Plant Elicitor Peptides: New Tool for Sustainable Agriculture. Eds. S. Singh and R. Mehrotra. Springer nature Singapore. pp. 171-197. ISBN 978-981-97-6373-3; ISBN 978-981-97-6374-0 (eBook)
8. Jyotsna Setty, Pavan Singh, Girish Tantuway, and Vijai P. (2024) Recent Advancement on Peptide Research and their Application in Eco-agriculture. In: Plant Elicitor Peptides New Tool for sustainable agriculture. Eds. S.Singh and R. Mehrotra. Springer nature Singapore. pp 269-281. ISBN 978-981-97-6373-3; ISBN 978-981-97-6374-0 (eBook)
9. Saini, D. R., Prakash, P., Jangde, S., Kumar, K., & Maiti, I. (2024). Plant elicitor peptides: Mechanism of action and its applications in agriculture. In S. Singh & R. Mehrotra (Eds.), Plant elicitor peptides: New tool for sustainable agriculture (pp. 171–197). Springer. https://doi.org/10.1007/978-981-97-6374-0_8
10. Jangde, S., & Ahmad, M. A. (2025). Integrating sustainability into equal education opportunities. In Environmental

landscape and sustainable biodiversity for healthy green growth (pp. 97–103). In J. A. Parray, N. Shameem, & A. K. Haghi (Eds.), Sustainable Landscape Planning and Natural Resources Management series. Springer. https://doi.org/10.1007/978-3-031-75405-0_10

11. Jangde, S., Shruti, S., & Dwivedi, P. (2024). Interpreting the genetic symphony: Strigolactones and their regulatory effect on plant growth and development. In M. Faizan & S. Hayat (Eds.), Plant Growth Regulators: Resilience for Sustainable Agriculture (Chapter 6). Springer, Singapore. https://doi.org/10.1007/978-981-97-2918-0_6
12. Vishal Dinkar, Sayantan Sarkar, Saurabh Pandey, Suresh,H. Antre,,Amarjeet Kumar R. Thribhuvan, Ashutosh Singh, Ashish Kumar Singh, Badal Singh, Md. Afjal Ahmad (2024). Plant stress phenotyping: Current status and future prospects. Advances in Agronomy, Volume 188, 2024, Pages 247-294. https://doi.org/10.1016/bs.agron.2024.06.003

Faculty of Veterinary and Animal Sciences

Research Papers and Articles

1. Achyutrao, A.P., Yadav, S., Satyaprakash, K., Kumar, R., Kumar, M., Parkunan, T. and Bharti, M.K. (2025). Assessment of Biofilm Formation and Shiga-like Toxin Genes in ESBL-producing E. coli Isolates Recovered from Retail Salad Vegetables in Mirzapur District, Uttar Pradesh, India. *Indian Journal of Agricultural Research*. 1-8. https://doi.org/10.18805/IJARe.A-6351.
2. Arti Pande Achyutrao, Shweta Yadav, Kaushik Satyaprakash, Rajesh Kumar, Manish Kumar, Thulasiraman Parkunan, Mukesh Kumar Bharti. Assessment of Biofilm Formation and Shiga-like Toxin Genes in ESBL-producing E. coli Isolates Recovered from Retail Salad Vegetables in Mirzapur District, Uttar Pradesh, India. 2025. Indian Journal of Agricultural Research. doi10.18805/IJARe.A-6351.
3. B. Balamurugan Mehrotra S, Maurya VP, Singh G, Pathak MC. (2024). Effect of high energy diet supplementation during periparturient period on ovarian steroids and reproductive performance in virundavani cows. *Uttar Pradesh Journal of Zoology*. Volume 45, issue (8), page.86-92.
4. B. Balamurugan, Priyanka Narwade, Vinod Kumar R.M. Mishra and S.K. Ravi (2024). Uterine rupture due to oxytocin overdose leading to dystocia in a Labrador bitch. *Annual Research & Review in Biology,* Volume 39, Issue 10, Page 119-123.
5. B.BalamuruganPriyanka Narwade, Vinod Kumar, R.M.Mishara and S.K. Ravi.(2024). Uterine Rupture Due to Oxytocin Overdose Leading to Dystocia in a Labrador Bitch. Annual Research & Review in Biology. Volume 39, issue 10, page.119-123.
6. Baiju I, Kumar Bharti M, Somal A, Pandey S, Bhat IA, Joseph A, Chandra V, Taru Sharma G. Exploration of immunomodulatory mechanism of caprine Wharton's jelly derived mesenchymal stem cells. Cell Immunol. 2024 Nov-Dec;405-406:104879. doi: 10.1016/j.cellimm.2024.104879. Epub 2024 Sep 17. PMID: 39305581.
7. Begum, J and Mir,N.A (2024). Isolation and Characterization of Methicillin Resistant Staphylococcus aureus (MRSA)from milk samples. Indian J Dairy Sci 77(5): 448-454. https://epubs.icar.org.in/index.php/IJDS/article/view/144854
8. Begum,Jand Mir, N.A (2024).Culture sensitivity tests.In: Compendium of 10 Day National short course training titled Hands on Training on "Diagnostic Techniques for the investigation of diseases in farm animals" ISBN: 32360, Pp. 72-80
9. Begum,J and Mir,N.A. (2024). Techniques for culturing microbes and its identification. In: Compendium of 10 Day National short course training titled Hands on Training on "Diagnostic Techniques for the investigation of diseases in farm animals" ISBN: 32360, Pp. 46-49
10. Begum,J., Mir, N.A., Sharma,A and Buyamayum,B (2024). Sample collection and Handling. In: Compendium of 10 Day National short course training titled Hands on Training on "Diagnostic Techniques for the investigation of diseases in farm animals" ISBN:32360, Pp. 5-13
11. Channa, G. R., Tomar, A. K. S., Maurya, V., Prabhakar, A., Pawankar, K. N., &Katkade, B. S. Effect of age at calving and lactation order on milk yield per kg of live body weight in Vrindavani cows under institutional farm conditions. *International Journal of Veterinary Sciences and Animal Husbandry 2024; 9(1):* 1384-1387,ISSN: 2456-2912
12. Chaudhary, S. K., Dutta, N., Jadhav, S. E., Singh, G., Singh, S. K., & Tewari, D. (2024). Effect of strategic supplementation of a novel feed supplement on zoo-technical attributes, metabolic profile, production and reproduction performance of buffaloes. *Buffalo Bulletin*, *43*(2), 209-225.
13. Chaudhary, S. K., Dutta, N., Jadhav, S. E., Singh, G., Singh, S. K., & Tewari, D. (2024). Novel feed supplement improved metabolic hormones, antioxidant activity, immune response and gene expression in postpartum cows. *Animal Nutrition and Feed Technology*, *24*(2), 289-302.
14. Choubey, M., Chaudhary, S. K., & Singh, A. K. (2024). Assessing the nutritional value of common tree leaves in eastern Uttar Pradesh for livestock feeding.*International Journal of Advanced Biochemistry Research 8*(12), 1422-1424.
15. Chowdhury, A., Kumar, A. Y. N., Kumar, R., Maurya, V. K., Mahesh, M. S., Singh, A. K., ... & Ghosh, M. (2024). Optimization of microwave parameters to enhance phytochemicals, antioxidants and metabolite profile of de-oiled rice bran. *Scientific reports*, *14*(1), 23959.
16. Chowdhury, A., Kumar, A.Y.N., Kumar, R., Maurya, V.K., Mahesh, M.S., Singh, A.K., Yadav, P.K. & Ghosh, M. 2024. Optimization of microwave parameters to enhance phytochemicals, antioxidants and metabolite profile of de-oiled rice bran. Scientific Reports 14: 23959 (IF: 3.8)
17. Das, A. Biswas, S., Satyaprakash, K., Bhattacharya, D., Nanda, P.K., Patra, G., Moirangthem, S., Nath, S., Dhar, P., Verma, A.K., Biswas, O., Tardi, N.I., Bhunia, A.K. and Das, A.K. (2024). Ratanjot (Alkanna tinctoria L.) root extract, rich in antioxidants, exhibits strong antimicrobial activity against foodborne pathogens and is a potential food preservative. Foods, 13, 2254. https://doi.org/10.3390/foods13142254
18. Das, A., Chauhan, G., Agrawal, R., Nanda, P.K., Tomar, S., Chauhan, P., Satyaprakash, K. and Das A.K. (2024). Quality attributes and shelf-life evaluation of goat meat with Indian curd extract, lactic acid, and nisin under refrigerated conditions. *Explor Anim Med Res.* 14(2): 239-248. https://doi.org/10.52635/eamr/14.2.239-248
19. Das, A., Satyaprakash, K., Bhattacharya, D., & Sarkhel, S. P. (2025). Cleaning and sanitation in milk plant. In *Handbook of milk production, quality and nutrition*. Academic Press. ISBN: 978-0-443-24820-7 (pp. 567–578).
20. Dhote, V., Chaudhary, S. K., Choubey, M., Singh, A. K., Singh, A., Kumar, A., & Tewari, D. (2025). Exploring comparative nutritional dynamics of conventional and hybrid varieties of Moringa oleifera in goat rumen inoculum. *Range Management and Agroforestry*, *46*(1), 75-80.
21. Femi Francis, Ashutosh L, Thulasiraman Parkunan* &Sachinandan DE (2024) Effect of season on hematological, physio-biochemical and electrolyte profiles of indigenous goat breeds, Biological Rhythm Research, 55:11-12, 520-534, DOI: 10.1080/09291016.2024.2419803
22. Gangwar, C., Kumar, A., Gururaj, K., Kumar, A., Qureshi, S., Kumar, M., ... & Ranjan, R. (2025). Bolstering Buck Fertility: The Impact of *Asparagus racemosus* Aqueous Extract on Semen Cryopreservation and Antioxidant Defence System. *Biopreservation and Biobanking*, *23*(1), 53-61.
23. Glotra, A., Jat, S. L., Singh, A. K., Parihar, C. M., Pooniya, V., Kumar, S., ... & Mandal, A. (2024). Influence of tillage, residue and nitrogen placement on maize growth and yield under conservation agriculture. *Plant Science Today*, *11*, 3662.
24. Gupta, A., Sangwan, M. L., Varshney, R., Kumar, A., & Dubey, T. (2024). Peptidoglycan recognition protein-1 gene polymorphism and its association with mastitis in Murrah buffalo. *Buffalo Bulletin*, *43*(2), 135–149. https://doi.org/10.56825/bufbu.2024.4323666 [ISBN/ISSN No.: 0125-6726]
25. Kadam, R. G., Karikalan, M., Varshney, R., Chander, V., Singh, K. P., & Sharma, A. K. (2025). Immuno-pathological and molecular screening of rabies virus in Indian wild felids: Unravelling sylvatic to urban spillover. *Veterinariaitaliana, 61*(2), Article 0505. https://doi.org/10.20506/0505-401X [ISBN/ISSN No.: 0505-401X]
26. Krishnan, B. K., Balasubramanian, G., & Kumar, P. P. (2024). Leptospirosis in India: insights on circulating serovars, research lacunae and proposed strategies to control through one health approach. *One Health Outlook*, *6*(1), 11.Leptospirosis in India: insights on circulating serovars, research lacunae and proposed strategies to control through one health approach.
27. Kumar, P. R., Choubey, M., & Kumar, A. (2024). Phenotypic characterization of distinct indigenous goats from Vindhyan region of Eastern Uttar Pradesh. *The Indian Journal of Animal Sciences*, *94*(7), 592-597.
28. Kumar, P. R., Choubey, M., & Kumar, A. (2024). Phenotypic characterization of distinct indigenous goats from Vindhyan region of Eastern Uttar Pradesh. *The Indian Journal of Animal Sciences*, *94*(7), 592-597.
29. Kumari, A., Tripathi, U. K., Kumar, M., Singh, A., & Maurya, V. (2025). Factors contributing to piglet mortality in Indian farms: An in-depth analysis. *International Journal of Veterinary Sciences and Animal Husbandry,* 10(3), 392–397. https://doi.org/10.22271/veterinary.2025.v10.i3f.2166 ISSN: 2456-2912 (Feb, 2025)
30. Kundu, S., Varshney, R., & Sulabh, S. (2024). Exploration of isothermal nucleic acid amplification techniques in the biomedical field. *Gene and Genome Editing*, *100*, 100032. https://doi.org/10.1016/j.ggedit.2024.100032 [ISBN/ISSN No.:2666-3880] [Review article]
31. Kushwaha, J., Singh, Y., Mahesh, M.S., Yadav, S.K., Sheth, P.N. and Dhoble, A.S. 2025. Metabolomic profiling of cow urine of various breeds reveals bioactive metabolites of diverse industrial applications. Applied Biochemistry and Biotechnology https://doi.org/10.1007/s12010-025-05300-6 (IF: 3.3)
32. Kushwaha, J., Singh, Y., Yadav, S.K., Sheth, P.N., Mahesh, M.S. and Dhoble, A.S. 2024. Deciphering cleaner and sustainable frontiers in scientific cow waste valorization: a review. Environmental Monitoring and Assessment 196(988) https://doi.org/10.1007/s10661-024-13120-0 (IF: 2.9)
33. Mahesh, M.S., Chaudhary, S.K., Tewari, D. & Dutta, N. 2024. Hydroponic forage for ruminant feeding: a comprehensive review. *Animal Nutrition and Feed Technology* 24: 441-459.
34. Malapure, C.D., Kumar, D., Mahesh, M.S., Bharath Kumar, B.S. & Saha, S.K. 2024. Haemato-biochemical and immune responses to dietary sugarcane press mud in calves. National Academy Science Letters https://doi.org/10.1007/s40009-024-01530-0 (IF: 1.2)
35. Malapure, C.D., Saha, S.K., Kumar, D., Mahesh, M.S. & Kumar, R. 2024. Exploring sugarcane press mud as an economical feed ingredient for growing cattle. Sugar Tech 26: 1171–1178 https://doi.org/10.1007/s12355-024-01463-4 (IF: 1.8)
36. Mamatha, D., Maurya, S., Swati, K., Kumar, A. Y. N., Varshney, R., Yadav, P. K., Prasad, M., & Ghosh, M. (2024). Nanotechnology in bacterial livestock disease diagnosis. In *Theranostics in Livestock Diseases and Management*. Springer Nature Singapore. https://doi.org/10.1007/978-981-16-1610-5 [eBook ISBN 978 981 16 1610 5, Series ISSN 2662 434]
37. Maurya, S., Swati, K., Ghosh, M., & Yadav, P. K. (2025). Matrix metalloproteases as diagnostic and prognostic biomarkers in cancer, Editor(s): Sajal Chakraborti, Srijit Das, Cheorl-Ho Kim, Pathophysiological Aspects of Proteases in Cancer, Academic Press, 205-222, ISBN 9780443300981, https://doi.org/10.1016/B978-0-443-30098-1.00013-6.
38. Maurya, S., Swati, K., Suvetha, S., Ghosh, M., & Yadav, P. K. (2025). Antiproliferative Effects of Methanolic Fruit Extract of Solanum xenthocarpum (L.) on Human Breast Cancer Cells. *Chemistry & biodiversity*, *22*(2), e202401672. https://doi.org/10.1002/cbdv.202401672
39. Maurya, V., Kadam, R. G., Varshney, R., Tripathi, U. K., & Kumari, A. (2025, March). *Dietary saponins: A sustainable approach to health and productivity in broiler chickens* (Abstract No. 1446). In Proceedings of the 3 Days International Conference on Global Research Initiatives for Agriculture, Science and Technology (GRIAST-2025).
40. Mishra, R. M., Ravi, S. K., Balamurugan, B., Yadav, P. K., Kumar, A., Kumar, P. R., ... & Tiwari, M. K. (2025). Effect of Exogenous Human Kisspeptin-10 on Concentration of Estradiol, Progesterone and Its Response on Expression of Estrus Signs in Bhadawari Buffaloes. *UTTAR PRADESH JOURNAL OF ZOOLOGY*, *46*(6), 156-168.
41. Mishra, R. M., Ravi, S. K., Balamurugan, B., Yadav, P. K., Kumar, A., Kumar, P. R., Saraf K K., ... & Tiwari, M. K. (2025). Effect of Exogenous Human Kisspeptin-10 on Concentration of Estradiol, Progesterone and Its Response on Expression of Estrus Signs in Bhadawari Buffaloes. UTTAR PRADESH JOURNAL OF ZOOLOGY, 46(6), 156-168.
42. Mittal, M., Chakravarti, S., Kundu, K., Tripathi, P., & Batra, P. (2025). Development of a multiplex PCR assay targeting mitochondrial cytochrome oxidase subunit III (cox3) gene for simultaneous specific and sensitive detection of *Babesia gibsoni* and *Babesia vogeli* in dogs. *Experimental Parasitology*. Advance online publication. https://doi.org/10.1016/j.exppara.2025.108922
43. Mittal, M., Chakravarti, S., Kundu, K., Tripathi, P., & Batra, P. (2025). Development of a multiplex PCR assay targeting mitochondrial cytochrome oxidase subunit III (cox3) gene for simultaneous specific and sensitive detection of *Babesia gibsoni* and *Babesia vogeli* in dogs. *Experimental*

Parasitology. Advance online publication. https://doi.org/10.1016/j.exppara.2025.108922

44. Ojha, L., Malik, R., Mani, V., Singh, A. K., & Singh, M. (2025). Influence of silicon supplementation on growth, immunity, antioxidant, hormonal profile and bone health biomarkers in pre-ruminant crossbred calves. *Biological Trace Element Research*, *203*(1), 187-198.
45. Pandey S, Bharti MK, Bhat IA, Chandra V, Taru Sharma G. Progesterone supplemented uterine epithelial cell co-culture improves in vitro quality embryo production in buffalo. J ReprodHealthc Med 2024;5:10.
46. Patbandha, T.K., Marandi, S., Vaghamashi, D.G., Garg, D.D. and Sharma, A. (2024). Sexual dimorphism of growth and morphometric traits in caribro-dhanrajacoloured broilers. Haryana Vet. 63(SI): 61-65.
47. Pramod Kumar, J.S. Mehta, S. K. Ravi, T. R. Talluri, B. L. Kumawat, Tapendra Kumar, Shivendra Kumar, D. Jhamb and Ramesh Kumar Dedar (2024). Protective efficacy of cholesterol-loaded cyclodextrin (CLC) against sperm morphological abnormalities inMarwari stallions. *Animal Reproduction Update*, 2024; Volume-4, Issue-1 (January-June): Pages 3-10.
48. Priyanka Narwade, B Balamurugan, Rabindra Mohan Mishra, Priya Ranjan Kumar, Vinod Kumar, P Suvaneeth, Dayanidhi Jena and Sanjay Kumar Ravi (2024). Granulosa cell tumour (GCT) associated with Pyometra in a golden retriever bitch. *International Journal of Veterinary Sciences and Animal Husbandry,*2024; 9(1): 641-644.
49. Priyanka Narwade, B Balamurugan, Sanjay Kumar Ravi, Priya Ranjan Kumar and Rabindra Mohan Mishra (2024). Exploratory laparotomy followed by hysterectomy in a German shepherd bitch due to fetal maceration. *International Journal of Veterinary Sciences and Animal Husbandry,*2024; 9(1): 1239-1241.
50. Priyanka Narwade, B. Balamurugan, Dayanidhi Jena, Sanjay Kumar Ravi and Rabindra Mohan Mishra (2024). Successful management of fetal macerations in two different Does. *Annual Research & Review in Biology,* Volume 39, Issue 10, Page 85-88.
51. Priyanka Narwade, Dayanidhi Jena, Sanjay Kumar Ravi, Balamurugan B, Rabindra Mohan Mishra and Rahul G Kadam(2024). Fetal mummification in a doe: A comparative case study. Uttar Pradesh Journal of Zoology. Volume 45 issue 24, page no.139-143
52. Priyanka Narwade, Sanjay Kumar Ravi, B Balamurugan, Vinod Kumar, Dayanidhi Jena and Rabindra Mohan Mishra (2024). Complete primary uterine inertia resulting with dystocia in a non-descript queen-A case report. *International Journal of Veterinary Sciences and Animal Husbandry,*2024; 9(3): 637-639.
53. Rajak, S. K., Singh, A. K., Singh, A. K., Rai, A., &Gangwar, A. (2024). Assessment of feeding hydroponic fodder on growth and reproduction performance in Black Bengal goat. *Tropical Animal Health and Production*, *56*(9), 388.
54. Rao, T.K.S., Kumar, D., Verma, K.K.*, Singh, A. (2024). Effect of management conditions on performances and welfare status in dairy cows. *Int. J. Life Sci. and Appl. Sci.,* 5(3):12-24
55. Rashmi, K.M., Prabhu, T.M., Soren, N.M., Yathish, H.M. and Mahesh, M.S. 2025. Cashew (Anacardium occidentale L.) nut meal could be a promising alternative protein feedstuff for lambs. Small Ruminant Research 248:107501 (IF: 1.4)
56. Santosh Marandi and Raj Narayan. Study of egg production parameters of pure and crossbred Japanese quail strains. The Pharma Innovation Journal (2024); 13(1): 103-107. ISSN (P): 2349-8242, ISSN (E): 2277-7695.
57. Santosh Marandi. Study of microbial changes in albumen during storage of salted white leghorn eggs. The Pharma Innovation Journal 2024; 13(3): 96-98. ISSN (P): 2349-8242, ISSN (E): 2277-7695.
58. Satyaprakash, K., Das, A., Bhattacharya, D., & Sarkhel, S. P. (2025). Environmental contamination and food chain bioaccumulation. In *Epidemiology and environmental hygiene in veterinary public health* (pp. 461–476). Springer. ISBN: 978-1-394-20815-9
59. Singh, A.K., Prawez, S., Kumar, M., Kumar, D., Vineeth M.R. and Narvade, P. (2024). Ameliorative Effects of Phyto-estrogen 'Genistein', Homeopathic Combination 'R-85' and Captopril on Body Weight, Organ Weight, Feed and Water Intake in L-NAME Induced Hypertensive Wistar Rats. Uttar Pradesh J. Zool., 2024; 45(19): 388-399, Article No.UPJOZ.4176 DOI: https://doi.org/10.56557/upjoz/2024/v45i194542 *Published:14/10/2024*
60. Singh, A.K., Prawez, S., Kumar, R., Jha, A.K., Chauhan, A. and Ram, P.K. (2024). Survey of Antihypertensive Drugs Sold from Different Pharmacy Shops of Selected Areas of Varanasi District of Uttar Pradesh. J. Krishi. Vigyan. 2024; 12(3):695-701. DOI:10.5958/2349-4433.2024.00119.8 *Accepted on 20/8/2024*
61. Upadhyay, S. K., Tewari, D., Singh, V. K., Chaudhary, S. K., & Verma, N. (2024). Deciphering soil–plant-animal continuum in relation to trace elements in middle Gangetic plain region of India. *Tropical Animal Health and Production*, *56*(6), 197.
62. Varshney, R., & Suvaneeth, S. (2024). Immunological and serological techniques for disease diagnosis. In Compendium: Hands-on training on diagnostic techniques for the investigation of diseases in farm animals (5th–14th November, 2024) (pp. 85–89). Banaras Hindu University. [10 Days National Short course].
63. Varshney, R., Desai, D. N., Sulabh, S., Varshney, R., & Ghosh, M. (2024). Nanotechnology in vaccine development to combat bacterial livestock diseases. In *Theranostics in Livestock Diseases and Management* (pp. 301–316). Springer Nature Singapore. https://doi.org/10.1007/978-981-16-1610-5_1 [eBook ISBN 978 981 16 1610 5, Series ISSN 2662 434]
64. Patel, S. K., Rana, J., Pathak, M., Singh, A., Agrawal, A., & Saikumar, G. (2024). Genetic characterization and pathology of Porcine Teschovirus (PTV) in India. Indian Journal of Animal Research, 58(9), 1536–1542. https://doi.org/10.18805/ijar.b-5249.
65. Mahapatra, A., Rana, J., Pathak, S. K., Ravi, S. K., Kumar, M., & Kumar, S. (2025). Inhalation of formalin vapors during gestation: Effects on placental integrity and fetal viability in rats. *Uttar Pradesh Journal of Zoology*, *46*(10), 87–93. https://doi.org/10.56557/upjoz/2025/v46i104966
66. Roy, D., Chaturvedani, A. K., Goyal, J., Ravi, S. K., Kumar, D., & Kumar, A. (225). Psychometric validation and KR-20 reliability of a knowledge tool for semi-intensive pig production. *Indian Journal of Extension Education, 61*(3), 104–108.
67. Patil, A. P., Chander, M., Verma, M. R., Kumar, S., Kumari, M., & Johnson, D. C. (224). E-readiness evaluation and training needs assessment among goat bank Pashusakhis in Maharashtra. *Indian Journal of Extension Education, 60*(1), 85–90.
68. Tedeschi, L. O., Johnson, D. C., Atzori, A. S., Kaniyamattam, K., & Menendez, H. M. III. (224). Applying systems thinking to sustainable beef production management: Modeling-based evidence for enhancing ecosystem services. *Systems, 12*(11), 446. https://doi.org/10.3390/systems12110446
69. Chaturvedani, A. K., & Chander, M. (224). Effectiveness of Agriculture Technology Management Agency (ATMA) in extension service delivery in Chhattisgarh state of India. *Indian Research Journal of Extension Education, 24*(4), 20–27.
70. Goyal, J., & Sahu, M. (224). Key components of the poultry farming business. In *Backyard Kukut Palan: Grameen Kshetron ki SandharaneeyAajeevika (Backyard Poultry Farming: Sustainable Livelihood in Rural Areas)* (pp. 153–180). Satish Serial Publishing House. ISBN 978-93-95700-44-3.
71. Kumar, P.R. (2024). Evaluation of the efficiency of estrus synchronization protocols combined with natural service and ultrasonography on ewe reproductive performance during non-breeding season. Iranian Journal of Veterinary Research 25(1): 48-53. ISSN: 2252-0589. DOI: 10.22099/IJVR.2024.48021.6981
72. Halder, B., Sarkar, S., Lodh, C. and Gupta, A.R. (2024). Therapeutic Management of Cholecystitis in Dog, Ind. J. Canine Pract., 16(1): 23-24
73. Zingare, S., Pajai, K., Waghmare, S., Siddiqui, M.F.M.F., Kuralkar, S., Hajare, S. and Dewangan, S. (2025). Phytotherapeutic Efficacy of Cucurbita Pepo Against Gastrointestinal Helminths in Goats. Uttar Pradesh Journal of Zoology 46 (12): 388-94. https://doi.org/10.56557/upjoz/2025/v46i125076.
74. Kumar, V., Sakshi, Zingare, S., Kadam, R.G. and Jena, D. (2025). Removal of Eleven Live Puppies through Caesarean Section due to Complete Primary Uterine Inertia in a Saint Bernard Bitch. Indian Journal of Veterinary Science and Biotechnology, 21(3): 135-136.
75. Saurabh Zingare, Abhijeet Ranjan, Vinod Kumar, Kruti Debnath Mandal, Rahul Ganpatrao, Amit Raj Gupta and Dayanidhi Jena. (2025). Central Vestibular Disease in Pug Breed Dog Secondary to Ehrlichiacanis Infection. Uttar Pradesh Journal of Zoology. 46(15): 338-342. ISSN: 0256-971X(P)
76. Vinod Kumar, Sakshi, Saurabh Zingare, Rahul G Kadam, Dayanidhi Jena. (2025). Removal of Eleven Live Puppies through Caesarean Section due to Complete Primary Uterine Inertia in a Saint Bernard Bitch. Ind. J Vet. Sci and Biotech. Doi: 10.48165/ijvsbt.21.3.28
77. Vinod Kumar, Keshav Sharma, Priyanka Narwade, Dayanidhi Jena. (2024). Surgical management of fetal maceration in abitch. The Indian Journal of Animal Reproduction. 45(2): 82-85. ISSN: 0970-2997 9print). Doi: 10.48165/ijar.2024.45.02.15
78. Jigyasa Rana, Omshiv Keshari, C.K. Faslu Rahman, Vinod Kumar, Shailesh Kumar Patel and Bhabesh Chandra Das. (2024). Extraction and Evaluation of Collagen as biomaterial from Chicken Shank. Indian Journal of Animal Research. Doi: 10.18805/IJAR.B-5502
79. V. Kumar, V. Lalzawmliana, D. Ghosh and S. Warson Monsang. (2024). Surgical management of contused penios and prepuce with paraphimosis in Large Indian crossbred bull- A case report. Indian J animal Health: 63(!): 139-140. Doi: doi.org/10.36062/ijah.2023.15622.
80. S. Kumar, V. Tiwari Nd V. Kumar. (2024). Trichoblastoma in an Indian dog: a clincal and diagnostic investigation. Indian J animal Health. 63(1): 141-142. Doi: doi.org/10.36062/ijah.2023.15722

Books and Book Chapters

1. Prakash M Tabhani, Mahipal Choubey and Vipul R Patel (2024) *Tanniferous leaves: natural anthelmintic for small ruminant production.* LAP Lambert Academic Publishing, London, UK, ISBN: 978-6208419035
2. महिपालचौबे, संदीपकुमारचौधरीऔरअभिषेककुमारसिंह (2024) *मुर्गियोंकापोषणएवंआहारप्रबंधन: किसानोंएवंछात्रोंहेतुउपयोगीपुस्तक,* WeXpressYou, Ghaziabad, ISBN: 978-81-958095-5-4
3. Kumar, D., Kumar, R., Mahesh, M.S. and Yadav, P.K. 2024. Handbook of Livestock and Poultry Production and Management. Narendra Publishing House, Delhi, India. (ISBN: 978-93-5651-697-7)
4. Mahesh, M.S. and Yata, V.K. 2024. Feed additives and supplements for ruminants. Springer Nature Singapore. (ISBN: 978-981-97-0793-5)
5. Patel, S. K., Rana, J., & Balamurugan, B. (2024). Vet Scorer (2nd ed., pp. 1–690). Jaya Publishing House. ISBN: 978-93-56518-48-3
6. Mohapatra, A., Pathak, S. K., Mishra, P. K. K., &Parkunan, T. (2025). Physiology of ear and hearing. In *Common ear diseases in dogs: Diagnosis and management.* https://doi.org/10.2174/9789815313598125010005
7. Preeda, M. G., Parkunan, T., Bharti, M. K., Kumar, M., & Mahapatra, A. (2025). Clinical physiology of lymphatic disorders. In *Fundamentals of veterinary pathophysiology.* https://doi.org/10.1201/9781003426837-18
8. Chaturvedani, A. K., Goyal, J., & Johnson, D. (Eds.). (224). *वैज्ञानिकबकरीपालनएवंप्रबंधन [Scientific Goat Rearing and Management].* Raipur, India: Ropan Publications. ISBN 978-81-972685-1-9.
9. Editor for the compendium for National Short Course on Hands-on Training on Diagnostic techniques for the Investigation of diseases in Farm Animals organized by D/o Vety. Microbiology, FVAS between 5/11/2024-14/11/2024. ISBN: 32360.
10. Sheep and Goat Reproduction (The Practice and Applications). Authors: B. Balamurugan and ,Sanjay Kumar Ravi; First Edition (ISBN 978-93-58994-15-5): Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089
11. Arulmozhi and B.Balamurugan. (2024). Tumours of the Female Reproductive Tract. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 121 to 122, ISBN: 978-93-58994-15-5.
12. Abhishek K. Singh, Lamella Ojha, Punita Kumari, Mahipal Choubey & Sandeep K. Chaudhary (2024)Phytochemicals as Natural Feed Additives for Ruminants In: Feed Additives and Supplements for Ruminants; Springer Nature, Singapore ISBN: 978-981-97-0793-5
13. Anatomy of Female Reproductive System, P.Dharani and B.Balamurugan. Sheep and Goat Reproduction 2024) (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 01 to 03, ISBN: 978-93-58994-15-5.
14. Anuradha Kumari, Utkarsh Tripathi, Manish Kumar, and Anshuman Kumar (2025) Feed and Fodder. MCQ: Comprehensive Animal Nutrition; Narendra Publishing House, Publisher and Distributor, ISBN: 978-935651-635-9(PB). Page:253
15. Anuradha Kumari, Utkarsh Tripathi, Vipin Maurya and Manish Kumar, (2025), Nutrition Requirement and Feeding of Poultry. MCQ: Comprehensive Animal Nutrition; Narendra Publishing

House, Publisher and Distributor, ISBN: 978-935651-635-9(PB). Page: 390.

16. Application of Laparoscopy in Reproduction; B. Balamurugan, Priyanka Narwade and S.K. Ravi, Page No. 206-208.In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
17. Artificial Insemination (AI); B. Balamurugan, R.M. Mishra and S.K. Ravi. Page No. 199-205. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
18. B. Balamurugan (2024). Uniqueness of Sheep and Goat Reproduction. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 229 to 244, ISBN: 978-93-58994-15-5.
19. B. Balamurugan and S.K. Ravi. (2024). Maternal Recognition of Pregnancy (MRP), Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 37 to 41, ISBN: 978-93-58994-15-5.
20. B. Balamurugan and S.K.Ravi. (2024). Dystocia. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 66 to 72, ISBN: 978-93-58994-15-5.
21. B. Balamurugan, Priyanka Narwade and R.M.Mishra. (2024). Non-infectious Causes of Infertility. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 161 to 166, ISBN: 978-93-58994-15-5.
22. B. Balamurugan, Priyanka Narwade and S.K.Ravi. (2024). Applications of Laparoscopy in Reproduction. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 206 to 208, ISBN: 978-93-58994-15-5.
23. B. Balamurugan, Priyanka Narwade and S.K.Ravi. (2024). Pregnancy, Parturition and Puerperium. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 55 to 58, ISBN: 978-93-58994-15-5.
24. B. Balamurugan, Priyanka Narwade and S.K.Ravi. (2024). Pseudopregnancy in Goat. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 167 to 169, ISBN: 978-93-58994-15-5.
25. B. Balamurugan, R.M. Mishra and S.K. Ravi. (2024). Artificial Insemination (AI). Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 199 to 205, ISBN: 978-93-58994-15-5.
26. B. Balamurugan, S.K. Ravi and R.M. Mishra.(2024). Pregnancy Diagnosis. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 46 to 51, ISBN: 978-93-58994-15-5.
27. B.Balamurugan and S.K.Ravi. (2024). Anatomy of male Reproductive System, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 10 to 14, ISBN: 978-93-58994-15-5.
28. B.Balamurugan, Priyanka Narwade and S.K.Ravi. (2024). Parturition Related Disorders. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 108 to 115, ISBN: 978-93-58994-15-5.
29. B.Balamurugan, Priyanka Narwade and S.K.Ravi. (2024). Prolapse of Genitalia. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 116 to 120, ISBN: 978-93-58994-15-5.
30. Buragohain, L., Kumar, R., Kumar, A.Y.N., Ghosh, M. (2024). Nanointerventions for Detections of Viral Livestock Diseases. In: ibid. https://doi.org/10.1007/978-981-16-1610-5_5
31. Care and Management of Growing Lambs and Kids by Vipin Maurya & Balamurugan, in Sheep and Goat Reproduction (The Practice and Applications)" 2024, by Elite Publishing House H1/60, Sector - 16, Rohini, New Delhi - 110089 978-93-58994-15-5
32. Care and Management of Prepartum, Peripartum and Post-partum by Vipin Maurya & Balamurugan, in Sheep and Goat Reproduction (The Practice and Applications)" 2024, by Elite Publishing House H1/60, Sector - 16, Rohini, New Delhi - 110089 978-93-58994-15-5
33. Chaudhary, S.K., Choubey, M., Singh, A.K., and Mahesh, M.S. 2024. Murgiyon ka krimirodhanevamteekakaran. In: U.K. Tripathi, A. Kumari and M. Kumar (eds); Book entitled Backyard Kukkut Palan: Grameen Kshetron ki SandharaneeyAajeevika; Satish Serial Publishing House, New Delhi, India. pp: 121-126.
34. Chaurasia ,S and Kumar, A(2024). Role of 3D Printing Technology in Veterinary Education IIP Series Vol 3, Book 14 Part 4, Chapter 4 e-ISBN: 978-93-5747-730-7
35. Choubey, M., Singh, A.K., Chaudhary, S.K. and Mahesh, M.S. 2024. Murgiyon ka poshanprabhandhan. In: U.K. Tripathi, A. Kumari and M. Kumar (eds); Book entitled Backyard Kukkut Palan: Grameen Kshetron ki SandharaneeyAajeevika; Satish Serial Publishing House, New Delhi, India. pp: 93-100.
36. Chowdhury, A., & Ghosh, M. (2024). Nanomedicinal Approaches for Metabolic Disorders of Livestock Animals. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_23
37. Chowdhury, A., Maurya, K., Akshita, & Ghosh, M. (2024). Nanotechnology in Diagnostic Imaging. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_11
38. Climate change in animal nutrition By Manish Kumar, Anuradha Kumari, Utkarsh Kumar Tripathi and Ashuman Kumar. in MCQ: Comprehensive animal nutrition book edited by Tanmoy Rana by Narendra Publishing house. 2024 ISBN:978-93-5651-635-9
39. Cryopreservation of Spermatozoa; S.K. Ravi, Medha Kumari and B. Balamurugan, Page No. 192-198. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
40. Current Trends and Recent Advances in Estrus Synchronization by Vipin Maurya & Balamurugan, in Sheep and Goat Reproduction (The Practice and Applications)" 2024, by Elite Publishing House H1/60, Sector - 16, Rohini, New Delhi - 110089 978-93-58994-15-5
41. Dystocia; B. Balamurugan and S.K. Ravi, Page No. 66-72. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
42. Estrous Cycle; B. Balamurugan and S.K. Ravi, Page No. 10-14. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
43. Feed and fodder By Anuradha Kumari, Utkarsh Kumar Tripathi, Manish Kumar and Anshuman Kumar in MCQ: Comprehensive animal nutrition book edited by Tanmoy Rana by Narendra Publishing house. 2024 ISBN:978-93-5651-635-9 ISBN:978-93-5651-282-5
44. Follicular Dynamics; R.M. Mishra, S.K. Ravi and B. Balamurugan, Page No. 25-31.In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
45. Fundamentals of Animal Nutrition, by Vipin Maurya in book MCQ: Comprehensive Animal Nutrition, Pages 1–18 Narendra Publishing House, Delhi, India. 2024. ISBN:978-93-5651-635-9
46. G. Rameshkumar, T. Sathyabama, Manju G Preedaa, Manish Kumar, Mukesh Kumar Bharti, Thulasiraman Parkunan. Physiology of Somatosensory System. 2024. MCQ, Comprehensive Animal Physiology. Elite Publishing House H-1/60, Sector - 16, Rohini, New Delhi – 110089. ISBN : 978-93-58994-30-8 (HB) 978-93-58995-35-0 (PB)
47. Ghosh M , Chowdhury A , Kumar AYN , Kumar R , Maurya VK, Mahesh M.S., Singh AK, Yadav PK. (2024). Exploring the Impact of Microwave Irradiation on Phytochemicals, Antioxidant Status, Anti-Nutritional Factors and Metabolite Profile of de-oiled rice bran. SOHBCON 2024, Nagpur Veterinary College, Nagpur in collaboration with the Societyof One Health Biochemists on 04th and 05th September, 2024.
48. Ghosh, M., & Chowdhury, A. (2024). Nanomedicinal Approaches to Treat Fungal Livestock Diseases. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_22
49. Ghosh, M., & Kumar, R. (2024). Regulatory Issues in Nanotechnology. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_31
50. Ghosh, M., Chowdhury, A., & Kumar, R. (2024). Nanotheranostics in Personalized Veterinary Medicine. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_28
51. Ghosh, M., Chowdhury, A., & Patki, H. S. (2024). Nanotechnology Based Strategies for the Improvement of Conventional Diagnostics and Therapeutics in Veterinary Medicine. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_27
52. Ghosh, M., Chowdhury, A., Kumar, R., Syed, S.M., Chakravarti, S., Prasad, M. (2024). Introduction and Scope of Nanotechnology in Veterinary Science. In: Prasad, M., Kumar, R., Ghosh, M., Syed, S.M., Chakravarti, S. (eds) Nanotechnology Theranostics in Livestock Diseases and Management. Livestock Diseases and Management. Springer, Singapore. https://doi.org/10.1007/978-981-16-1610-5_1
53. Global Warming: A Major Threat to Sheep and Goat Reproduction by Vipin Maurya & Balamurugan, in Sheep and Goat Reproduction (The Practice and Applications)" 2024, by Elite Publishing House H1/60, Sector - 16, Rohini, New Delhi - 110089 978-93-58994-15-5
54. Importance of Backyard Poultry Farming" in Hindi in the book entitling Backyard Kukut Palan: GramingShrethro Ki SandharniyaAjivika. Ajeet Singh and K K Saraf. Satish serial pblishing house 2024 Page no 31-36.
55. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
56. Johari, M., Chaturvedani, A. K., & Parmar, D. V. (224). Adoption and diffusion of livestock sector innovation. In V. Agrawal & R. Jayanthi (Eds.), *Recent Research Trends in Veterinary Sciences and Animal Husbandry* (Vol. 20, pp. 29–45). AkiNik Publications®, New Delhi. ISBN 978-93-6135-186-0.
57. Johnson, D. C., Karunamay, S., Bin Azeez, A., & Brahma, A. (224). Chapter 30: Organic duck rearing. In *Advances in Science and Technology for a Better World*. GeNiCBooks. ISBN 978-81-980575-4-9.
58. K. Rajamanickam B. Balamurugan and P.Visha. (2024). Assisted Reproductive Technology. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 217 to 228, ISBN: 978-93-58994-15-5.
59. K. Rajamanickam, B. Balamurugan and P. Visha. (2024). Aberrations of Estrous Cycle, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 19 to 20, ISBN: 978-93-58994-15-5.
60. K. Rajamanickam, B. Balamurugan and P. Visha. (2024). Endocrinology of Estrous Cycle, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 15 to 18, ISBN: 978-93-58994-15-5.
61. K. Rajamanickam, B. Balamurugan and P. Visha. (2024). Estrus Detection Aids, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 21 to 24, ISBN: 978-93-58994-15-5.
62. Kaur, J., Kaur, R., Mahesh, M.S. and Thakur, S.S. 2024. Rumen-protected amino acids for ruminants. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 143-166.
63. Kerketta, S., Singh, A. K., Kumar, C., Rajak, S. K., & Mandal, B. (2024). Integrating On-Farm Animal Welfare Assessments into Regulatory Frameworks: Challenges and Solutions for Improved Animal Care. In From Zoo to Farm-The Quest for Animal Welfare. IntechOpen.
64. Kour, D., Sharma, D., Sharma, V.K. and Mahesh, M.S. 2024. Additives and nutritional supplements for transition cows. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 337-365.
65. Kratika Patel and B. Balamurugan. (2024). Haemato-Biochemical Values and Drugs. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 245 to 262, ISBN: 978-93-58994-15-5.
66. Kumar, A.Y.N., Kurian, A., Yadav, P.K., Prasad, R., Ghosh, M. (2024). General Methods for Generation, Characterization, and Functionalization of Different Types of Nanomaterials. In: ibid. https://doi.org/10.1007/978-981-16-1610-5_2
67. Kumar, B.S.B., Tariq, H., Mohanta, R.K., Yaqoob. M.U., Nampoothiri, V.M., Mahesh, M.S., Kumar, D., Kumar, B. and Datt, C. 2024. Rumen buffers to harness nutrition, health and productivity of ruminants. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 495-518.
68. Kumar, D., Kumari, R. and Mahesh, M.S. 2024. Bakariyonkepramukhaharevamunkesrot. In: Kuldeep K. Verma and U.S. Narwariya (eds.) Book entitled Vaigyanikbakaripalan: Utpadanevamprabandhan; Walnut Publications, India. pp: 63-74.
69. Kumar, D., Mahesh, M.S., Kumar, D. and Upadhyay, N. 2024. Feed Supplements and Feed Additives. In: Dinesh Kumar, Rashmi Kumari, M.S. Mahesh and Pavan K. Yadav (eds.) Book

entitled Handbook of Livestock and Poultry Production and Management; Narendra Publishing House, Delhi, India. pp: 209-216.

70. Kumar, M., Kumari, A., Tripathi, U. K., & Kumar, A. (2025). Climate change in Animal Nutrition. In MCQ: Comprehensive Animal Nutrition (pp. 19-33). Narendra Publishing House. ISBN: 978-93-5651-635-9 (PB), ISBN: 978-93-5651-282-5 (HB)
71. Kumar, R., Banerjee, S., Akshita, Maurya, K., Kumari, K., Prasad, M., & Ghosh, M. (2024). Nanotherapeutics for Bacterial Livestock Diseases. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_19
72. Kumar, R., Chowdhury, A., Mamatha, D., Rose, M.K., Ghosh, M. (2024). Nanotechnology in Protozoan Livestock Disease Diagnosis. In: ibid. https://doi.org/10.1007/978-981-16-1610-5_6
73. Kumar, R., Chowdhury, A., Rose, M. K., Sindhu, S., Syed, S. M., & Ghosh, M. (2024). Nanotechnology in Prophylaxis of Viral Livestock Diseases. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_14
74. Kumar, R., Lakhani, P., Kumar, A. Y. N., & Ghosh, M. (2024). Nanotoxicity and Mechanisms. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_29
75. Kumar, R., Malik, H. N., Mohapatra, S. K., Kumari, K., Chowdhury, A., & Ghosh, M. (2024). Nanointerventions in the Treatment of Protozoan Livestock Diseases. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_21
76. Kumari, A., Tripathi, U. K., Kumar, M., & Kumar, A. (2025). Feed and fodder. In MCQ: Comprehensive Animal Nutrition (pp. 253-264). Narendra Publishing House. ISBN: 978-93-5651-635-9 (PB), ISBN: 978-93-5651-282-5 (HB)
77. Kumari, A., Tripathi, U. K., Kumar, M., & Kumar, A. (2025). Impact of sanitation on milk production. In *Handbook of Milk Production, Quality and Nutrition* (pp. 393-408). Academic Press. ISBN: 978-0-443-24820-7
78. Lakhani, N., Chowdhury, A., Akshita, Maurya, K., Kumari, K., Rose, M. K., Sindhu, S., & Ghosh, M. (2024). Nanotoxicity Evaluation Methods. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_30
79. Livestock Waste Management" published in the edited book entitled "Recent Approaches and Innovations in Livestock Production". by Vipin Maurya, Utkarsh Kumar Tripathi, Anuradha Kumari, and Manish Kumar. ISBN: 978-81-872685-6-4
80. Mahapatra, Archana, Satish Kumar Pathak, Prasanta Kumar Koustasa Mishra, and Thulasiraman Parkunan. "Physiology of Ear and Hearing." In Common Ear Diseases in Dogs: Diagnosis and Management, pp. 31-39. Bentham Science Publishers, 2025.
81. Mahesh, M.S. and Rashmi, K.M. 2024. Balanced nutrition for optimum reproductive performance. In: B. Balamurugan and S.K. Ravi (eds.); Book entitled Sheep and Goat Reproduction: The Practice and Applications; Elite Publishing House, Delhi, India. pp: 59-65.
82. Mahesh, M.S., Kullu, S.S. and Kumar, D. 2024. In: Dinesh Kumar, Rashmi Kumari, M.S. Mahesh and Pavan K. Yadav (eds.) Book entitled Handbook of Livestock and Poultry Production and Management; Narendra Publishing House, Delhi, India. pp: 217-230.
83. Mahesh, M.S., Kumari, R. and Kumar, D. 2024. Bakariyon me poshanprabandhan. In: Kuldeep K. Verma and U.S. Narwariya (eds.) Book entitled Vaigyanikbakaripalan: Utpadanevamprabandhan; Walnut Publications, India. pp: 75-79.
84. Mahesh, M.S., Tariq, H. and Patra, A.K. 2024. Fibrolytic enzymes in animal and fish nutrition. In: M. Alagawany, S.M. Sallam and M.E. Abd El-Hack (eds.); Book entitled Organic Feed Additives for Livestock; Academic Press (Elsevier), pp: 175-193.
85. Mahipal Choubey, Sandeep K. Chaudhary and Abhishek K. Singh (2024) Importance of dietary antioxidants in animal nutrition, In: Biotechnological techniques in animal nutrition for enhancing livestock productivity; Intech publisher, Karnal, ISBN: 978-81-964762-5-0
86. Mamatha, D. et al. (2024). Nanotechnology in Bacterial Livestock Disease Diagnosis. In: ibid. https://doi.org/10.1007/978-981-16-1610-5_4
87. Manish Kumar, Anuradha Kumari, Mukesh Kumar Bharti and Thulasiraman Parkunan. Water. 2024. Book MCQ Comprehensive Animal Nutrition: ISBN no: 978-93-5651-635-9. Narendra Publishing House, New Delhi, Page No- 159-170.
88. Manish Kumar, Anuradha Kumari, Utkarsh Tripathi and Anshuman Kumar (2025) Climate Change in Animal Nutrition. MCQ: Comprehensive Animal Nutrition; Narendra Publishing House, Publisher and Distributor, ISBN: 978-935651-635-9(PB). Page: 19.
89. Manju G Preedaa, Thulasiraman Parkunan, Mukesh Kumar Bharti, Archana Mahapatra, and Manish Kumar. Clinical Physiology of Lymphatic Disorders. 2024. Book: Fundamentals of Veterinary Pathophysiology. DOI: 10.1201/9781003426837-18, page no- 187-197.
90. Maternal Recognition of Pregnancy; B. Balamurugan and S.K. Ravi, Page No. 37-41.
91. Maurya, V., & Rana, J. (2024). Diseases of the respiratory system. In *Key questions in clinical farm animal medicine, Volume 1: Principles of disease examination, diagnosis and management* (pp. 149–204). CABI International. https://doi.org/10.1079/9781800624764.0009 (ISBN: 978-1-80062-476-4)
92. Maurya, V., & Tripathi, U. K. (2024). Bakri palan me abhilekhprabandhan. In Labhdayak Bakri Palan k Vigyaniksiddhant (pp. 67-72). Ocean Publication. ISBN: 978-93-91664-88-6
93. Maurya, V., Tripathi, U. K., & Kumari, A. (2024). Prevention and control program of health problems and diseases. In *Common health problems and diseases in sheep and goats* (pp. 38–63). Narendra Publishing House. ISBN 978-93-5651-839-1
94. Milk By Utkarsh Kumar Tripti, Sakshi, Anuradha Kumari, and Manish Kumar in MCQ: Comprehensive animal nutrition book edited by Tanmoy Rana by Narendra Publishing house. 2024 ISBN:978-93-5651-635-9
95. Nutrient requirement and feeding of poultry by Anuradha Kumari, Utkarsh Kumar Tripathi, Vipin Maurya and Manish Kumar in MCQ: Comprehensive animal nutrition book edited by Tanmoy Rana by Narendra Publishing house. 2024 ISBN:978-93-5651-635-9
96. Nutrient requirement and feeding of poultry by Anuradha Kumari, Utkarsh Kumar Tripathi, Vipin Maurya and Manish Kumar in MCQ: Comprehensive animal nutrition book edited by Tanmoy Rana by Narendra Publishing house. 2024 ISBN:978-93-5651-635-9
97. P.Dharani and B.Balamurugan. (2024). Anatomy of male Reproductive System, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 04 to 09, ISBN: 978-93-58994-15-5.
98. P.Sumitha, P.C.Prabu and B.Balamurugan. (2024). Infectious Causes of Infertility. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 152 to 160, ISBN: 978-93-58994-15-5.
99. Parkunan, T., Bharti, M.K., Govindasamy, T., Kumar, M., Ramasamy, D.K. and Mahesh, M.S. 2024. Herbal feed additives and supplements for a sustainable ruminant production. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 197-234.
100. Parturition Related Disorders; B. Balamurugan, Priyanka Narwade and S.K. Ravi, Page No. 108-115. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
101. Pesingi, P. K., Satyaprakash, K., &Parkunan, T. (2024). Introduction to Basic Laboratory Equipments used for Diagnosis of Diseases [Review of *Introduction to Basic Laboratory Equipments used for Diagnosis of Diseases*]. In J. Begum, B. B, J. Goyal, A. Brahma, & S. K. Ravi (Eds.), *Hands-on Training on Diagnostic Techniques for the Investigation of Diseases in Farm Animals* (pp. 1–4). Department of Veterinary Microbiology, Faculty of Veterinary and Animal Sciences, Banaras Hindu University.
102. Physico-chemical Properties and Nutritive Value of Milk by Vipin Maurya, MCQ: Milk And Meat Production, Products And Technology; Narendra Publishing House
103. Physiology of Digestive System of Ruminants, by Vipin Maurya in book MCQ Comprehensive Animal Physiology published by Elite Publishing HouseISBN : 978-93-58994-30-8 (HB) 978-93-58995-35-0 (PB)
104. Pregnancy Diagnosis; B. Balamurugan, S.K. Ravi and R.M. Mishra, Page No. 46-54. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
105. Pregnancy, Parturition and Puerperium; B. Balamurugan, Priyanka Narwade and S.K. Ravi, Page No. 55-58. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
106. Priyanka Narwade, B. Balamurugan and R.M. Mishra. (2024). Endometritis. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 149 to 151, ISBN: 978-93-58994-15-5.
107. Prolapse of Genitalia; B. Balamurugan, Priyanka Narwadeand S.K. Ravi, Page No. 116-120. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
108. Prusty, S., Mahesh, M.S., Sheel, R., Swain, P.S., Madhusoodan, A.P., Thakur, N., Chethan, G.E. 2024. Ionophoric additives to augment performance outcomes and economics in ruminants. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 479-493.
109. Pseudo pregnancy in Goat; B. Balamurugan, Priyanka Narwade and
110. R.M. Mishra, S.K. Ravi and B. Balamurugan. (2024). Follicular Dynamics, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page.no. 25 to 31, ISBN: 978-93-58994-15-5.
111. Rana, J., Keshri, O., Rahman, C. K. F., Kumar, V., Patel, S. K., & Das, B. C. (2024
112. Rashmi, K.M., Prabhu, T.M. and Mahesh, M.S. 2024. Potential of slow-release nitrogen in ruminant feeding. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 281-300.
113. Reproductive Indices by Vipin Maurya & Balamurugan, in Sheep and Goat Reproduction (The Practice and Applications)" 2024, by Elite Publishing House H1/60, Sector - 16, Rohini, New Delhi - 110089 978-93-58994-15-5
114. Reproductive Seasonality by Vipin Maurya & Balamurugan, in Sheep and Goat Reproduction (The Practice and Applications)" 2024, by Elite Publishing House H1/60, Sector - 16, Rohini, New Delhi - 110089 978-93-58994-15-5
115. Role of Ultrasonography in Reproduction; S.K. Ravi, Medha Kumari, B. Balamurugan and Susavi Kumari, Page No. 209-216. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.1.
116. Roy, D., &Chaturvedani, A. K. (224). Women empowerment: Need, steps, and impact. In S. D. Dubey, A. Pandey, Y. Kumar, S. K. Dubey, & A. K. Srivastava (Eds.), *Advancing Agriculture Together: Women, Nutrition, and Community Empowerment* (pp. 228–236). Books Tycoon. ISBN 978-81-969642-4-5.
117. S K Ravi, Medha Kumari and B. Balamurugan. (2024). Cryopreservation of Spermatozoa. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 192 to 198, ISBN: 978-93-58994-15-5.
118. S.K. Ravi, Medha Kumari, B. Balamurugan and Susavi Kumari. (2024). Role of Ultrasonography in Reproduction. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 209 to 216, ISBN: 978-93-58994-15-5.
119. S.K. Ravi, Page No. 167-169. In: Sheep and Goat Reproduction (The Practice and Applications). First Edition: Year 2024; Elite Publishing House, H1/60, Sector-16, Rohini, New Delhi-110089.
120. Sahu, M., Saini, K. P. S., Goyal, J., & Roy, D. (224). IoT applications in livestock sector. In *Integrated Applications in Animal Sciences* (pp. 85–12). Integrated Publications, New Delhi. ISBN 978-93-5834-537-7.
121. Shukla, P., Moorthy, R.R. and Mahesh, M.S. 2024. Mycotoxin binders for a safe ruminant-derived food production. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 249-264.
122. Singh, A.K., Kerketta, S., Kumar, P., Mahesh, M.S., Rajak, S.K. and Kumar, R. 2024. Recent developments in B-vitamin nutrition of dairy cattle. In: M.S. Mahesh and V.K. Yata (eds.); Book entitled Feed Additives and Supplements for Ruminants; Springer Singapore, pp: 399-421.
123. Singh, V.K., Mahesh, M.S. and Kumar, D. 2024. Incubation, hatching and brooding management of growers and layers. In: Dinesh Kumar, Rashmi Kumari, M.S. Mahesh and Pavan K. Yadav (eds.) Book entitled Handbook of Livestock and Poultry Production and Management; Narendra Publishing House, Delhi, India. pp: 153-166.
124. Sriti Pandey, Anil Kumar Singh, Mukesh Kumar Bharti, Aditya Agarwal and Nishtha Kushwaha. Diagnostic Physiological and Haemato-biochemical parameters of Laboratory Animals. 2024. Book Guide on Laboratory Animal Experimentation.

Elite Publishing House, H1/60, Sector-16, Rohini, New delhi-110089.ISBN: 978-93-58995-86-2.

125. Suvetha, S., et al. (2024). Nanotechnology in Cancer Diagnostics. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_9
126. Suvetha, S., Kumar, A. Y. N., Ghosh, M., Prasad, R., & Yadav, P. K. (2024). Cancer Nanotherapeutics. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_24
127. Thulasiraman Parkunan, Mukesh Kumar Bharti, Thirumalaisamy Govindasamy, Manish Kumar, Dhinesh Kumar Ramasamy, and M. S. Mahesh. Herbal Feed Additives and Supplements for a Sustainable Ruminant Production. 2024. Book. Feed Additives and Supplements for Ruminants. Springer. ISBN 978-981-97-0793-5 ISBN 978-981-97-0794-2 (eBook) https://doi.org/10.1007/978-981-97-0794-2
128. Tripathi, U. K., Kumari, A., Maurya, V., & Kumar, M. (2024). Murgipalan: Bharatiyakisanon ki aatmnirbhartahetu ek kadam. In Murgiyon ka poshanevamaaharprabandhan: Kisanonevamchhatronhetuupyogipustak (1st ed.). WeXpress You. ISBN: 978-81-958095-5-4
129. Tripathi, U. K., Maurya, V., & Kumari, A. (2024). Bakri palan ka arthikvishleshan. In Labhdayak Bakri Palan k Vigyaniksiddhant (pp. 73-80). Ocean Publication. ISBN: 978-93-91664-88-6
130. V.Beena, M.Karikalan and B. Balamurugan (2024). Pathological Affections of Female Reproductive System. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 123 to 138, ISBN: 978-93-58994-15-5.
131. Varshney, R., Desai, D. N., Sulabh, S., Varshney, R., & Ghosh, M. (2024). Nanotechnology in Vaccine Development to Combat Bacterial Livestock Diseases. In: *ibid*.https://doi.org/10.1007/978-981-16-1610-5_13
132. Verma, K.K., and Narwaria, U.S. (2024). Bharat me bakaripalan: visheshtayen, mahatvaevamchunautiyan. In Vaigyanic Bakari Palan: Utpadan Evam Prabandhan, Wallnut Publication, Bhubaneshwar, India (ISBN 978-935911544-3), pp: 01-10.
133. Verma, K.K., Narwaria, U.S., Singh, V. and Patel B.H.M. (2024). Pratikoolvatavaranke daruan bakariyonkeedekhbhal. In Vaigyanic Bakari Palan: Utpadan Evam Prabandhan, Wallnut Publication, Bhubaneshwar, India (ISBN 978-935911544-3), pp: 137-145.
134. Verma, K.K., Narwaria, U.S., Singh, V. and Prajapati S. (2024). Bakariyon me swasthyaprabandhan. In Vaigyanic Bakari Palan: Utpadan Evam Prabandhan, Wallnut Publication, Bhubaneshwar, India (ISBN 978-935911544-3), pp: 108-115.
135. Vinod Kumar and B. Balamurugan. (2024). Cesarean Section (CS). Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 188 to 191, ISBN: 978-93-58994-15-5.
136. Vipin Maurya and B. Balamurugan. (2024). Care and Management of Growing Lambs and Kids. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 73 to 82, ISBN: 978-93-58994-15-5.
137. Vipin Maurya and B. Balamurugan. (2024). Care and Management of Prepartum, Peripartum and Post-partum. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 83 to 90, ISBN: 978-93-58994-15-5.
138. Vipin Maurya and B. Balamurugan. (2024). Current Trends and Recent Advances in Estrus Synchronization, Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 32 to 36, ISBN: 978-93-58994-15-5.
139. Vipin Maurya and B. Balamurugan. (2024). Global Warming: A Major Threat to Sheep and Goat Reproduction. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 139 to 148, ISBN: 978-93-58994-15-5.
140. Vipin Maurya and B. Balamurugan. (2024). Reproductive Indices. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 91 to 97, ISBN: 978-93-58994-15-5.
141. Vipin Maurya and B. Balamurugan. (2024). Reproductive Seasonality. Sheep and Goat Reproduction (The Practice and Applications), Elite Publishing House, New Delhi, India, 1st edition, Page. no. 98 to 107, ISBN: 978-93-58994-15-5.
142. Vipin Maurya, Utkarsh Kumar Tripathi, Manish Kumar and Anuradha Kumari. (2025) Livestock Waste Management. ISBN 978-81-972685-6-4. Page No. 1-20.
143. Water By Manish Kumar, Anuradha Kumari, Mukesh Kuamr Bharti and Thulasiraman Parkunan. in MCQ: Comprehensive animal nutrition book edited by Tanmoy Rana by Narendra Publishing house. 2024 ISBN:978-93-5651-635-9
144. Yadav, P. K. Y., Yadav, Ghosh, M., Kumar, M (2025). Antioxidant and anti-proliferative effects of Syzygiumcumini (jamun) seed methanolic extract on human breast cancer cells, I Annual Conference of the Society of One Health Biochemists and National Symposium on 'Biochemistry in One Health'"to be organized by Department of Veterinary Biochemistry, Nagpur Veterinary College, Nagpur in collaboration with the Society of One Health Biochemists scheduled on 04th and 05th September, 2024.
145. Yadav, P. K. Y., Yadav, Ghosh, M., Kumar, M (2025). Antioxidant and anti-proliferative effects of Syzygiumcumini(jamun) seed methanolic extract on human breast cancer cells, I Annual Conference of the Society of One Health Biochemists and National Symposium on 'Biochemistry in One Health'"to be organized by Department of Veterinary Biochemistry,Nagpur Veterinary College, Nagpur in collaboration with the Society of One Health Biochemists scheduled on 04th and 05th September, 2024.
146. Yadav, P.K., Kumar, D. and Mahesh, M.S. 2024. Digestion in livestock and poultry. In: Dinesh Kumar, Rashmi Kumari, M.S. Mahesh and Pavan K. Yadav (eds.) Book entitled Handbook of Livestock and Poultry Production and Management; Narendra Publishing House, Delhi, India. pp: 187-201.
147. डा०उत्कर्षकुमारत्रिपाठी, डा०अनुराधाकुमारी, डा०विपिनमौर्यएवंमनीषकुमार. (2024). मुर्गीपालन: भारतीयकिसानोंकीआत्मनिर्भरताहेतुएककदम! अध्याय 2, पृष्ठ 14–21, *मुर्गियोंकापोषणएवंआहारप्रबंधन, किसानोंएवंछात्रोंहेतुउपयोगीपुस्तक.* प्रकाशक: We-Xpress You, D-708 एस. सी. सी, सफायर, राजनगरएक्सटेंशन, गाजियाबाद। ISBN: 978-81-958095-5-4. उत्तरप्रदेश.
148. मुर्गीपालनःभारतीयकिसानोंकीआत्मनिर्भरताहेतुएककदम, डॉ. उत्कर्षकुमारनिपाठी, डॉ. अनुराधाकुमारी, डॉ. विपिनमौर्य, डॉ. मनीषकुमारमुर्गियोंकापोषणएवंआहारप्रबंधनकिसानोंएवंछात्रोंहेतुउपयोगीपुस्तकडी-708, एस.सी.सी. सफायर, राजनगरएक्सटेंशन, गाज़ियाबाद - 201017 (उत्तरप्रदेश)संस्करण: 1 (2024) ISBN: 978-81-958095-5-4
149. महिपालचौबे, संदीपकुमारचौधरीअभिषेककुमारसिंह, औरमहेशएमएस (2024) मुर्गियोंकापोषणप्रबंधन, IN ;बैकयार्डकुक्कुटपालनःग्रामीणक्षेत्रोंकीसंधारणीयआजीविका, Satish Serial Publishing House, New Delhi, ISBN: 978-93-95700-44-3
150. संदीपकुमारचौधरी, महिपालचौबे, अभिषेककुमारसिंह, औरमहेशएमएस (2024) मुर्गियोंकाकृमिरोधनएवंटीकाकरण; In बैकयार्डकुक्कुटपालनःग्रामीणक्षेत्रोंकीसंधारणीयआजीविका, Satish Serial Publishing House, New Delhi, ISBN: 978-93-95700-44-3
151. Bharath Chandra, K., Baranwal, N., Vineeth, M. R., Singh, A. K., Choubey, M., Marandi, S., Kumar, M., & Mahesh, M. S. (2025). Transportation of small ruminants on road: Some practical tips. *Indian Farmer, 12*(4), 215–219.
152. Dipanwita Bhattacharya, Annada Das, Souti Prasad Sarkhel and Kaushik Satyaprakash (2024). Milk-borne parasitic zoonoses. In: The Microbiology, Pathogenesis and Zoonosis of Milk Borne Diseases (ed. Tanmoy Rana). ISBN: 978-0-443-13805-8, Academic press, Elsevier. Pp 295-304.
153. Jessy Bagh, Annada Das, Kaushik Satyaprakash, and Tanmoy Rana (2024). Pig exhibition rules, and its monitoring. In: Good practices and principles in pig farming (eds. Tanmoy Rana and Benito Soto-Blanco). ISBN 978-981-97-4664-4, Springer Nature Singapore. Pp 85-104.
154. Kaushik Satyaprakash, Annada Das, Dipanwita Bhattacharya and Souti Prasad Sarkhel (2025) Environmental Contamination and Food Chain Bioaccumulation. In: Epidemiology and Environmental Hygiene in Veterinary Public Health (ed. Tanmoy Rana). ISBN: 978-1-394-20818-0, John Wiley & Sons Inc. pp 461-476.
155. Pavan Kumar, P., Satyaprakash, K., & Parkunan, T. (2024). Introduction to basic laboratory equipment used for diagnosis of diseases. In *Hands-on training on diagnostic techniques for the investigation of diseases in farm animals* (Chapter). Banaras Hindu University. ISBN 32360.
156. Satyaprakash, K., & Kumar, P. P. (2024). Diagnosis of important zoonotic diseases in farm animals. In *Hands-on training on diagnostic techniques for the investigation of diseases in farm animals* (ISBN 32360). Banaras Hindu University.
157. Pesingi, P. K., Satyaprakash, K., Thulasiraman, P., & Suvaneeth, P. (2024). Molecular diagnostic techniques for disease diagnosis. In *Hands-on training on diagnostic techniques for the investigation of diseases in farm animals*. Banaras Hindu University. ISBN 32360.
158. ErsavadlaRajaraviteja and Vinod Kumar, Title- Radiography and Ultrasound for bones and soft tissues, Elite Publishing House, Reproduction (The Practice and Application), 2025, First Edition, ISBN-978- 93-58999-45-7(HB), 978-93-58992-56-4(PB), Page No. 72-95
159. Kumar, P.R., Jena, D. and Shukla, S.N. (2024). Animal Cloning: Transformative potential and Challenges. C.V.Sc. & A.H., Ranchi, p 7-13. ISBN: 978-81-957769-9-3.
160. Jitendra Singh Gandhar, Amit Raj Gupta, Anjali Chaudhary (2024). मुर्गियोंमेंरोगोंकीरोकथामएवंटीकाकरण. Book Title मुर्गियोंकापोषणएवंआहारप्रबंधन. pp.74
161. Ankur Upadhyay and Amit Raj Gupta (2024). Lumpy skin disease (LSD). Foodborne zoonotic diseases: a comprehensive. Edition: 1st, Publication Year: 2024: Scripown Publications, Pg No: 138-149.

Insitute of Medical Sciences

Faculty of Medicine

1. Dr. Sangeeta Kansal, Community engagement for healthcare delivery without incentive: sustainable or not for Universal Health Coverage, *Indian Journal of Community Health,* 2024
2. Dr. Sangeeta Kansal, Psychological and Behavioral Implications of the pandemics: Strengthening the mental health component in the existing health system, *Indian Journal of Preventive & Social Medicine,* 2024
3. Dr. Sangeeta Kansal, Indian fathers' perceptions of young child care and feeding – A qualitative study, *Appetite*, 2024
4. Dr. Sangeeta Kansal, Evaluating The Effects Of Educational Counselling On Birth Outcomes Among Primigravida Women: A Prospective Study, *Indian Obstetrics and Gynaecology*, 2024
5. Dr. Sangeeta Kansal, Challenges of Frontline health workers on reduction of anaemia among adolescents: A Qualitative enquiry, *Indian Journal of Community Health*, 2024
6. Dr. Sangeeta Kansal, A study on delayed cord clamping and early skin-to-skin contact and its effects on neonatal outcome, *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*, 2024
7. Dr. Sangeeta Kansal, Influence of Health-Seeking Behavior on Treatment Initiation of Cancer Patients at a Tertiary Care Hospital in Varanasi, *Indian Journal of Community Medicine,* 2024
8. Dr. Sangeeta Kansal, Empowerment of Community for Universal Health Coverage: Home Health Guides, the sustainable solution for the human resource gap, *Indian Journal of Preventive & Social Medicine*, 2024
9. Dr. Sangeeta Kansal, Indian adolescents' perceptions of anaemia and its preventive measures: A qualitative study, Journal of Nutritional Science, 2025
10. Dr. Ravi Shankar, Epidemiological Profile of Chronic Wounds in an Indian Population: A Community-Based Cross-Sectional Observational Study, Cureus, 2024
11. Dr. Ravi Shankar, Burden of Chronic Nonhealing Wounds: An Overview of the Worldwide Humanistic and Economic Burden to the Healthcare System, The International Journal of Lower Extremity Wounds, 2024
12. Dr. Ravi Shankar, Prevalence of early initiation of Complementary feeding among Children under one year age in rural Varanasi: An Interventional Study, Shodha Dristhi, 2024
13. Dr. Ravi Shankar, Association of Intervention with hygiene practices during initiation of Complementary feeding among infants in rural Varanasi, Indian Journal of Preventive & Social Medicine, 2024
14. Dr. Arun Kumar Dubey, A Study on the Psychological Impact on Key Caregivers of Traumatic Brain Injury Versus Non-traumatic Brain Injury in Critically Ill Trauma Patients, Cureus, DOI: https://doi.org/10.7759/cureus.71113
15. Dr. Arun Kumar Dubey, Environmental Sustainability: Harnessing Artificial Intelligence for a Greener Future with Public Health Issue, International Journal of Science and Engineering Science Research, April 2025, DOI: https://doi.org/10.5281/zenodo.15873596
16. Dr. Zari Anjum, Possible immunological events and their pivotal role in disease progression during sepsis: A review, Acta Colombiana de Cuidado Intensivo, 2024
17. Dr. Zari Anjum, Digital twin technology in health professional education: A scoping review of opportunities and challenges, Global Journal of Medical Pharmaceutical and Biomedical Update, 2024
18. Dr. Vineet Kumar Pathak, Metabolic syndrome among marginalised school-going adolescents: a call for clarity, Lancet Regional Health – Southeast Asia, 2024, DOI: 10.1016/j.lansea.2024.100458
19. Dr. Vineet Kumar Pathak, Prevalence of Tobacco Consumption and Its Economic Burden among Adult Males

(≥18 Years) in an Urban Area of Raipur, Chhattisgarh, India, Journal of the Association of Physicians of India, 2024, DOI: 10.59556/japi.72.0728

20. Dr. Vineet Kumar Pathak, Preventing Liver Diseases: A Framework for Service Delivery across Levels of the Health System, Taylor & Francis, Link: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003433071-11/preventing-liver-diseases-vineet-pathak-chandrakant-lahariya
21. Dr. Vineet Kumar Pathak, Efforts towards elimination of viral hepatitis in India, Viral Hepatitis in Asia and the Pacific, Academic Press, 2025, DOI: 10.1016/B978-0-443-23629-7.00004-8
22. Dr. Abhishek Jaiswal, Neutrophil-Lymphocyte Ratio: Adjunct Prognostic Biomarker in Oral Squamous Cell Carcinoma (OSCC) – A Study in Delhi NCR, International Journal of Health Science Research, August 2024
23. Dr. Abhishek Jaiswal, Global, regional, and national burden of stroke and its risk factors, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021, The Lancet Neurology, October 2024
24. Dr. Abhishek Jaiswal, Validation of Point-of-Care Testing Device for Serum Ferritin Estimation in an Outpatient Facility in India, Indian Journal of Hematology and Blood Transfusion, January 2025, DOI: https://doi.org/10.1007/s12288-024-01943-3
25. Dr. Abhishek Jaiswal, Robotic versus open pancreatoduodenectomy for periampullary neoplasm: a propensity matched analysis of peri-operative and oncologic outcomes, Surgical Endoscopy, February 2025
26. Dr. Abhishek Jaiswal, E-WASTE MANAGEMENT AND ITS CHALLENGES IN INDIA: A SYSTEMATIC REVIEW, International Journal of Medicine and Public Health, February 2025
27. Dr. Abhishek Jaiswal, Open Electronic Data Capture Tools for Medical and Biomedical Research and Medical Allied Professionals, Editor of the Book and Author of 3 Chapters (Open Data Kit, Google Forms, Comparison of Open-Source Electronic Data Capture Tools), Elsevier, 2024, ISBN: 978-0-443-15665-6
28. Dr. Vibha Swaroop, Prevalence of chronic obstructive pulmonary disease among non-smokers in rural areas of Lucknow District, Uttar Pradesh, India, International Journal of Community Medicine and Public Health, 2024
29. Dr. Vibha Swaroop, Attitude and perceptions of technology-enabled mental health care for supporting occupational mental health and well-being among doctors in India, Indian Journal of Occupational and Environmental Medicine, 2025
30. Dr. Satyendra Kumar Singh, Awareness and Knowledge of Sexually Transmitted Infections and its Associated Factors among Clinically Suspected Cases Attending a Tertiary Care Hospital in Eastern Uttar Pradesh, J Biostat Epidemiol, DOI: 10.18502/jbe.v10i2.17642
31. Dr. Satyendra Kumar Singh, A case report of donovanosis in HIV-positive female, Indian Journal of Sexually Transmitted Diseases and AIDS, DOI: 10.4103/ijstd.ijstd_62_23
32. Dr. Satyendra Kumar Singh, Atypical Scleromyxedema with Dramatic Response to Low Dose Prednisolone and Thalidomide, MedS Alliance Journal of Medicine and Medical Sciences, DOI: 10.3126/mjmms.v4i7.71640
33. Dr. Tulika Rai, Efficacy and safety of glycolic acid 40% peel in the management of melasma: A prospective, interventional study, Pigment International, DOI: 10.4103/pigmentinternational_47_24
34. Dr. Tulika Rai, Dermatological Manifestations in Immunocompromised Pediatric Patients on Chemotherapy: A Cross-sectional, Observational Study, Clinical Dermatology Review, DOI: 10.4103/cdr.cdr_136_22
35. Dr. Sangeeta Kansal, *Community engagement for healthcare delivery without incentive: sustainable or not for Universal Health Coverage*, Indian Journal of Community Health, 2024
36. Dr. Sangeeta Kansal, *Psychological and Behavioral Implications of the pandemics: Strengthening the mental health component in the preparedness and response framework*, Indian Journal of Social Psychiatry, 2024
37. Dr. Ravi Shankar, *Epidemiological Profile of Chronic Wounds in an Indian Population: A Community-Based Cross-Sectional Observational Study*, Cureus, 2024
38. Dr. Ravi Shankar, *Burden of Chronic Nonhealing Wounds: An Overview of the Worldwide Humanistic and Economic Burden to the Healthcare System*, The International Journal of Lower Extremity Wounds, 2024
39. Dr. Ravi Shankar, *Prevalence of early initiation of Complementary feeding among Children under one year age in rural Varanasi: An Interventional Study*, Shodha Dristhi, 2024
40. Dr. Ravi Shankar, *Association of Intervention with hygiene practices during initiation of Complementary feeding among infants in rural Varanasi*, Indian Journal of Preventive & Social Medicine, 2024
41. Dr. Arun Kumar Dubey, *A Study on the Psychological Impact on Key Caregivers of Traumatic Brain Injury Versus Non-traumatic Brain Injury in Critically Ill Trauma Patients*, Cureus, 2024, DOI: 10.7759/cureus.71113
42. Dr. Arun Kumar Dubey, *Environmental Sustainability: Harnessing Artificial Intelligence for a Greener Future with Public Health Issue*, International Journal of Science and Engineering Science Research, April 2025, DOI: 10.5281/zenodo.15873596
43. Dr. Zari Anjum, *Possible immunological events and their pivotal role in disease progression during sepsis: A review*, Acta Colombiana de Cuidado Intensivo, 2024
44. Dr. Zari Anjum, *Digital twin technology in health professional education: A scoping review of opportunities and challenges*, Global Journal of Medical Pharmaceutical and Biomedical Update, 2024
45. Dr. Vineet Kumar Pathak, *Metabolic syndrome among marginalised school-going adolescents: a call for clarity*, Lancet Regional Health – Southeast Asia, 2024, DOI: 10.1016/j.lansea.2024.100458
46. Dr. Vineet Kumar Pathak, *Prevalence of Tobacco Consumption and Its Economic Burden among Adult Males (≥ 18 Years) in an Urban Area of Raipur, Chhattisgarh, India*, Journal of the Association of Physicians of India, 2024, DOI: 10.59556/japi.72.0728
47. Dr. Vineet Kumar Pathak, *Preventing Liver Diseases: A Framework for Service Delivery across Levels of the Health System*, Taylor & Francis, 2024, Link: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003433071-11/preventing-liver-diseases-vineet-pathak-chandrakant-lahariya
48. Dr. Vineet Kumar Pathak, *Efforts towards elimination of viral hepatitis in India, Viral Hepatitis in Asia and the Pacific*, Academic Press, 2025, DOI: 10.1016/B978-0-443-23629-7.00004-8
49. Dr. Abhishek Jaiswal, *Neutrophil-Lymphocyte Ratio: Adjunct Prognostic Biomarker in Oral Squamous Cell Carcinoma (OSCC) – A Study in Delhi NCR*, International Journal of Health Science Research, August 2024
50. Dr. Abhishek Jaiswal, *Global, regional, and national burden of stroke and its risk factors, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021*, the Lancet Neurology, October 2024
51. Dr. Abhishek Jaiswal, *Validation of Point-of-Care Testing Device for Serum Ferritin Estimation in an Outpatient Facility in India*, Indian Journal of Hematology and Blood Transfusion, January 2025, DOI: 10.1007/s12288-024-01943-3
52. Dr. Abhishek Jaiswal, *Robotic versus open pancreatoduodenectomy for periampullary neoplasm: a propensity matched analysis of peri-operative and oncologic outcomes*, Surgical Endoscopy, February 2025
53. Dr. Abhishek Jaiswal, *E-WASTE MANAGEMENT AND ITS CHALLENGES IN INDIA: A SYSTEMATIC REVIEW*, International Journal of Medicine and Public Health, February 2025
54. Dr. Abhishek Jaiswal, *Open Electronic Data Capture Tools for Medical and Biomedical Research and Medical Allied Professionals*, Elsevier, 2024, ISBN: 978-0-443-15665-6
55. Dr. Vibha Swaroop, *Prevalence of chronic obstructive pulmonary disease among non-smokers in rural areas of Lucknow District, Uttar Pradesh, India*, International Journal of Community Medicine and Public Health, 2024
56. Dr. Vibha Swaroop, *Attitude and perceptions of technology-enabled mental health care for supporting occupational mental health and well-being among doctors in India*, Indian Journal of Occupational and Environmental Medicine, 2025
57. Dr. Satyendra Kumar Singh, *Awareness and Knowledge of Sexually Transmitted Infections and its Associated Factors among Clinically Suspected Cases Attending a Tertiary Care Hospital in Eastern Uttar Pradesh*, J Biostat Epidemiol, DOI: 10.18502/jbe.v10i2.17642
58. Dr. Satyendra Kumar Singh, *A case report of donovanosis in HIV-positive female*, Indian Journal of Sexually Transmitted Diseases and AIDS, DOI: 10.4103/ijstd.ijstd_62_23
59. Dr. Satyendra Kumar Singh, *Atypical Scleromyxedema with Dramatic Response to Low Dose Prednisolone and Thalidomide*, MedS Alliance Journal of Medicine and Medical Sciences, DOI: 10.3126/mjmms.v4i7.71640
60. Dr. Tulika Rai, *Efficacy and safety of glycolic acid 40% peel in the management of melasma: A prospective, interventional study*, Pigment International, DOI: 10.4103/pigmentinternational_47_24
61. Dr. Tulika Rai, *Dermatological Manifestations in Immunocompromised Pediatric Patients on Chemotherapy: A Cross-sectional, Observational Study*, Clinical Dermatology Review, DOI: 10.4103/cdr.cdr_136_22
62. Prajapati, Rajpal; Kapoor, Abhishek; Mukhopadhyay, Salini; Tandon, Arjun; Ghosh, Soumik; Shankar, Om. Decoding Survival in Elderly Acute Myocardial Infarction: The Prognostic Interplay of B-Type Natriuretic Peptide, Ejection Fraction, and Renal Function – An Observational Study. Journal of the Indian Academy of Geriatrics 21(2): p 88-93, Apr–Jun 2025.
63. Ghosh S, Prajapati R, Kishore C, Gauraw AK, Tandon A. Ironing Out the Link: Ferritin and Coronary Artery Disease- a Two-year Perspective on Disease Burden and Prognosis. Romanian Journal of Cardiology. Sciendo, 2025;35} (1): 52-58.
64. Tandon, Arjun; Mukhopadhyay, Salini; Ghosh, Soumik; Lavakumar, A.; Amit, Kumar; Agrawal, Vikas. Acute changes in left ventricle end-diastolic pressure in patients undergoing nonprimary percutaneous coronary intervention. Heart India 13(1): p 39-45, Jan–Apr 2025. | DOI: 10.4103/heartindia.heartindia_72_24.
65. Ghosh S, Prajapati R, Tandon A, et al. Survival and Clinical Outcomes After Single-vessel Percutaneous Coronary Intervention Using Drug-eluting Stent: An Observational and Follow-up Study in a Tertiary Care Center in the Gangetic Plains of North India. J Assoc Physicians India 2025;73(3):21-24.
66. Vikash Maurya, Arjun Tandon, Soumik Ghosh, Rajpal Prajapati, Vikas Agrawal. When the LAD Takes Over: An Unusual Cause of Multi- Territory Infarction by a Hyper-Dominant LAD. Cardiology and Cardiovascular Medicine. 9 (2025): 19-22.
67. Ghosh S, Patra T, Tandon A, Agrawal V. Navigating risks and rewards in percutaneous transcatheter mitral commissurotomy: A multicenter hemodynamic analysis of safety and efficacy in symptomatic mitral stenosis. Cardiology Lett. Vol.34, No.1 p.11-17 2025.
68. Kumar, K. Arun; Ghosh, Soumik; Awasthy, Neeraj; Shankar, Om. Percutaneous transcatheter occlusion of large pulmonary arteriovenous fistula with Amplatzer Septal Occluder in a young cyanotic girl. Heart India 12(3): p 161-165, Sep–Dec 2024.
69. Soumik Ghosh, Amit Gaurav. Spontaneous Coronary Artery Dissection: A Case Series and Review of Clinically Oriented Management Protocol. Indian Heart Journal, Volume 76, Supplement 2, 2024, P-S146-S147
70. Vikas Agrawal, Soumik Ghosh. A Comparative Study of Dorsal Radial Artery Access vs Classical Radial Artery Access for Percutaneous Coronary Angiography. JACC 2024 Oct: Vol. 84; Issue No. 18_Supplement. pp B426-B426
71. Mala Dharmalingam, Surendra Kumar Sharma, Ved Prakash, AnimeshMaiti , Ritesh Kumar et al. (April 12, 2024) Evaluating the Efficacy, Safety, and Tolerability of Combination Therapy of Dapagliflozin and Linagliptin Over Dapagliflozin and Vildagliptin in Patients With Type 2 Diabetes Mellitus Inadequately Controlled With Metformin. Cureus 16(4): e58115. DOI 10.7759/cureus.58115
72. Alam A, Singh S, Kumar R, et al. (June 13, 2024) Impact of Thyroid Autoimmunity on the Clinical and Biochemical Characteristics of Type 1Diabetes Mellitus Patients. Cureus 16(6): e62307. DOI 10.7759/cureus.62307
73. Kumar, Subhash; Bishnoi, Avina; Manayankath, Reshma; Chandrashekhar, Supreeth; Kumar, Ritesh; Agrawal, Neeraj Kumar. Pediatric adrenocortical tumor manifesting as Cushing's syndrome and virilization. IJEM Case Reports 2(4):p 155-160, October-December 2024. | DOI: 10.4103/ijemcr.ijemcr_73_24
74. Pandey U, Kumar R,Kumari R. To know the incidence of hysterectomy among north Indian women of less than forty years of age as per the new guidance of MoHFW and honorable Supreme Court directive. ObstetGynecolInt J. 2024;15(6):315–319. DOI: 10.15406/ogij.2024.15.00777
75. Bishnoi A, Kumar S, Chandrashekhar S, Kumar R, Maurya R P, A rare case of Turner's syndrome with thyroid associated orbitopathy. Indian J ClinExpOphthalmol 2024;10(3):609-611
76. Ahmad Alam, Shinjan Patra, Neeraj Kumar Agrawal, Surya K Singh. Recurrent femoral neck fractures: keep an eye out for Cushing's syndromeBMJ case reports 17 (11), e261896, 2024
77. Kumar, Subhash; Bishnoi, Avina; Manayankath, Reshma; Chandrashekhar, Supreeth; Kumar, Ritesh; Agrawal, Neeraj

Kumar. Pediatric adrenocortical tumor manifesting as Cushing's syndrome and virilization. IJEM Case Reports 2(4):p 155-160, October-December 2024. | DOI: 10.4103/ijemcr.ijemcr_73_24

78. S Singh, S Gehlot, NK Agrawal, G Singh, D Singh, P Kaur, SK Singh, ...Molecular study of the KCNJ11 gene and its correlation with Prakriti to preventing and managing type 2 diabetesJournal of Traditional and Complementary Medicine 14 (5), 494-500, 2024
79. A Verma, A Krishna K, I Kumar, PK Singh, AG Kar, NK AgrawalIntegrated use of contrast-enhanced and grey-scale ultrasound in assigning American College of Radiology Thyroid Imaging–Reporting and Data System scores for characterisation ...Ultrasound 32 (3), 140-149, 2024
80. Verma SK, Palandurkar K, Agrawal NK, KR Giri, S Mishra. Prevalence and Clinical Characteristics of Mitochondrial tRNA A3243G Mutation in Inherited Type 2 Diabetes Mellitus. African Journal of Biological Sciences 6 (5), 11410-11419, 2024
81. D Kumar, NK Agrawal. Study of Correlation between Serum Vitamin B12 Level and Aberrant DNA Methylation in Infertile MalesIndian Journal of Endocrinology and Metabolism 28 (3), 308-314, 2024
82. A Alam, NK Agrawal, SK SinghCongenital adrenal hyperplasia complicated by gonadotropin-dependent precocious puberty .BMJ Case Reports CP 17 (3), e257579, 2024
83. U Kaur, NTS Reddy, J Reddy, DVV Krishna, A Dehade, NK Agrawal. Patterns and outcomes of late onset thyroid disturbances after COVID-19 vaccination: A report of 75 cases. Tropical Medicine & International Health 29 (1), 63-71, 2024
84. Dr. Manoj Kumar, Shrejal Jaiswal "Changes in the Criminal Laws pertaining to various sexual offences (BNS, BNSS, BSA)", Indian Journal of Law and Legal Research, Vol.-VI, Issue: III, July 07, 2024.
85. Dr. Manoj Pathak, Sapna Tiwari, "Study of Death due to Smothering followed by post-mortem Drowning to hide the Crime", Journal of Institute of Medical Sciences, Vol.-I, Issue-I, 2024; ISSN: 2581-9240
86. Dr. Manoj Pathak, Sapna Tiwari, "Enactment of Law Addressing Men's Problem: Need of The Hour", International Journal of Current Research, Vol. 17, Issue, 02, pp.31717-31720, February, 2025 DOI: https://doi.org/10.24941/ijcr.48509.02.2025 , ISSN: 0975-833X
87. Dr. Manoj Pathak, Sapna Tiwari, "Recent trends of Committing Suicide", International Journal of Eth Trauma victimology, Vol. 10, Issue, 02, pp.31717-31720, February, 2025, pp: 6-10; ISSN: 2394-6822
88. Dr. Manoj Pathak, Sapna Tiwari, "The Science behind Doppelgangers: How Strangers can look alike without being related". International Journal of all research education & Scientific. methods. Vol. 13, issue-04; April 2025. ISSN:24455-6211.
89. Roy, D. D., Verma, A., Bhutia, K., Rathore, K., &Verma, S. (2024). Unveiling maxillary sinus sexual dimorphism: A computed tomography analysis of North Indian population across age groups. Journal of the Punjab Academy of Forensic Medicine & Toxicology, 24(1), 19–25. https://doi.org/10.5958/0974-083X.2024.00004.4 Roy, D. D., Verma, A., Bhutia, K., Rathore, K., &Verma, S. (2024). Unveiling maxillary sinus sexual dimorphism: A computed tomography analysis of North Indian population across age groups. Journal of the Punjab Academy of Forensic Medicine & Toxicology, 24(1), 19–25. https://doi.org/10.5958/0974-083X.2024.00004.
90. Rathore, K., Roy, D. D., Verma, A., Bhutia, K. O., &Verma, S. (2024). Radiological study on sexual dimorphism from craniofacial indices in Eastern Uttar Pradesh population. Journal of the Punjab Academy of Forensic Medicine & Toxicology, 24(1), 113–119. https://doi.org/10.5958/0974-083X.2024.00019.4
91. KUMAR M, KUMAR S, GUPTA SK, KHANNA S, GUPTA SK, DIGUMARTI AR, INZAMAM-UL-H. Ileosigmoid knotting: a rare casue of acute intestinal obstruction in an elderly patient. Int Surg J 2023; 10(5): 950-952.
92. GUPTA SK, INZAMAM-UL-H, SRIVASTAVA A, MISHRA SP, GUPTA SK. Diaphragmatic injury post blunt trauma precipitating a year later as tension fecopheumothorax and left liver lobe herniation: Lession to learn. Int J of Case report in Surgery 2023:5(1): 21-23.
93. GUPTA SK, SINGH PK, SHARMA S. GUPTA SK. Prospective validation of bowel injury prediction score for early diagnosis of surgically significant blunt bowel and mesentery injury. Trauma 2023; doi:10.1177/1460486231187523: 1-10
94. Ahmad I, Khanna R, Prakash P, Khanna S, Meena RN. Sacral Pressure Ulcer Management by Negative Pressure Dressing: a Randomized Open Label Study. Indian Journal of Surgery. 2023;85(1):65-70
95. Sharma A, Khanna R, Meena RN, Mishra SP, Panigrahi P, Khanna S. Contrasting presentation of Spigelian Hernia in a single surgical unit of a tertiary healthcare center: A case series. Cureus.2023;15(7):e42238.
96. Sharma A, Khanna R, Panigrahi P, Meena RN, Mishra SP, Khanna S. An incidental finding of Morgagni hernia in an elderly female and its successful management: A rare case report and review of literature. Cureus.2023;15(7): e42676
97. Gupta SK, Meena P, Srivastava A, Anand R, Khanna R, Meena RN, Mishra SP. Jejunal duplication presenting with perforation peritonitis: Complcation of a rare congenital malformation in an elderly female. International journal of case reports in surgery. 2023;5 (1): 28-30
98. Kumar M, Khanna R, Meena RN, Mishra SP, Panigrahi P, Anand A, Kumar B. Non-steroidal anti-inflammatory drug induced perforation of Meckel's diverticulum. International Surgery Journal.2023;10(6):1140-1142.
99. Kumar M, Khanna R, Meena RN, Mishra SP, Panigrahi P, Anand A, Kumar B. Ileo-ileal knotting masquerading as internal hernia: a rare cause of acute intestinal obstruction. International Surgery Journal.2023;10(6):1182-1184.
100. Srivastava V, Akshay BR, Kumari S, Meena RN, Khanna R. Primary extra gastro intestinal stromal tumor of omentum: A case report and review of literature. Innovative Journal of Medical and Health Sciences. 2020;10(03):832-838.
101. Chigurupati VS, Khanna S, Kumar S, Khanna R. Efficacy of platelet rich plasma in alleviating split skin graft morbidities. Journal of cutaneous and aesthetic surgery. 2023;10.4103/JCAS.JCAS_14_21.
102. Gupta R, Khanna R, Kar AG, Khanna S, Khanna S, Meena RN. Correlating receptor status with Nottingham Prognostic Index in Breast Cancer. Indian Journal of Surgery. 2023; 10.1007/ s12262-023-03865-2.
103. Kumari S, Khanna R, Agrawal NK, Khanna R, Meena RN. Measurement of Intact Serum parathormone and Corrected Serum Calcium after thyroid surgery. Annals of National Academy of Medical Sciences. 2023;59:196-201.
104. Sharma A, Khanna R, Meena RN, Mishra SP, Khanna S. A case series on AcuteMesenteric Ischemia (AMI) leading to intestinal gangrene following blunt trauma to the abdomen. Cureus. 2023;15(11):e49092.
105. Sharma, A; Meena, Ram N; Khanna Rahul. Cholecystoduodenal fistula: An incidental finding of gall stone disease in a young male. Amrita Journal of Medicine 19(4):p 194-196, October-December 2023. | DOI: 10.4103/AMJM. AMJM_50_23.
106. Sharma A, Meena RN, Khanna R, Khanna S (2023) Liver Metastasis: Current Concepts in Management and Future Perspectives. Int J Oncol Res 6:053. doi.org/10.23937/2643-4563/1710053.
107. Sharma, A; Khanna, R; Meena, RN; Mishra, SP; Khanna, S. An obstructed inguinal hernia with maldescended testis as content in an adult male: A case report. Amrita Journal of Medicine 20(1):p 38-41, January-March 2024. | DOI: 10.4103/AMJM.AMJM_70_23
108. Meena RN, Jain R, Khanna R Stivastava VK. case report of pleomorphic adenoma of ear lobule. Indian J Otol. 2024; 30:139-141.
109. Kaushik K, Pratap A, Naik B, Subramanyam ADS, Ansari MA. Intact incision of a mesenteric pseudocyst. Cureus. 15(7): e42222, 2023.
110. Kaushik K, Srivastava V, Subramanyam ADS, Kishore R, Pratap A, Ansari MA. A comparative study on outcomes and quality of life changes following ventral transabdominal preperitoneal (Ventral-TAPP) and Laparoscopic intraperitoneal onlay mesh (IPOM) plus repair for ventral hernia. Cureus. 15(7): e42222, 2023.
111. Sharma A, Ansari MA, Pratap A Srivastava V, An interesting case of isolated cysticercosis of breast masquerading as a breast lump in a young female. Cureus. 15(10): e46550, 2023.
112. Banerjee T, Rai S, Singh A, Giri A, Ansari MA, Pratap A, Basu S and Shukla VK. Poor glycemic control is associated with lower interleukin-2 (IL-2) levels and low macrophase viability in chronic diabetic foot ulcers (DFUs). The International Journal of Lower Extremity Wounds, 106, 2023.
113. Singh D, Biswas D, Tewari M, Ghosh KA, Ansari MA, Singh S, Narayan G. Clinical Significance of Over expression of Oct4 in Advanced Stage Gallbladder Carcinoma. Journal of Gastrointestinal Cancer. https://doi.org/10.1007/s12029-023-00913-8, 2023.
114. KUMAR M, KUMAR S, GUPTA SK, KHANNA S, GUPTA SK, DIGUMARTI AR, INZAMAM-UL-H. Ileosigmoid knotting: a rare casue of acute intestinal obstruction in an elderly patient. Int Surg J 2023; 10(5): 950-952.
115. Chigurupati VS, Khanna S, Kumar S, Khanna R. Efficacy of platelet rich plasma in alleviating split skin graft morbidities. Journal of cutaneous and aesthetic surgery. 2023;10.4103/JCAS.JCAS_14_21
116. A comparative Evaluation of Topical Application V/S Perilesional Injection of Platelet Rich Plasma in Diabetic Foot Ulcer. The International J of Lower Extremety Wounds. Digumarthi Asha Rani, Seema Khanna.
117. Sanjeev Kumar,Anurag Mishra, Kamal NayanDwivedi, Neelusingh, Abhishek Kumar Satyanam Kumar Bhartiya, S.Krishnamoorthi,Amit Kumar, Bharat Goel, Shreyans K. Jain. Evidence-Based Therapeutic Potential of Natural Seed Oil of Desert Date/Ingudi (Balanitesaegyptiaca Linn. Delile) in Chronic Diabetic Wound. Proc.Natl.Acad.Sci., India Section B Biol. Sci. 29 April 2023; DOI:10.1007/s40011-023-01487-y.
118. Attri A, Sharma S, Yadav S, Bhartiya SK. The Study of Predictors of Outcome in Abdominopelvic Trauma. Am J Surg Case Rep.2023;4(6):1077.
119. SubhashLalKarn, MayankGangwar, Rajesh Kumar, Satyanam Kumar Bhartiya, GopalNath.Phage Therapy: A Revolutionary Shift in the Management of Bacterial Infections, Pioneering New Horizons in Clinical Practice, and Reimagining the Arsenal Against Microbial Pathogens . Front. Med., 19 October 2023;Sec. Infectious Diseases: Pathogenesis and TherapyVolume 10 - 2023 https://doi.org/10.3389/fmed.2023.1209782
120. Karn SL,Bhartiya SK, Pratap A,Saroj SK, Rajesh, SahuM, GangwarM,Nath G. Randomized Placebo-Controlled Single-Blind Clinical Trial of Bacteriophage Cocktails in Chronic Wound Infections. International Journal of Lower Extremity Wounds IJLEW-2023-10-221
121. Somprakas Basu, Arvind Pratap, Satyanam Kumar Bhartiya,Vijay Kumar Shukla.Wandering Spleen and Acute Gastric Volvulus inan Elderly Woman with Acute Abdomen. A Case Report. Clinical and Experimental Gastroenterology 2023:16 181–185.
122. Kumar A, Chowdhury P, Pratap A, Bhartiya SK, Saroj SK and Shukla VK.Rare Site of Malignant Transformation: A Case Report. American Journal of Surgery Case Reports.2023 | Volume 4 | Article 1087.
123. Kumar M, Kumar S, Gupta SK, Khanna S, Gupta SK, Rani DA et al. Ileosigmoid knotting: a rare cause of acute intestinal obstruction in an elderly patient. Int Surg J 2023;10:950-2
124. Sharma A, Shankar R, Yadav AK, Pratap A, Ansari MA, Srivastava V. Burden of Chronic Nonhealing Wounds: An Overview of the Worldwide Humanistic and Economic Burden to the Healthcare System. The International Journal of Lower Extremity Wounds. 2024;0(0). doi:10.1177/15347346241246339
125. Mandloi V, Banerjee T, Sharma A, Pratap A, Ansari MA, Srivastava V. Role of Bovine Colostrum Dressing on Chronic Non-Healing Wounds in Comparison to Conventional Dressing: A Case-Control Study. The International Journal of Lower Extremity Wounds. 2024;0(0). doi:10.1177/15347346241241578
126. Sharma A, Srivastava V, Pratap A, Ansari MA. Approach to the patient with Gynecomastia: Beyond the basics. Amrita Journal of Medicine 20(2):p 52-58, April-June 2024. | DOI: 10.4103/AMJM.AMJM_1_24
127. Sharma A, Ansari MA, Srivastava V. A dumbbell-shaped peripheral obturator nerve sheath tumor.Amrita Journal of Medicine 20(2):p 78-82, April-June 2024. | DOI: 10.4103/AMJM.AMJM_13_24
128. Sharma A, Singh SK, Srivastava V, Pratap A, Ansari MA. Segmental Abdominal Paresis Attributed to Herpes Zoster Infection Mimicking an Abdominal Hernia: An Interesting Case From a Surgical Unit of a Tertiary Healthcare Center. Cureus. 2024 Jan 5;16(1):e51728. doi: 10.7759/cureus.51728. PMID: 38318589; PMCID: PMC10839425.
129. Sharma A, Ansari MA, Pratap A, Srivastava V. An Interesting Case of Isolated Cysticercosis of Breast Masquerading as a Breast Lump in a Young Female. Cureus. 2023 Oct 5;15(10):e46550. doi: 10.7759/cureus.46550. PMID: 37936998; PMCID: PMC10626201.
130. Srivastava, V., Goswami, A. G., Basu, S., & Shukla, V. K. (2022). Locally Advanced Rectal Cancer: What We Learned in the Last Two Decades and the Future Perspectives. Journal of Gastrointestinal Cancer, 54(1), 188-203.

131. Satyendra K Tiwary, Puneet Kumar, Ajay K Khanna. Subclavian vein aneurysm : a rare case with review of literature. Acta Phlebologica 24(1) 35-8, March 2023
132. Tiwary SK, Choubey KK, Nath G, Kumar P, Khanna AK. Effect of four-layer dressing on the microbiological profile of venous leg ulcer. J Wound Care. 2023 Mar 1;32(Sup3):S22-S30.
133. Rohit Kumar Singh, Shilpi, Soumya Khanna. Satyendra Tiwary, Puneet, S K Singh, A K Khanna. Correlation of endogenous testosterone and DHEA-S in peripheral arterial diseases. Indian j Applied Research. Feb 2023 , 13(2)
134. Rohit Kumar Singh, Soumya Khanna, S K Tiwary, Puneet, Ajay K Khanna Management of Renal Cell Carcinoma with Level III IVC Thrombus : Radical Nephrectomy and IVC Thrombectomy. Am J Case Reports. 2023, Vol 4 (5) . 1072
135. Rohit Kumar Singh, Satyendra K Tiwary, Puneet, Ajay K Khanna .An assessment of the effectiveness of polyurethane Foam dressing vs Hydrocolloid dressing in prevention of pressure injuries. J Cardiovascular Disease Research 2023
136. Rohit Kumar Singh,Sweta Singh, Soumya Khanna, S K Tiwary, Puneet, Ajay K Khanna .Perforation peritonitis : Clinical insights from a three year experience. Br J Healthcare and Medical Research. 2023; 10(3); 71-78
137. Nyima Bole, Soumya Khanna, Rohit Kumar Singh, Satyendra Tiwary, Puneet, Ajay K Khanna, Giant Adrenal Myelolipoma : Review of Indian Literature and a Case Report. Indian J surgery Oct. 2023
138. Rohit Kumar Singh, Satyendra K Tiwary, Puneet, Ajay K Khanna .A diagnostic Dilemma: Tuberculosis of the Gall bladder. Associative J Health Sci. 2(4). AJHS. 000542, 2023
139. Ajay K Khanna, Rohit Kumar Singh, Sweta Singh, Soumya Khanna, Satyendra K Tiwary, Puneet, .The value of circulating Tumor DNA in biliary tract cance : Enhancing Cancer management and predicting patient outcome. Clinicals in Surgery 2023 ; 2(1) : 1008
140. S K Tiwary, Kumar PK, Dhameeja N, Kumar P, Khanna A K, Khanna S. Reply of letter to the editor. Assessment and grading of pigmentation in chronic venous insufficiency in Phlebology 2020. Phlebology 2023
141. S K Tiwary, K K Chaubey, G Nath, P Kumar, A K Khanna, Effect of four layer dressing on microbiological profile of venous leg ulcer . J Wound care 32(Sup3) S22-S30, 2023
142. SK Tiwary, Ravi Balunia, Shashi Prakash, Puneet, A K Khanna. Comparative analysis of tissue levels of MMP 2 and MMP 9 with blood level of VEGF in Chronic wounds. J wound Care 2024
143. Kaushik, K., Srivastava, V., Subramanyam, A. D. S., Kishore, R., Pratap, A., & Ansari, M. A. (2023). A Comparative Study on Outcomes and Quality of Life Changes Following Ventral Transabdominal Preperitoneal (Ventral-TAPP) and Laparoscopic Intraperitoneal Onlay Mesh (IPOM)-Plus Repair for Ventral Hernia. Cureus, 15(7).
144. Sharma, A., Ansari, M. A., Pratap, A., & Srivastava, V. (2023). An Interesting Case of Isolated Cysticercosis of Breast Masquerading as a Breast Lump in a Young Female. Cureus, 15(10).
145. Basu, S., Pratap, A., Bhartiya, S. K., & Shukla, V. K. (2023). Wandering spleen and acute gastric volvulus in an elderly woman with acute abdomen: a case report. Clinical and Experimental Gastroenterology, 181-185.
146. Basu, S., Pratap, A., Bhartiya, S. K., & Shukla, V. K. (2023). Wandering spleen and acute gastric volvulus in an elderly woman with acute abdomen: a case report. Clinical and Experimental Gastroenterology, 181-185.
147. Sharma, D., Pratap, A., Ghosh, A., & Shukla, V. K. (2009). Malignant transformation of a pilonidal sinus. Surgery, 145(2), 243-244.
148. Sharma, A., Singh, S. K., Srivastava, V., Pratap, A., & Ansari, M. A. (2024). Segmental Abdominal Paresis Attributed to Herpes Zoster Infection Mimicking an Abdominal Hernia: An Interesting Case From a Surgical Unit of a Tertiary Healthcare Center. Cureus, 16(1).
149. Karn, S. L., Bhartiya, S. K., Pratap, A., Saroj, S. K., Kumar, R., Sahu, M., ... & Nath, G. (2024). A randomized, placebo-controlled, double-blind clinical trial of bacteriophage cocktails in chronic wound infections. The International Journal of Lower Extremity Wounds, 15347346231226342.
150. Kumar M, Gupta SK, Khanna R, Meena RN, Mishra SP.Navigating the uncommon: a comprehensive case study of multiple gastroduodenal neuroendocrine tumor. Int J Res Med Sci 2024;12:2653-6.
151. Meena, Ram Niwas; Jain, Roshit; Khanna, Rahul; Srivastava, Vipul Kumar, Case Report of a Pleomorphic Adenoma of Ear Lobule, Indian Journal of Otology.2024; 30(2):139-141.
152. Sharma Aditya, Khanna Rahul, Meena Ram Niwas, Mishra Shashi Prakash, Khanna Seema. "An obstructed inguinal hernia with maldescended testis as content in an adult male: A case report." Amrita Journal of Medicine.2024; 20(1): 38-41.
153. Sharma, Aditya; Khanna, Ritika1; Mishra, Shashi Prakash; Meena, Ram Niwas; Khanna, Seema; Khanna, Rahul. Surgical Management of Penoscrotal Filariasis by Reconstructive Penoscrotoplasty: An Experience from a Tertiary Healthcare Centre. Amrita Journal of Medicine 20(4):p 172-178, October-December 2024. | DOI: 10.4103/AMJM.AMJM_28_24
154. Corresponding author in research paper titled: "Case report of a Pleomorphic adenoma of Ear Lobule" in Indian Journal of Otology in June 2024 with DOI of 10.4103/indianjotol. indianjotol_15_24.
155. Cite: "Meena RN, Jain R, Khanna R, Srivastava VK. Case report of a pleomorphic adenoma of ear lobule. Indian J Otol 2024;30:139-41."
156. Dr. Ritesh Kumar, Dr. Prakhar Jaiswal, Dr. Amit Kumar Yadav, Dr. Saurabh Trivedi. Comparison of Early Versus Delayed Cholecystectomy in Acute Cholecystitis: A Prospective Study in a Tertiary Care Hospital. Journal of Neonatal Surgery, ISSN (online): 2226-0439, Vol. 13, (2024).
157. Kumar I, Ansari MS, Verma A, Singh PK, Chakrabarti SS, Shukla RC. COVID-19 Vaccines: A Radiological Review of the Good, the Bad, and the Ugly. Indian J Radiol Imaging. 2024 Apr 21;34(4):714-725. doi: 10.1055/s-0044-1785210. PMID: 39318578; PMCID: PMC11419762.
158. Kumar A, Verma A, Kaur U, Chakrabarti SS. Identifying Paget's Disease in the Elderly-an oft-missed Diagnosis. Balkan Med J. 2025 Mar 3;42(2):166-167. doi:10.4274/balkanmedj.galenos.2024.2024-10-31. Epub 2024 Dec 9. PMID: 39648919; PMCID: PMC11881542.
159. Kaur U, Krishna DVV, Reddy J, Reddy NTS, Dehade A, Chakrabarti SS, Yadav DP. Late-Onset Inflammatory Bowel Disease and Flares In Adenoviral and Inactivated Coronavirus Vaccine Recipients. Am J Ther. 2024 Dec 12;32(4):e347-e351. doi: 10.1097/MJT.0000000000001856. PMID: 39670515.
160. Kanakan A, Krishna DVV, Jaiswal S, Chakrabarti SS, Kaur U. Delirium Associated With Diltiazem: Revisiting the Role of L-Type Calcium Channels on Dopaminergic Neurons. Am J Ther. 2025 Mar 20. doi: 10.1097/MJT.0000000000001925. Epub ahead of print. PMID: 40112127.
161. Dehade A, Chakrabarti SS, Reddy NTS, Kaur U. Dopaminergic Drugs and Valproate-associated Refractory Hyponatremia Over Levosulpiride-induced Parkinsonism in an Elderly Female Patient When Deprescribing was the Only Therapy. Curr Drug Saf. 2025;20(2):232-236. doi: 10.2174/0115748863288106240313042127. PMID: 38523545.
162. Kaur U, Reddy J, Reddy NTS, Gambhir IS, Yadav AK, Chakrabarti SS. Patterns, outcomes, and preventability of clinically manifest drug-drug interactions in older outpatients: a subgroup analysis from a 6-year-long observational study in North India. Naunyn Schmiedebergs Arch Pharmacol. 2025 Jan;398(1):687-698. doi: 10.1007/s00210-024-03294-2. Epub 2024 Jul 24. PMID: 39046529.
163. Manna S, Chakrabarti SS, Singh R, Gambhir IS. Serum hepcidin level with iron profile assay might replace bone marrow iron study as a diagnostic tool for evaluation of anemia in elderly without chronic renal disease. J Family Med Prim Care. 2025 Jan;14(1):356-362. doi: 10.4103/jfmpc.jfmpc_34_24. Epub 2025 Jan 13. PMID: 39989595; PMCID: PMC11844940.
164. Kumar V, Sri Bharathi GS, Bhatia M, Chakrabarti SS, Kaur U, Mishra JK. Clinical outcomes with all-oral regimens in patients of drug-resistant tuberculosis: A prospective study in a tertiary hospital in North India. Naunyn Schmiedebergs Arch Pharmacol. 2025 Mar 19. doi: 10.1007/s00210-025-04000-6. Epub ahead of print. PMID: 40105921.
165. Khobragade PY, Petrosyan S, Dey S, Dey AB, Lee J; LASI-DAD Authorship Team. Design and methodology of the harmonized diagnostic assessment of dementia for the longitudinal aging study in India: Wave 2. J Am Geriatr Soc. 2025 Mar;73(3):685-696. doi: 10.1111/jgs.19252. Epub 2024 Oct 31. PMID: 39482079; PMCID: PMC11907746.
166. Trivedi R, Singh S, Singh V, Yadav S, Singh A C, Singh A, Chaurasia R N, Kumar A, Kumar D. Unravelling neuroinflammation-mediated mitochondrial dysfunction in mild cognitive impairment: Insights from targeted metabolomics, Brain Organoid and Systems Neuroscience Journal, Volume 2, Dec 2024, Pages 64-74, ISSN 2949-9216, https://doi.org/10.1016/j.bosn.2024.10.001.
167. Sharma G, Kumar A, Singh A. Intracranial aspergilloma in an immunocompetent geriatric patient: A diagnostic dilemma. Geriatric Gerontol Int. 2024 Apr; 24(4):440-441. doi: 10.1111/ggi.14842. Epub 2024 Feb 23. PMID: 38391120
168. Integration of transcriptomics and metabolomics data revealed role of insulin resistant SNW1 gene in the pathophysiology of gestational diabetes. Author: Dr. Ravi Bhushan , Dr. Rimjhim Trivedi , Dr. Ritu Raj , Dr. Anjali Rani, Dr. Sangeeta Rai, Dr. Anima Tripathi , Dr. Shiv Govind Rawat, Dr.Ajay Kumar, Dr. Dinesh Kumar & Dr.Pawan K. Dubey. Published : 04 Feb 2025. DOI : https://doi.org/10.1038/s41598-025-88485-4.
169. The Impact of Inflammatory Cytokines on Recurrent Pregnancy Loss: A Preliminary Investigation. Authors : Dr. Shivani Mishra, Dr. Ashish Chaurasiya, Dr. Sangeeta Rai, Dr. Chetan Sahni, Dr. Shivam Tiwari, Dr. Bhupendra Kumar, Dr. Royana Singh, DOI: 10.1007/s43032-025-01786-x, Vol-32, Published Jan-2025.
170. Bioinformatical enrichment analysis of genes involved in the pathway of endometriosis disease. Authors Kusum Kusum, Ashish Ashish, Ravi Bhushan, Radha Chaube, Sangeeta Rai, Royana Singh. 2024. doi: https://doi.org/10.1101/2024.02.09.24302561medRxiv.
171. Assessment of Uterocervical Angle as a predictor of spontaneous preterm birth. S Rai, P Singh. Orapuh Journal 5 (1), e1103-e1103.
172. SARS-CoV-2 infection and Pregnancy outcome: A cross-sectional study from Eastern UP Population, India. S Rai, A AshishSr, S Mishra, B Kumar Sr, K Kusum... - medRxiv, 2024
173. Other paper accepted for publication in prestigious Journal JSAFOG on 15/06/25.
174. One Paper Accepted for publication in prestigious Journal JOGI on 14/06/25.
175. Effect of Adolescent Pregnancy on Maternal And Fetal Outcome – A Study Conducted in a Tertiary Care Centre. Arya S,Jain M, Mani A,Jain S .Int. J. Current Pharm Rev. Res. 2025; 17(2);1250-6. e-ISSN: 0976-822X, p-ISSN:2961-6042.
176. Association of Cesarean Scar Defect with Abnormal Uterine Bleeding: The Results of A Prospective Study. Singh D, Arya S, Jain S, Singh R. Int. J. Current Pharm Rev. Res 2025; 17(2); 996-9. e-ISSN: 0976-822X, p-ISSN:2961-6042 .
177. Comparative Analysis of Pap Smear and Colposcopy Results in Patients Presenting with Vaginal Discharge in an Outpatient Setting. Arya S, Singh D, Jain S, Singh R, Mani N.Int. J. Current Pharm Rev. Res 2025; 17(2); 992-5. e-ISSN: 0976-822X, p-ISSN:2961-6042
178. Body Image And Self-Esteem In Women With Polycystic Ovarian Syndrome:A Cross-Sectional Study. Student's Journal of Health Research Africa. Arya S, Mani A, Singh D, Jain S. Nov.2024; 5 (11):1-8. e-ISSN: 2709-9997, p-ISSN: 3006-1059. Corresponding Author.
179. Urinary miRNAs in bladder cancer Author links open overlay panel
Amrit Chattopadhaya , Sukhad Kural , Ashish Verma , Priyam vada Gupta , Harshita Tiwari , Swati Singh , Anuja Thakur , Rajiv Kumar , Satya Narayan Sankhwar Santosh Kumar Singh , Sakshi Agarwal, Sanjana Mehrotra , Vibhav Gau tam Lalit Kumar dated 01 Feb 2025 vol 567.
180. Kural S, Pathak A, Singh S, et al. Prospective assessment of VI-RADS with muscle invasion in urinary bladder cancer and its implication on re-resection/restaging. JO - Annals of Surgical Oncology, VL - 32, Sukhad Kural MSc, Abhay Kumar Pathak MSc, Shweta Singh MSc, Garima Jain PhD, Mahima Yadav MD, Sakshi Agarwal MS, Ishan Kumar MD, Manjari Gupta PhD, Yashasvi Singh MCh, Ujwal Kumar MCh, Sameer Trivedi MCh, S. N. Sankhwar MCh, Parimal Das PhD & Lalit Kumar MCh.
181. Kural S, Jain G, Agarwal S, Das P, Kumar L. Urinary extracellular vesicles-encapsulated miRNA signatures: a new paradigm for urinary bladder cancer diagnosis and classification. Urol Oncol. Dated 04 july 2024 Issue:07, Volume: 42 , Author: Sukhad Kural M.Sc., Garima Jain Ph.D., Sakshi Agarwal M.S, Pa rimal Das Ph.D. bLalit Kumar M.Ch,
182. Agrawal S, Pandey Y, Kumar I, Kumar L. A Tertiary Center Case Series On Postpartum Rectus Sheath Hematoma: An Unveiled Identity. Cureus. 2024 Apr 24;16(4):E58903. Doi: 10.7759/Cureus.58903.
183. 1. Kanungo R and Anupurba S.Association of viral and fungal infections of the CNS during immunosuppression. In: Sami H, Firoze S, Khan PA (Eds). Viral and fungal infections of the Central Nervous System: A Microbiological Perspective.

Springer Nature Singapore Pte Ltd. 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore (2023) pp. 465-482 https://doi.org/10.1007/978-981-99-6445-1_20

184. Prakash P, Prasad R, Abhinay A, Singh A. Burden of Pediatric Scrub Typhus at a Tertiary Care Hospital: Clinical, Biochemical, Complications and Predictors of Mortality and Morbidity. Indian Journal of Pediatrics. 2024 Apr;91(4):415-.
185. Gangwar M, Dey A, Chowdhury SR, Gautam MK, Prakash P, Nath G. Botanical warriors: Harnessing nature's antiviral arsenal–A comprehensive study of medicinal plants combatting pathogenic viral infections. Pharmacological Research-Natural Products. 2024 Jun 1;3:100043.
186. S Jaiswal, S Tiwari, P Prakash, SS Chakrabarti. Morganella morganii : As an Infective Agent in an Advanced Sacral Pressure Ulcer. Journal of Institute of Medical Sciences 1 (1), 29-30
187. Sharma, S., Singh, K., Chaurasiya, A. et al. Comparative study of phenotypic and genotypic expression of virulence factors in colonizing and pathogenic carbapenem resistant Acinetobacterbaumannii (CRAB). BMC Microbiol 25, 13 (2025). https://doi.org/10.1186/s12866-024-03727-1
188. Chaurasiya S, Singh A, Tiwari A, Banerjee T. Fasciolopsisbuski isolated from human host, India has distinct clade based on nuclear ribosomal DNA sequences. Indian J Med Microbiol. 2024;52:100757. doi: 10.1016/j.ijmmb.2024.100757.
189. Wangkheimayum J, Banerjee T, Baishya S, Sharma S, Choudhury MD, Laskar MA, Bhattacharjee A. Linoleic acid acts as a potential anti-virulence agent in Klebsiella pneumoniae. GERMS. 2024;14(2):136-148. doi: 10.18683/germs.2024.142
190. Das BJ, Banerjee T, Wangkheimayum J, Mishra K, Kumar A, Bhattacharjee A.Characterization of blaOXA-232 carrying carbapenem-resistant Klebsiella pneumoniae (CRKP) & their expression profiles under selective carbapenem pressure: An in-depth study from India. Indian J Med Res 2024, 159(6);644-652.doi:10.25259/IJMR_1915_22
191. Rakshit P, Singh A, Singh R and Banerjee T (2024) An in-depth study on survival mechanism of bacterial isolates in disinfectants within the hospital environment. Front. Cell. Infect. Microbiol. 14:1442914. doi: 10.3389/fcimb.2024.1442914
192. Das A, Garg R, Singh R, Banerjee T. Characterization and assessment of exposure risks of healthcare personnel during the COVID-19 pandemic. J Family Med Prim Care 2024;13:3094-105 doi:10.4103/jfmpc.jfmpc_1783_23
193. Banerjee T, Goswami AG, Basu S. Biliary microbiome and gallstones: A silent friendship. World J GastrointestSurg 2024; 16(11): 3395-3399 [DOI: 10.4240/wjgs.v16.i11.3395]
194. Sharma S, Singh A, Banerjee T. Diversity in Fungal Infections in the Initial Waves of COVID-19: An Occurrence Based Systematic Review. JASPI. 2024;2(2):18-38
195. Banerjee T, Adwityama A, Sharma S, Mishra K, Prusti P, Maitra U. Comparative evaluation of colistin broth disc elution (CBDE) and broth microdilution (BMD) in clinical isolates of Pseudomonas aeruginosa with special reference to heteroresistance. Indian J Med Microbiol. 2024;47:100494. doi: 10.1016/j.ijmmb.2023.100494.
196. Giri KR, Prakash V, Palandurkar KM, Banerjee T, Rakshit P. Preliminary evaluation of in-Vivo and in-Vitro antifungal activity of Piper longum, Origanummajorana, Embeliaribes and Butea monosperma with Gas chromatography-mass spectrometry analysis of phytochemical property of plant extracts against Candida species causing dermatological Candidiasis. IP Indian J ClinExpDermatol 2024;10(1):11-18.
197. Mandloi V, Banerjee T, Sharma A, Pratap A, Ansari MA, Srivastava V. Role of Bovine Colostrum Dressing on Chronic Non-Healing Wounds in Comparison to Conventional Dressing: A Case-Control Study. The International Journal of Lower Extremity Wounds. 2024;0(0). doi:10.1177/15347346241241578
198. Tiwari AK, Nikhil A, Chaurasia A, Pandey PC, Narayan RJ, Gupta MK. Making vancomycin a potent broad-spectrum antimicrobial agent using polyaziridine-stabilized gold nanoparticles as a delivery vehicle. Journal of Biomaterials Applications. 2025 Jul;40(1):145-62.
199. Singh P, Haldhar P, Das T, Chaubey G, Gupta MK, Kumar B. Thermal Stress and Its Effects on the Gut Microbiome of Parthenium Beetles. Archives of Insect Biochemistry and Physiology. 2025 Apr;118(4):e70058.
200. Tiwari AK, Pandey PC, Gupta MK, Narayan RJ. Nano–bio interaction and antibacterial mechanism of engineered metal nanoparticles: fundamentals and current understanding. Journal of Cluster Science. 2025 Feb;36(1):5.
201. Maurya VK, Gupta MK, Tilak R, Kumar K, Singh JK, Kumar P, Kumar N. Serum mannan and galactomannan level in culture-negative sepsis patients having suspected invasive fungal infections during COVID-19 pandemic: A clinico-microbiological study. Journal of Laboratory Physicians. 2025 Jan 1;17(1).
202. Nikhil A, Tiwari AK, Tilak R, Bhatia M, Gupta MK. In vitro enrichment of trace elements promotes rapid germination of Aspergillus conidia: a clinical concern for immunosuppressed and hyperglycemic patients. Current Medical Mycology. 2024 Nov 22;10:10-e2024.
203. Nikhil A, Tiwari AK, Tilak R, Kumar S, Bharti PS, Pandey PC, Narayan RJ, Gupta MK. Vancomycin-Conjugated Polyethyleneimine-Stabilized Gold Nanoparticles Attenuate Germination and Show Potent Antifungal Activity against Aspergillus spp. Applied Sciences. 2024 Aug 7;14(16):6926.
204. Tiwari P, Nikhil A, Tiwari K, Paonikar T, Gupta MK, Tilak R. In vitro determination of antifungal susceptibility and virulence factors in Candida species causing candidemia in North India Region. Discover Public Health. 2024 Aug 5;21(1):50.
205. Mishra V, Chaubey M, Gupta MK, Kumar V, Chakravarty J. Gastrointestinal mucormycosis presenting as melena in a patient with severe COVID-19. Journal of Gastrointestinal & Liver Diseases. 2024 Jun 1;33(2).
206. Rai AK, Tilak R, Tiwari P, Meena P, Kumar A, Tiwari AK, Gupta MK. Emergence of rare and uncommon yeast-like pathogens causing neonatal sepsis at a tertiary care center, North India. Germs. 2024 Mar 31;14(1):20.
207. Tiwari AK, Gupta MK, Meena R, Pandey PC, Narayan RJ. Molecular Weights of Polyethyleneimine-Dependent Physicochemical Tuning of Gold Nanoparticles and FRET-Based Turn-On Sensing of Polymyxin B. Sensors. 2024 Mar 28;24(7):2169.
208. Gupta MK. Fungal infections of the central nervous system. InA Review on Diverse Neurological Disorders 2024 Jan 1 (pp. 157-169). Academic Press.
209. Abhinay A, Agarwal A, Kumar N, Prasad R. Accidental Dapsone Poisoning and Acute Kidney Injury. Indian Journal of Nephrology. 2024 Oct 28;34(6):679.
210. Abhinay A, Agarwal A, Singh A, Garg S, Kumar D, Prasad R, Kumar N. Posterior Reversible Encephalopathy Syndrome with Renal Disease. Indian Journal of Pediatrics. 2024 Dec;91(12):1314-.
211. Abhinay A, Agarwal A, Singh A, Kumar N. Novel Variations in KIRREL1 Gene and Infantile Onset Nephrotic Syndrome. Indian Journal of Nephrology. 2024 Aug 30;34(5):547.
212. Abhinay A, Panda S, Singh A, Kumar N. From Rarity to Reality: Nivelon-Nivelon-Mabille Syndrome Presenting with Renal Tubular Acidosis. Indian Journal of Nephrology. 2024 Oct 28;34(6):678.
213. Abhinay A, Vijayakumar V, Kumar N, Panda S. Beyond the Initial Episode, Recurrent Hemolytic Uremic Syndrome Unveiled. Indian Journal of Nephrology. 2024 Oct 28;34(6):675.
214. Aggarwal P, Agarwal A, Aggarwal S, Rani D, Gupta V. Masquerading as lymphoma: the accelerated phase of Chediak-Higashi syndrome and its novel mutation. J Appl Genet. 2025 Jul 1.
215. Aggarwal P, Ali A, Gupta V. Genetic Profile of Beta-Thalassemia and Sickle Cell Disease in Eastern Uttar Pradesh. Indian Pediatrics. 2024 Dec;61(12):1131-3.
216. Barnwal S, Aggarwal P, Gupta V. A Rare Cause of Iron Deficiency Anemia. Indian Pediatrics. 2024 Nov;61(11):1052-3
217. Bhardwaj V, Kumar I, Aggarwal P, Singh PK, Shukla RC, Verma A. Demystifying the Radiography of Age Estimation in Criminal Jurisprudence: A Pictorial Review. Indian Journal of Radiology and Imaging. 2024 Jul;34(03):496-510.
218. Gupta V, Krishnamurti L. Haematopoietic stem-cell transplantation for sickle cell disease in low-income and middle-income countries: the experience in India. The Lancet Haematology. 2024 Nov 1;11(11):e812-3.
219. Gupta V, Vijayakumar V, Aggarwal P, Kumar I, Agrawal V. Pulmonary artery hypertension in transfusion-dependent thalassemia. Indian Pediatrics. 2024 Jan;61(1):49-52.
220. Kaliki, S.; Vempuluru, V.S.; Mohamed, A.; Al-Jadiry, M.F.; Bowman, R.; Chawla, B.; Hamid, S.A.; Ji, X.; Kapelushnik, N.; Kebudi, R.; et al. Global Retinoblastoma Study Group. Retinoblastoma in Asia: Clinical Presentation and Treatment Outcomes in 2112 Patients from 33 countries. Opthalmology 2024, 131, 468-4
221. Kumar I, Meena S, Singh PK, Aggarwal P, Verma A. A Rare Cause of Acute Recurrent Pancreatitis in a Child. Indian Journal of Pediatrics. 2024 Apr;91(4):404-5.
222. Kumar I, Prakash A, Aggarwal P, Chowdhary S, Verma A. Disorders of sexual development: structured radiological reporting and practical approach. Abdominal Radiology. 2024 Feb;49(2):523-34.
223. Kumar I, Sonker S, Aggarwal P, Gupta V, Shukla RC, Verma A. Predicting response to initial chemotherapy in pediatric lymphoma using a semiquantitative contrast enhanced CT (CECT)-based abdomino-thoracic score: a pilot prospective observational study. Abdom Radiol (NY). 2025 Feb 6.
224. Kumar I, Verma A, Aggarwal P, Yadav N, Kukreja K, Singh PK. Radiological insights into pediatric undernutrition: Early detection, complications, and a structured evaluation approach. Curr Probl Diagn Radiol. 2025 Mar 18:S0363-0188(25)00048
225. Manwatkar S, Agarwal A, Reddy K, Kumar B, Barnawal S, Saroj AK, Rao SK. Bacteriological Profile and Antibiogram of Ventilator Associated Pneumonia. Indian Journal of Pediatrics. 2024 Mar;91(3):315-.
226. Mishra OP, Singh A, Prasad R. Focal segmental glomerulosclerosis in primary Sjögren's syndrome: a rare presentation. Pediatric Nephrology. 2024 Jul;39(7):2271-.
227. Praharaj I, Reddy SN, Nair NP, Tate JE, Giri S, Thiyagarajan V, Mohan VR, Revathi R, Maheshwari K, Hemavathy P, Kumar N. Infectious etiology of intussusception in Indian children less than 2 years old: a matched case-control analysis. Gut Pathogens. 2024 Oct 23;16(1):61.
228. Prakash P, Prasad R, Abhinay A, Singh A. Burden of Pediatric Scrub Typhus at a Tertiary Care Hospital: Clinical, Biochemical, Complications and Predictors of Mortality and Morbidity. Indian Journal of Pediatrics. 2024 Apr;91(4):415-.
229. Prasad R, Verma H, Srivastava R, Aishwarya, Kumar A. Cerebrospinal fluid leucine rich alpha-2 glycoprotein in children with tubercular meningitis with their diagnostic and prognostic significance: a prospective study. Indian journal of pediatrics. 2024 Mar;91(3):305-.
230. Rai T, Mahawar R K, Aggarwal P. Dermatological Manifestations in Immunocompromised Pediatric Patients on Chemotherapy: A Cross-sectional, Observational Study. Clinical Dermatology Review 9(1):p 17-21, Jan–Mar 2025.
231. Rao SK, Garg S, Kashyap A, Verma H, Saroj AK. Pointers of Genetic Susceptibility in an Infant with Pulmonary Tuberculosis. Indian Journal of Pediatrics. 2024 Feb;91(2):209-
232. Rao SK, Jhalaria G, Rambabu N, Yadav H, Sharma S, Saroj AK. SEPN1 Related Myopathy Presenting as Chronic Respiratory Insufficiency. Indian Journal of Pediatrics. 2024 Mar;91(3):304-.
233. Singh A, Garg S. Novel Variant of 3M2 Syndrome in an Indian Patient: Expanding the Genotype. Indian Pediatrics. 2024 Nov;61(11):1069-.
234. Singh A, Manwatkar S, Abhinay A, Prasad R. Eyelid hyperpigmentation: Rare involvement following intake of common drug. Indian Journal of Pharmacology. 2025 Mar 1;57(2):106-7.
235. Singh A, Sidar M, Ali A, Abhinay A, Prasad R, Mishra OP. Clinical and molecular profile of Duchenne muscular dystrophy (DMD): Case-record analysis from Uttar Pradesh, India. Indian Pediatrics. 2024 Dec;61(12):1119-22.
236. Srivastav C, Manwatkar S, Saroj AK, Agarwal A, Kabir S, Krish P, Sidar M, Rao SK. Performance of Pediatric Intensive Care Unit (PICU) Before and After the Advancement of Resources Under COVID-19 Emergency Response and Health System Preparedness Package Phase II (ECRP-II): Single Center Experience. Indian Journal of Pediatrics. 2025 Feb;92(2):203-.
237. Srivastava C, Agarwal A, Singh S, Ghosh M, Saroj AK, Rao SK. SLC29A3 Gene Spectrum Disorders in Two Siblings. Indian Journal of Pediatrics. 2025 Jun;92(6):675-.
238. Srivastava C, Saroj AK, Kumar S, Rao SK. Assessment of Airway Inflammation by Induced Sputum in Children with Persistent Asthma. Indian Journal of Pediatrics. 2024 May;91(5):519-..
239. Upadhyay M, Singh NK, Ashish A, Upadhyay M, Singh A, Singh R, SINGH NK, Ashish Sr A. The Rapid Evaluation of Down Syndrome With Quantitative Fluorescence Polymerase Chain Reaction (QF-PCR): A Pilot Study Among the Population in Eastern Uttar Pradesh, India. Cureus. 2024 Apr 28;16(4).
240. Yadav AK, Singh NK, Singh A, Ashish A, Singh S, Rai SN, Singh SK, Singh R. Investigation of Serum Pro-Inflammatory Markers and Trace Elements Among Short Stature in Eastern Uttar Pradesh and Bihar Populations. Journal of Inflammation Research. 2024 Dec 31:6063-73.
241. Yadav V, Kumar I, Chaudhary A, Yadav N, Aggarwal P, Meena L, Verma A. From Childhood to Adulthood: Investigating the Utility of Radiographic Pettersson Score in Assessing

Hemophilic Arthropathy Severity. The Indian journal of radiology and imaging. (2025);10.1055/s-0045-1807285

242. Pharmacology

243. Prakash V, Goel N, Giri KR, Goel A. Clinical study evaluating antihyperglycemic efficacy and safety of terminalia arjuna versus sitagliptin in Type-2 diabetes mellitus patients. Bioinformation. 2024 Dec 31;20(12):1862-1868. doi: 10.6026/9732063002001862. PMID: 40230891; PMCID: PMC11993424.Pubmed

244. R Giri K, M Palandurkar K, Prakash V, Singh A, Trigunayat A. In vivo analysis of puerarin from Pueraria tuberosa as a promising galactagogue. Bioinformation. 2024 Nov 30;20(11):1574-1581. doi: 10.6026/9732063002001574. PMID: 40162455; PMCID: PMC11953538. Pubmed

245. Priya K, Thacker H, Chaubey M, Rai M, Singh S, Rawat S, Giri K, Mohanty S and Rai G (2024) Dexamethasone and IFN-γ primed mesenchymal stem cells conditioned media immunomodulates aberrant NETosis in SLE via PGE2 and IDO. Front. Immunol. 15:1461841. doi: 10.3389/fimmu.2024.146184.Pubmed, IF; 5.9. Cite score : 10.8

246. Giri KR, Prakash V, Palandurkar KM, Banerjee T, Rakshit P. Preliminary evaluation of in-Vivo and in-Vitro antifungal activity of Piper longum, Origanum majorana, Embeliaribes and Butea monosperma with Gas chromatography-mass spectrometry analysis of phytochemical property of plant extracts against Candida species causing dermatological Candidiasis. IP Indian J Clin Exp Dermatol 2024;10(1):11-18.

247. Abstract: Priya K, Chaubey M, Rawat S, Giri K, Mohanty S, Rai G. Dexamethasone primed mesenchymal stem cells conditioned media immunomodulates immune responses and ameliorates clinical pathology in lupus mice model. Role of Clinical Pharmacology in the Development of Transformative Medicines in this era of Digital and Artificial Intelligence Technologies. South Asian College of Clinical Pharmacology (SAC-ACCP) held at Hyderabad, 4th-6th January 2024.

248. Kaur U, Reddy J, Reddy NTS, Gambhir IS, Yadav AK, Chakrabarti SS. Patterns, outcomes, and preventability of clinically manifest drug-drug interactions in older outpatients: a subgroup analysis from a 6-year-long observational study in North India. NaunynSchmiedebergs Arch Pharmacol. 2024 Jul 24. doi: 10.1007/s00210-024-03294-2. PMID: 39046529.

249. Kanakan, Ahalya MD 1 ; Krishna, Dondapati Venkata Vamshi MBBS 2 ; Jaiswal, Sumit MD 1 ; Chakrabarti, Sankha Shubhra MD 1 ; Kaur, Upinder MD, PhD 3 . Delirium Associated With Diltiazem: Revisiting the Role of L-Type Calcium Channels on Dopaminergic Neurons. American Journal of Therapeutics ():10.1097/MJT.0000000000001925, March 20, 2025. | DOI: 10.1097/MJT.0000000000001925

250. Kaur U, Krishna DVV, Reddy J, Reddy NTS, Dehade A, Chakrabarti SS, Yadav DP. Late-Onset Inflammatory Bowel Disease and Flares In Adenoviral and Inactivated Coronavirus Vaccine Recipients. Am J Ther. 2024 Dec 12. doi: 10.1097/MJT.0000000000001856. Epub ahead of print. PMID: 39670515

251. Kumar A, Verma A, Kaur U, Chakrabarti SS. Identifying Paget's Disease in the Elderly-an oft-missed Diagnosis. Balkan Med J. 2025 Mar 3;42(2):166-167. doi:10.4274/balkanmedj.galenos.2024.2024-10-31. Epub 2024 Dec 9. PMID: 39648919; PMCID: PMC11881542.

252. Dehade A, Chakrabarti SS, Reddy NTS, Kaur U. Dopaminergic Drugs and Valproate-associated Refractory Hyponatremia Over Levosulpiride-induced Parkinsonism in an Elderly Female Patient When Deprescribing was the Only Therapy. Curr Drug Saf. 2025;20(2):232-236. doi:10.2174/0115748863288106240313042127. PMID:38523545. IF: 1.1

253. Prema S, Verma R,Nagarwal A, Bharkatiya M, Baghel M, Kishore L, Wal P, Gasmi A. Evaluation of the Effect of Virgin Rice Bran Oil (VRBO) on Doxorubicininduced Cardiotoxicity in Wistar Rats. Curr Cardiol Rev. 2025;21(4):e1573403X327970. doi: 10.2174/011573403X327970250108045235. PMID: 39878106; PMCID: PMC12180362. [PUBMED]

254. Pyne C, Barik CS, Verma R, Dighe RD, Aziz N, Imran M, Wal P, Gasmi A. Pharmacological Evaluation of the Combination Therapy of Novel Herbal Mixture in Polycystic Ovary Syndrome. Curr Protein Pept Sci. 2025 Aug 1. doi: 10.2174/0113892037368963250710184315. Epub ahead of print. PMID: 40760753.[PUBMED]

255. Anurag Rawat, Gajanand Pujari, Rakesh Verma, Neha Chauhan, Vettrivel Arul, Dharmender, Arun Kumar M. S, Ms. Sona M, Jamal Basha Dudekula, DowluruSVGK Kaladhar, Arpan Kumar Tripathi. The Impact of Ethanol Leaf Extract from Cassia Angustifolia on The Cardiovascular System and Lipid Profile of Wister Rats. African Journal of Biological Sciences. 6(5) (2024). 9733-9745.

256. Joshi VD, Verma R, Acharya AK, Patel AK, Patil KS et al. "Formulation optimisation and Evaluation of Desvenlafaxine loaded nano structured lipid career for brain targeting". African Journal of Biological Sciences. Aug 24; 6 (14): 6751-6773.

257. Naik V, Verma R, Rasheed SN. "Characterization of Arginine and Glucose Effects on The Perfused Rat Pancreas' Glucagon and Insulin Release". African Journal of Biological Sciences; July 24. 6 (6):7560- 7572.

258. Shukla A, Verma RC, Mishra S, Singh A. "Exemplifying the antidyslipidaemic potency of Pterocarpus marsupium extract in mitigating high-fat diet-induced dyslipidaemia in rodent model". International Journal Of Pharmaceutical Sciences And Research. Aug 24; 15 (8): 2378-2386.

259. Verma RC, Singh A and Dixit RK. "Pattern of drugs prescribed for elderly patients by private practitioners of modern medicine in Lucknow, the capital of Uttar Pradesh". Int J Pharm Sci & Res. Mar 2024; 15 (3): 909-12. doi: 10.13040/IJPSR.0975-8232.15(3). 909- 12.

260. Shukla A, Verma RC, Mishra S and Singh A. "Antidyslipidemic effect of Eugenia jambolana extract on high fat diet induced dyslipidemia in rats". Int J Pharm Sci & Res. Feb 2024; 15 (2): 442-49. doi: 10.13040/IJPSR.0975-8232.15(2).442-49.

261. Hospital and Clinical Pharmacy; 4th author. JEC Publications. 2024; ISBN: 9789361752209.

262. Understanding diabetes and its complications; 2nd author. Shashwat Publications. 2024; ISBN : 978-93-6087-354-7.

263. Book Chapter: GiriK.R., Palandurkar, K., Trigunayat, A., Giri, R. (2024). Reverse Pharmacology: Transdisciplinary Approach of Drug Discovery from Ethnomedicine. In: Das Talukdar, A., Patra, J.K., Das, G., Nath, D. (eds) Traditional Resources and Tools for Modern Drug Discovery. Interdisciplinary Biotechnological Advances. Springer, Singapore. https://doi.org/10.1007/978-981-97-4600-2_10

264. Gupta AK, Sankalp, Sharma HB, Nidhi T, Banodhe GK, Mirdha M (2025). Six-minute walk test in young healthy university players: gender difference and anthropometric correlates. International Journal of Environmental Sciences, 11(16 Suppl), 954.

265. Singh YR, Gupta AK, Sankalp, Nidhi T, Singh A, Sharma HB (2025). Gender difference of isometric mid-thigh pull and its anthropometric correlates: a study in young Indian university players. International Journal of Life Sciences, Biotechnology and Pharma Research, 14(6), 1449.

266. Ms. Sumya Akter , Dr. Thakur Nidhi, Dr. Ashish Kumar Gupta, Dr. Sankalp , Mr. Yumnam Ruhinkumar Singh, Dr. Anurag Kumar, Ms. Ruby Pal, Mr. Gopal Krishna Shukla, Dr. Pragya Tiwari , Prof. (Dr.) Abhimanyu Singh , Dr. Hanjabam Barun Sharma (2025). Anthropometric and Body Composition Correlates of Vertical Jump Performance: A Study Among Young North Indian University Players. Journal of Contemporary Clinical Practice, 11& 6

267. Singh S, Sharma P, Dixit D, Mandal MB. Role of nitric oxide in determination of large intestinal contractility in neonatal rats. Indian J Physiol Pharmacol. 2024;68:9-17. doi: 10.25259/IJPP_374_2023

268. Banerjee S, Sarvottam K, Gupta AK. Assessment of the Knowledge, Attitudes, and Practices of Indian Medical Students Towards Coronavirus Disease 2019 (COVID-19)

269. Dwivedi AND, Yadav N, Yadav V. The prevailing social stigma around disorders of sexual development in developing countries. Future Health. 2024; 2:90-93. doi: 10.25259/FH_3_2024.

270. Dwivedi AND, Gupta PN. Multidetector computerized tomography in diagnosis and preoperative workup of fetus in fetu: A case series. Future Health. 2024; 58-60. doi: 10.25259/FH_1_2024

271. Vaibhav Pandey, Rathindra Nath Bera, Amit Nandan Dhar Dwivedi, Om Prakash Singh, Preeti Tiwari. Color Doppler Ultrasound indices as Predictors of Propranolol response in Infantile Hemangioma: A Prospective Study. Indian Pediatr. 2024 Mar 15; 61(3): 237-242.

272. Tiwari P, Pandey V, Dwivedi AND, Bera RN, Chauhan N. Evaluating Excision and Reconstruction Techniques Versus Intralesional Sclerotherapy in Facial Infantile Hemangioma Management: A Clinical Outcome Study. Journal of Maxillofacial and Oral Surgery. 2025

273. Correlation of radiological volume parameters using magnetic resonance imaging with surgical intervention, postoperative outcome, and renal function in adult patients of pelvic ureteric junction obstruction. Trijoy Saha, Sameer Trivedi and Amit Nandan Dwivedi. Acta Radiologica. DOI: 10.1177/02841851251351096 PMID: 40598844 DOI: 10.1177/02841851251351096

274. Kumar I, Verma A, Aggarwal P, Yadav N, Kukreja K, Singh PK. Radiological insights into pediatric undernutrition: Early detection, complications, and a structured evaluation approach. Curr ProblDiagnRadiol. Published online March 18, 2025. doi:10.1067/j.cpradiol.2025.03.002

275. Kumar I, Sonker S, Aggarwal P, Gupta V, Shukla RC, Verma A. Predicting response to initial chemotherapy in pediatric lymphoma using a semiquantitative contrast enhanced CT (CECT)-based abdomino-thoracic score: a pilot prospective observational study. AbdomRadiol (NY). Published online February 6, 2025.

276. Kumar I, Yadav N, Verma A. Navigating Artificial Intelligence in Scientific Manuscript Writing: Tips and Traps. Indian J Radiol Imaging. 2025;35(Suppl 1):S178-S186. Published 2025 Jan 9.

277. Chanda Hemaliya, Lalit Prashant Meena, Arun Kumar Singh, Ishan Kumar. Etiology, Clinical Profile, And Demographics of Hemophilia B In Eastern India.IOSR Journal Of Pharmacy And Biological Sciences 2024 ;20,: 23-30

278. Ishan Kumar, Tulika Rai. Author's Reply: Comments on High-Resolution Ultrasound in Evaluation of Peripheral Neuropathy in Patients of Hansen's Disease. 2024 Indian Dermatology Online Journal 16(1):196-196

279. Sharma, P, Kumar, I, Ojha, R et al. Prediction of genetic profile of breast carcinoma on MRI using a combination of DCE-MRI, DWI, and MR spectroscopy: A prospective observational study. Malig Spec 2024.

280. Sukhad Kural, Abhay Kumar Pathak, Shweta Singh, Garima Jain, Mahima Yadav, Sakshi Agarwal, Ishan Kumar, Manjari Gupta,YashasviSingh, Ujwal Kumar, , Sameer Trivedi, S. N. Sankhwar, Parimal Das, Lalit Kumar. Prospective Assessment of VI-RADS with Muscle Invasion in Urinary Bladder Cancer and Its Implication on Re-Resection/Restaging TURBT Patients. Ann Surg Oncol https://doi.org/10.1245/s10434-024-16424-0

281. Kumar I, Siddiqui Z, Verma A. Gowers Intrasyringeal Hemorrhage with Syringomyelia and Syringocephaly. Neurol India. 2024 Sep 1;72(5):1078-1080. doi: 10.4103/neurol-india.NI_580_20

282. Ishan Kumar, Shubham Kesari, Sarita Chowdhary, Priyanka Aggarwal, Ashish Verma. Utero-adnexal herniation into Canal of Nuck: Points to consider. Journal of Institute of Medical Sciences 2024 1(1):14-16

283. Gupta P, Siddiqui R, Singh S, Pradhan N, Shah J, Samanta J, Jearth V, Singh A, Mandavdhare H, Sharma V, Mukund A, Birda CL, Kumar I, Kumar N, Patidar Y, Agarwal A, Yadav T, Sureka B, Tiwari A, Verma A, Kumar A, Sinha SK, Dutta U. Application of deep learning models for accurate classification of fluid collections in acute necrotizing pancreatitis on computed tomography: a multicenter study. AbdomRadiol (NY). 2024 Sep 30

284. Yadav V, Kumar I, Yadav N, Aggarwal P, Verma A. Unilateral facial asymmetry: Do not forget to look at the subcutaneous tissue. Case Rep Clin Radiol. doi: 10.25259/CRCR_171_2023

285. Agrawal S, Pandey Y, Kumar I, Kumar L. A Tertiary Center Case Series on Postpartum Rectus Sheath Hematoma: An Unveiled Identity. Cureus 2024;16(4): e58903.

286. Chanda Hemaliya, Lalit Prashant Meena, Arun Kumar Singh, Ajeet Kumar, , Sandip Kumar, Avijit Howlader, Sovan Kumar Senapati, Anupam Aic , Vineeta Gupta, Ishan Kumar. Clinical, Demographic, And Haematological Profile of Haemophilia Patients at Sir Sunder Lal Hospital Varanasi With CoE Haemoglobinopathies And Day Care Centre.IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) 2024; 23(9): 44-51

287. Erratum: High-Resolution Ultrasound in Evaluation of Peripheral Neuropathy in Patients of Hansen's Disease. Indian Dermatol Online J. 2024 Apr 29;15(3):568. doi: 10.4103/idoj.idoj_368_24. Erratum for: Indian Dermatol Online J. 2024 Feb 13;15(2):213-217

288. Ishan Kumar, Mohammad Sharoon Ansari , Ashish Verma , Pramod Kumar Singh , Sankha Shubhra Chakrabarti , Ram Chandra Shukla. COVID-19 Vaccines: A Radiological Review of the Good, the Bad, and the Ugly. Indian Journal of Radiology and Imaging, efirst article. 2024

289. Ishan Kumar, Md.Sharoon Ansari, Ashish Verma, Pramod Kumar Singh, Ratnesh Kumar.Type I Endoleak Following Covered Stent Graft Placement for Traumatic Subclavian Artery Pseudoaneurysm. J Clin IntervRadiol ISVIR 2024

290. Author: Payal Sharma, Ishan Kumar, Ritu Ojha, Seema Khanna, Ashish verma Prediction of Genetic Profile of Breast carcinoma on MRI using a combination of DCE, DWI and MR

spectroscopy: A prospective observational study (Malignancy spectrum journal) November 2024.

291. Mourya, Ankur; Mohan Aggarwal, Lalit; Choudhary, Sunil; Sharma, Neeraj; Mishra, Ritusha; Prakash, Chandra; PratapShahi, Uday; Feasibility of the 3D printer to design an intracavitary applicator for the treatment of cervical cancer patients with high dose rate brachytherapy system, Physical and Engineering Sciences in Medicine 01-Dec2025 Springer International Publishing Cham
292. Agarwal, Sumit; Jaiswal, Isha; Shahi, Uday P; Mandal, Abhijit; Aggarwal, Lalit M; Singh, Ankita; Jaiswal, Anil; Yadawa, Nandlal; Accelerated hypofractionatedchemoradiation for locally advanced head and neck cancer during COVID 19 pandemic: A tertiary care experience, Journal of Cancer Research and Therapeutics 20 1404-409 2024 Medknow
293. Mohamed, Shajid Syed; Mandal, Abhijit; Mondal, Kalyan; Mukherjee, Bratindranath; Pandey, Praveen Chandra; Mishra, Himanshu; Mishra, Ritusha; Patel, Ganesh Kumar; Mourya, Ankur; Aggarwal, Lalit Mohan; Enhancing Fricke Xylenol Gel Dosimeter's Response to Radiation with Optimized Preparation Methods., Iranian Journal of Medical Physics/Majallah-I Fīzīk-I Pizishkī-iĪrān2212025
294. Praveen Kumar, C; Aggarwal, Lalit M; Bhasi, Saju; Sharma, Neeraj; A Monte Carlo simulation-based decision support system for radiation oncologists in the treatment of glioblastoma multiforme, Radiation and Environmental Biophysics 632215-262 2024 Springer Berlin Heidelberg Berlin/Heidelberg
295. Maurya, Anil Kumar; Aggarwal, Lalit Mohan; Choudhary, Sunil; Body Composition Analysis Techniques and Its Application in Oncology: A Review Nutrition and Cancer76 8 666-675 2024 Taylor & Francis
296. Boopathi, M; Khanna, D; Venkatraman, P; Sahay, Joshua; Sureka, CS; Raju, Varshini; Aggarwal, Lalit Mohan; Choudhary, Sunil; Fabrication and Characterization of Beam Quality Phantom for External Beam Radiotherapy. Iranian Journal of Medical Physics/Majallah-I Fīzīk-I Pizishkī-iĪrān 21 2 2024
297. Venkatraman, Pitchaikannu; Aggarwal, Lalit Mohan; Choudhary, Sunil; Carbon-based brilliance: a novel approach to renewable energy in radiotherapy centers, Radiation Protection Dosimetry 200 11-Dec 1189-1196 2024 Oxford University Press
298. Venkatraman, Pitchaikannu; Aggarwal, Lalit Mohan; Choudhary, Sunil; Jayachandran, Hemalatha; Chandrasekar, Sakthivel; Ambikapathi, Nivetha; Transforming Radiology Waste into Energy Wealth Using Super Capacitor 2024
299. Choudhary, Sunil; Pandey, Ankita; Singh, Ankita; Mourya, Ankur; Gupta, Neha; Shajid, Syed Mohamed; Venkatachalam, GogulPriean; Rai, Sangita; Agarwal, Sakshi; Venkatraman, Pitchaikannu; Comparision of Intravaginal with Interstitial Brachytherapy in Cervical Cancer after Inadvertent Hysterectomy: A Retrospective Study 2024
300. Shrivastava, Anju; Kumar, Amit; Aggarwal, Lalit Mohan; Pradhan, Satyajit; Choudhary, Sunil; Ashish, Ashish; Kashyap, Keshav; Mishra, Shivani; Evolution of bioelectric membrane potentials: implications in cancer pathogenesis and therapeutic strategies, The Journal of membrane biology 257 5 281-305 2024 Springer US New York
301. Aggarwal, Lalit Mohan; Choudhary, Sunil; Mourya, Ankur; Mani, Tamilarasan; Bisht, Megha; Radiotherapy Centers: The New Frontier for Renewable Energy AAPM 66th Annual Meeting & Exhibition 2024 AAPM
302. Shajid, Syed Mohamed; Aggarwal, Lalit Mohan; Mourya, Ankur; Choudhary, Sunil; Priean, Gogul; Singh, Ankita; Oommen, Saji; A comparison of TG-43 and TG-186 dose calculation algorithms for treatment planning of intra-cavitary brachytherapy using tandem and ovoid applicator, Journal of contemporary brachytherapy 16 1 2024 Termedia
303. Aggarwal, Lalit Mohan; Choudhary, Sunil; Mourya, Ankur; Mani, Tamilarasan; Bisht, Megha; Indigenous HDR Brachytherapy Interstitial Perineal Template with a Novel Mechanism for Needle Locking and Fixation, AAPM 66th Annual Meeting & Exhibition 2024 AAPM
304. Venkatraman, Pitchaikannu; Sureka, CS; Aggarwal, Lalit Mohan; Choudhary, Sunil; Occupational radiation dose evaluation in X-ray diffraction laboratory working environments, Nuclear Technology and Radiation Protection 39 2 167-171 2024
305. A dosimetric study to evaluate the inverse planning simulated annealing (IPSA) and hybrid inverse planning optimization (HIPO) algorithms in HDR brachytherapy of cervical cancer, VG Priean, LM Aggarwal, A Mourya, S Choudhary, SM Shajid, A Mandal, .. Journal of Cancer Research and Therapeutics 21 (3), 576-582
306. Radiation Induced Activated Carbon from Coconut Shell for Supercapacitor Application, P Venkatraman, LM Aggarwal, S Choudhary, H Jayachandran, ...
307. ChemistrySelect 10 (15), e202405919 Harnessing scatter radiation for sustainable energy: Coconut shell-based activated carbon electrodes for high-performance supercapacitors in radiology applications, V Pitchaikannu, LM Aggarwal, S Choudhary, Radiation Physics and Chemistry 229, 112470
308. Feasibility of the 3D printer to design an intracavitary applicator for the treatment of cervical cancer patients with high dose rate brachytherapy system, A Mourya, L Mohan Aggarwal, S Choudhary, N Sharma, R Mishra, ...Physical and Engineering Sciences in Medicine, 1-12, S Mohamed, A Mandal, K Mondal, B Mukherjee, PC Pandey, H Mishra, ...Iranian Journal of Medical Physics/Majallah-I Fīzīk-I Pizishkī-i Īrān 22 (1)
309. 768P Does dose to subventricular zone act as a predictor of overall survival and progression free survival in glioblastoma multiforme (GBM)?, N Lall, S Choudhary, L Aggrawal, A Kumar, Annals of Oncology 35, S1687-S1688
310. Evolution of bioelectric membrane potentials: implications in cancer pathogenesis and therapeutic strategies, A Shrivastava, A Kumar, LM Aggarwal, S Pradhan, S Choudhary, ...The Journal of membrane biology 257 (5), 281-305
311. GSOR08 Presentation Time: 12: 05 PM: Relationship between Late Bladder Toxicity & Dose to Bladder Sub-Volumes in Locally Advanced Cervical Cancer Treated with Interstitial …A Singh, S Choudhary, LM Aggrawal, A Verma, A Mourya, Brachytherapy 23 (6), S76-S77
312. Body Composition Analysis Techniques and Its Application in Oncology: A Review, AK Maurya, LM Aggarwal, S Choudhary, Nutrition and Cancer 76 (8), 666-675
313. Comparision of Intravaginal with Interstitial Brachytherapy in Cervical Cancer after Inadvertent Hysterectomy: A Retrospective Study, S Choudhary, A Pandey, A Singh, A Mourya, N Gupta, SM Shajid, ...Transforming Radiology Waste into Energy Wealth Using Super Capacitor
314. P Venkatraman, LM Aggarwal, S Choudhary, H Jayachandran, ...A comparison of TG-43 and TG-186 dose calculation algorithms for treatment planning of intra-cavitary brachytherapy using tandem and ovoid applicator
315. SM Shajid, LM Aggarwal, A Mourya, S Choudhary, G Priean, A Singh, ...Journal of contemporary brachytherapy 16 (1)
316. Association of obesity and mortality in patients with COVID-19 acute respiratory distress syndrome: A retrospective cohort study, MM Telang, S Waghaye, E Muthusamy, S Choudhary, ZF Alrais, F Kasim, ...International Journal of Critical Illness and Injury Science 14 (3), 153-159
317. Carbon-based brilliance: a novel approach to renewable energy in radiotherapy centers, P Venkatraman, LM Aggarwal, S Choudhary, Radiation Protection Dosimetry 200 (11-12), 1189-1196
318. Fabrication and Characterization of Beam Quality Phantom for External Beam Radiotherapy., M Boopathi, D Khanna, P Venkatraman, J Sahay, CS Sureka, V Raju, ...Iranian Journal of Medical Physics/Majallah-I Fīzīk-I Pizishkī-i Īrān 21 (2)
319. Occupational radiation dose evaluation in X-ray diffraction laboratory working environments, P Venkatraman, CS Sureka, LM Aggarwal, S Choudhary, Nuclear Technology and Radiation Protection 39 (2), 167-171
320. Swati Singh, Harshita Tiwari, Ashish Verma, Priyamvada Gupta, Amrit Chattopadhaya, Ananya Singh, Sanjana Singh, Brijesh Kumar, Abhijit Mandal, Rajiv Kumar, Ashok K Yadav, Hemant Kumar Gautam, Vibhav Gautam. Sustainable synthesis of novel green-based nanoparticles for therapeutic interventions and environmental remediation. ACS Synthetic Biology,13 (7), 1994-2007.2024
321. Agarwal, Sumit; Jaiswal, Isha1; Shahi, Uday P.1; Mandal, Abhijit1; Aggarwal, Lalit M.1; Singh, Ankita1; Jaiswal, Anil1; Yadawa, Nandlal. Accelerated hypofractionated chemoradiation for locally advanced head and neck cancer during COVID 19 pandemic: A tertiary care experience. Journal of Cancer Research and Therapeutics 20(1):p 404-409, Jan–Mar 2024. | DOI: 10.4103/jcrt.jcrt_1747_22.
322. Mishra, R., Singh, S., Patel, G. et al. Comparative analysis of simultaneous integrated boost and sequential boost radiotherapy in node-positive cervical cancer: dosimetric and radiobiological considerations. Radiat Environ Biophys 63, 297–306 (2024). https://doi.org/10.1007/s00411-024-01069-0.
323. Mohamed, Shajid Syed; Mandal, Abhijit; Mondal, Kalyan; V., GogulPriean; Mukherjee, Bratindranath; Pandey, Praveen Chandra; Mishra, Himanshu; Mishra, Ritusha; Patel, Ganesh Kumar; Mourya, Ankur; Aggarwal, Lalit Mohan; Choudhary, Sunil:Enhancing Fricke Xylenol Gel Dosimeter's Response to Radiation with Optimized Preparation Methods.Iranian Journal of Medical Physics / Majallah-I Fīzīk-I Pizishkī-iĪrān, 2025, Vol 22, Issue 1, p44.
324. R Mishra, H Mishra, A Singh, S Singh, E Prakash, A Mourya, A Mandal. Efficacy and toxicity of two-fractions in one application during HDR-Brachytherapy in cancer cervix. Radiotherapy and Oncology 194, S221-S224.2024.
325. Singh, V., Singh, R., Goswami, P. et al. Influences of aqua-(2-formylbenzoato) triphenyltin(IV) on regression of hypoxic solid tumor through mitochondrial mediated pathway by inhibiting Hif-1 alpha. Sci Rep 15, 5302 (2025). https://doi.org/10.1038/s41598-025-89761-z.
326. Dileep Pathote, Ashwani Ranjan, Abhijit Mandal, Sandeep Kumar, R. K. Gautam, C. K. Behera:Human Blood Investigation of Ta-Coated 316L Stainless Steel to Evaluate Corrosion and Wear Behaviour Against Other Artificial Fluids for Orthopaedic Implants. Materials and Corrosion: 2025, 1-16.https://doi.org/10.1002/maco.202414727.
327. Prof. Himanshu Mishra
328. Mishra, R., Singh, S., Patel, G. et al. Comparative analysis of simultaneous integrated boost and sequential boost radiotherapy in node-positive cervical cancer: dosimetric and radiobiological considerations. Radiat Environ Biophys 63, 297–306 (2024).
329. Mohamed, S.S., Mandal, A., Mondal, K., Mukherjee, B., Pandey, P.C., Mishra, H., Mishra, R., Patel, G.K., Mourya, A., Aggarwal, L.M. and Choudhary, S., 2025. Enhancing Fricke Xylenol Gel Dosimeter's Response to Radiation with Optimized Preparation Methods. Iranian Journal of Medical Physics 22(1).
330. Mourya, A., Mohan Aggarwal, L., Choudhary, S. et al. Feasibility of the 3D printer to design an intracavitary applicator for the treatment of cervical cancer patients with high dose rate brachytherapy system. PhysEngSci Med 48, 623–634 (2025).
331. Prof. Ritusha Mishra
332. Mishra, R., Singh, S., Patel, G. et al. Comparative analysis of simultaneous integrated boost and sequential boost radiotherapy in node-positive cervical cancer: dosimetric and radiobiological considerations. Radiat Environ Biophys 63, 297–306 (2024).
333. Mohamed, S.S., Mandal, A., Mondal, K., Mukherjee, B., Pandey, P.C., Mishra, H., Mishra, R., Patel, G.K., Mourya, A., Aggarwal, L.M. and Choudhary, S., 2025. Enhancing Fricke Xylenol Gel Dosimeter's Response to Radiation with Optimized Preparation Methods. Iranian Journal of Medical Physics 22(1).
334. Mourya, A., Mohan Aggarwal, L., Choudhary, S. et al. Feasibility of the 3D printer to design an intracavitary applicator for the treatment of cervical cancer patients with high dose rate brachytherapy system. PhysEngSci Med 48, 623–634 (2025).
335. The Future Grains: A Prominent Nutrient Source with Significant Wellness Benefits. AJBR [Internet]. 2024 Dec. 28 [cited 2025 Feb. 1];27(4S):10317-22. Available from: 27-12-2024https://africanjournalofbiomedicalresearch.com/index.php/AJBR/article/view/5539
336. Nimotuzumab with Intensity Modulated Radiation Therapy (IMRT) in the Concurrent Setting of Locally Advanced Head and Neck Cancers unfit for Chemoradiation. (2024). African Journal of Biomedical Research, 27(3S), 7100-7105. https://doi.org/10.53555/AJBR.v27i3S.6818 5.10.2024
337. Dr. Chandra Prakash, 2Dr. Isha Jaiswal, 3Dr. Shreya Singh, 4Dr. Himanshu Mishra, 5Dr. Ritusha Mishra 1,2Assistant Professor, 3Senior Resident, 4,5Associate Professor, Department of Radiotherapy, IMS, BHU, Varanasi, Uttar Pradesh, India, Oral Mucosa Sparing Adjuvant Radiotherapy in Patients of Squamous Cell Carcinoma of Oral Tongue: A Prospective Randomised Study
338. Singh, P., Rajput, M. & Pandey, M. Tumor hypoxia and role of hypoxia-inducible factor in oral cancer. World J Surg Onc 22, 18 (2024). https://doi.org/10.1186/s12957-023-03284-3
339. Pandey, M.; Rajput, M.; Singh, P.; Shukla, M.; Zhu, B.; Koshiol, J. Aspirin and Cancer Survival: An Analysis of Molecular Mechanisms. Cancers 2024, 16, 223. https://doi.org/10.3390/cancers16010223
340. Pandey M, Kumar T, Koshiol J. Editorial: Advances in molecular classification and targeting of solid tumors. Front Oncol. 2024 Feb 13;14:1373599. doi: 10.3389/fonc.2024.1373599. PMID: 38414742; PMCID: PMC10896838.

341. Rajput, M., Pandey, M., Dixit, R. et al. Is cross-species horizontal gene transfer responsible for gallbladder carcinogenesis. World J Surg Onc 22, 201 (2024). https://doi.org/10.1186/s12957-024-03492-5
342. Pal, M., Das, D. & Pandey, M. Understanding genetic variations associated with familial breast cancer. World J Surg Onc 22, 271 (2024). https://doi.org/10.1186/s12957-024-03553-9
343. Tripathi M, Purwar R, Sinha R, Singh P, Pandey M. Gastrointestinal Stromal Tumor of the Rectum: Report of a Case With Long-Term Imatinib Treatment. Cureus. 2024 Nov 22;16(11):e74269. doi: 10.7759/cureus.74269. PMID: 39717333; PMCID: PMC11663722.
344. Purwar R, Kanugonda J, Shukla M, Pandey M. An unusual case of post-menopausal bleeding. World J Surg Oncol. 2025 Feb 4;23(1):37. doi: 10.1186/s12957-025-03684-7. PMID: 39905489; PMCID: PMC11792582.
345. Kesh N, Pandey M, Kansal S. Influence of Health-Seeking Behavior on Treatment Initiation of Cancer Patients at a Tertiary Care Hospital in Varanasi. Indian J Community Med. 2025 May-Jun;50(3):445-452. doi: 10.4103/ijcm.ijcm_469_23. Epub 2024 Oct 8. PMID: 40511434; PMCID: PMC12156084.
346. Pai, E., Kumar, T., Pandey, M. (2024). The Art of Writing a "Letter to Editor". In: Joshi, P.B., Churi, P.P., Pandey, M. (eds) Scientific Publishing Ecosystem. Springer, Singapore. https://doi.org/10.1007/978-981-97-4060-4_12
347. Dixit, R., Pandey, M. (2024). Readdressing the Current Challenges of Image Duplication in Scientific Publications. In: Joshi, P.B., Churi, P.P., Pandey, M. (eds) Scientific Publishing Ecosystem. Springer, Singapore. https://doi.org/10.1007/978-981-97-4060-4_15
348. Tewari M, Swain JR, Mishra RR, Dixit VK, Shukla HS. Expression Profile of KRAS and p16 in periampullary cancer. Indian Journal of Surgical Oncology. 2024 Mar;15(1):25-34.
349. Bharti A, Ansari MA, Tewari M, Narayan G, Singh S. Clinical significance of frequently down-regulated phosphatidylethanolamine-binding protein-1 in gallbladder cancer. Digestive Diseases and Sciences. 2024 Feb;69(2):502-9.
350. Mishra R, Singh S, Patel G, Mandal A, Mishra H, Pandey A, Bahadur B, Singh PK, Sachan S, Tewari M. Comparative analysis of simultaneous integrated boost and sequential boost radiotherapy in node-positive cervical cancer: dosimetric and radiobiological considerations. Radiation and Environmental Biophysics. 2024 May;63(2):297-306.
351. Reddy VS, Gaba S, Tewari M, Prakash G, Mittal S. Extramammary Paget's disease of the penis and scrotum. Indian Journal of Surgical Oncology. 2024 Mar;15(1):149-52.
352. Tewari M, Kaur M. History of Minimally Invasive Surgery in Cancer. InMinimally Invasive Surgery in Cancer: Techniques and Outcomes 2025 Jan 24 (pp. 5-27). Singapore: Springer Nature Singapore.Book Chapter
353. BOOK: Tewari M (Ed). Minimally Invasive Surgery in Cancer. 2025. Springer Nature
354. Pandey M, Kumar T, Koshiol J. Editorial: Advances in molecular classification and targeting of solid tumors. Front Oncol. 2024 Feb 13;14:1373599. doi:10.3389/fonc.2024.1373599.
355. Pai E., Kumar T., Pandey M. (2024). The Art of Writing a "Letter to Editor". In: Joshi, P.B., Churi, P.P., Pandey, M. (eds) Scientific Publishing Ecosystem. Springer, Singapore. https://doi.org/10.1007/978-981-97-4060-4_12
356. Mahajan A, Kumar JA, Singh AK, Sharma NK, Durrani F, Agrawal NK, Jf N. Quality of life assessment and comparative analysis of anterolateral thigh flap and pectoralis major myo-cutaneous flap for reconstruction of post excision defects of oral squamous cell carcinoma. Indian Journal of Otolaryngology and Head & Neck Surgery. 2024 Aug;76(4):3390-5.
357. Singh AK, Mahajan A, Anandkumar J, Sharma NK, Durrani F, Agrawal NK, Kumar PN, Neville JF. Comparative analysis of radial forearm free flap and submental island flap in reconstruction of post-glossectomy defects of oral squamous cell carcinoma and quality of life assessment. Journal of Maxillofacial and Oral Surgery. 2025 Apr;24(2):441-7.
358. Singh, Yashasvi & Barua, Sasanka& Singh, Vipendra& Trivedi, Sameer & Rajeev, T & Koti, Sridhar & Garg, Neha. (2024). Intratumoral Heterogeneity, Chemoresistance and Lymph Node Landing Zone Prognosis in Testicular Tumors Based on Histopathological Characteristics. Annals of surgical oncology. 31. 10.1245/s10434-024-15051-z.
359. Singh, Vipendra& Rajak, Naina & Singh, Yashasvi & Singh, Ankit & Giri, Rajanish& Garg, Neha. (2024). Role of MicroRNA-21 in Prostate Cancer Progression and Metastasis: Molecular Mechanisms to Therapeutic Targets. Annals of surgical oncology. 31. 10.1245/s10434-024-15453-z.
360. Kural, Sukhad & Pathak, Abhay & Singh, Shweta & Jain, Garima & Yadav, Mahima & Agarwal, Sakshi & Kumar, Ishan & Gupta, Manjari & Singh, Yashasvi & Kumar, Ujwal & Trivedi, Sameer &Sankhwar, S & Das, Parimal & Kumar, Lalit. (2024). Prospective Assessment of VI-RADS with Muscle Invasion in Urinary Bladder Cancer and Its Implication on Re-Resection/Restaging TURBT Patients. Annals of surgical oncology. 32. 10.1245/s10434-024-16424-0.
361. Trivedi, Sameer & Goel, Nitin & Pal, Harish & Reddy, Koti & M, Rinaldo & Nayak, Pradeep & Singh, Yashasvi & Kumar, Ujwal. (2025). Results of urethral reconstruction in neglected urethral foreign bodies with associated urethral strictures. Journal of Clinical Urology. 10.1177/20514158251315575.
362. Thakur, Anuja & Kumar, Lalit & Agarwal, Sakshi & Tripathy, Rachana & Singh, Yashasvi & Trivedi, Sameer & Kumar, Ujwal. (2025). Assessing the clinical efficacy of neoadjuvant intravesical Mitomycin C in naïve non-muscle invasive urinary bladder cancer: A systematic review and meta-analysis. Current Problems in Cancer. 55. 101198. 10.1016/j.currproblcancer.2025.101198.
363. Kmar, Anil &Sivastava, Aviral & Tripathy, Rachana & Kumar, Lalit & Singh, Yashasvi & Kumar, Ujwal & Trivedi, Sameer &Sankhwar, S.. (2025). Efficacy in Using Urodynamic Parameters of Intravesical Electrical Stimulation for Detrusor Underactivity. Urology Research & Practice. 51. 82-83. 10.5152/tud.2024.0181.
364. Kumar, Lalit & Thakur, Anuja & Agarwal, Sakshi & Khairnar, Mahesh & Trivedi, Sameer &Shankhwar, Satya. (2025). Buccal versus Vaginal Graft Urethroplasty in Female Urethral Stricture: A Systematic Review and Meta-Analysis. International urogynecology journal. 10.1007/s00192-025-06171-5.
365. Kmar, Anil &Sivastava, Aviral & Tripathy, Rachana & Kumar, Lalit & Singh, Yashasvi & Kumar, Ujwal & Trivedi, Sameer &Sankhwar, S.. (2025). Efficacy in Using Urodynamic Parameters of Intravesical Electrical Stimulation for Detrusor Underactivity. Urology Research & Practice. 51. 82-83. 10.5152/tud.2024.0181.
366. Kumar, Lalit & Kumar, Surendra & Agarwal, Sakshi & Thakur, Anuja & Trivedi, Sameer. (2025). Laparoscopic Vesicovaginal Fistula Repair Using Kumar's Knotless Technique: Short-Term Experience From a Tertiary Care Center. Cureus. 17. 10.7759/cureus.82083.
367. Sinha, Sanjay & Trivedi, Sameer & Mittal, Ankur & Bora, Girdhar & Nayyar, Rishi & Vasudeva, Pawan & Patel, Anita & Bansal, Harbans & Madduri, Vijay & Kumar, Niraj & Mandal, Swarnendu& Kumar, Vikas & Jose, Sujith &Nelivigi, Girish &Elhence, Anil & Singh, Harprit. (2025). Clinical epidemiology of young men with lower urinary tract symptoms: The SciCOM 3 project. Indian Journal of Urology. 41. 137-144. 10.4103/iju.iju_429_24.
368. Tripathy, Rachana & Kumar, Lalit & Kural, Sukhad & Thakur, Anuja & Trivedi, Sameer &Sankhwar, Satya. (2025). The current status of miRNA in urinary bladder cancer: A minireview and strength, weakness, opportunity, and threat analysis. Indian Journal of Urology. 41. 98-103. 10.4103/iju.iju_442_24.
369. Thakur, Anuja & Kumar, Lalit & Agarwal, Sakshi & Tripathy, Rachana & Singh, Yashasvi & Trivedi, Sameer & Kumar, Ujwal. (2025). Assessing the clinical efficacy of neoadjuvant intravesical Mitomycin C in naïve non-muscle invasive urinary bladder cancer: A systematic review and meta-analysis. Current Problems in Cancer. 55. 101198. 10.1016/j.currproblcancer.2025.101198.
370. Trivedi, Sameer & Goel, Nitin & Pal, Harish & Reddy, Koti & M, Rinaldo & Nayak, Pradeep & Singh, Yashasvi & Kumar, Ujwal. (2025). Results of urethral reconstruction in neglected urethral foreign bodies with associated urethral strictures. Journal of Clinical Urology. 10.1177/20514158251315575.
371. Tripathy, Rachana & Kumar, Lalit & Agarwal, Sakshi & Thakur, Anuja & Khairnar, Mahesh & Trivedi, Sameer &Sankhwar, Satya. (2025). A comparison between intravesical gemcitabine plus docetaxel and intravesical BCG in the treatment of non-muscle invasive naive urinary bladder cancer: A systematic review and meta-analysis of oncological outcomes. Urology. 199. 10.1016/j.urology.2025.01.004.
372. Kural, Sukhad & Pathak, Abhay & Singh, Shweta & Jain, Garima & Yadav, Mahima & Agarwal, Sakshi & Kumar, Ishan & Gupta, Manjari & Singh, Yashasvi & Kumar, Ujwal & Trivedi, Sameer &Sankhwar, S & Das, Parimal & Kumar, Lalit. (2024). Prospective Assessment of VI-RADS with Muscle Invasion in Urinary Bladder Cancer and Its Implication on Re-Resection/Restaging TURBT Patients. Annals of surgical oncology. 32. 10.1245/s10434-024-16424-0.
373. Singh, Shweta & Pathak, Abhay & Kural, Sukhad & Kumar, Lalit & Bhardwaj, Madan & Yadav, Mahima & Trivedi, Sameer & Das, Parimal & Gupta, Manjari & Jain, Garima. (2024). miRNA Biomarkers in Prostate Cancer: Leveraging Machine Learning for Improved Diagnostic Accuracy. 10.1101/2024.10.25.618146.
374. PATNAIK, PRANAB & Trivedi, Sameer & SHAW, DEEPAK. (2024). ROLE OF COLOR DOPPLER ULTRASONOGRAPHIC PARAMETER AS A PREDICTOR OF SPERMATOGENESIS AND INFERTILITY. Asian Journal of Pharmaceutical and Clinical Research. 41-43. 10.22159/ajpcr.2024v17i7.51109.
375. Shukla, Pushpendra & Singh, Aditya & Trivedi, Sameer & Dwivedi, U. &Ramole, Yashpal & Khan, Faiz & Pandey, Manish. (2024). Role of lingual mucosa as a graft material in the surgical treatment of Peyronie's disease. Urology Annals. 16. 227-232. 10.4103/ua.ua_3_24.
376. Singh, Yashasvi & Barua, Sasanka& Singh, Vipendra& Trivedi, Sameer & Rajeev, T & Koti, Sridhar & Garg, Neha. (2024). Intratumoral Heterogeneity, Chemoresistance and Lymph Node Landing Zone Prognosis in Testicular Tumors Based on Histopathological Characteristics. Annals of surgical oncology. 31. 10.1245/s10434-024-15051-z.
377. Thakur, Anuja & Kumar, Lalit & Agarwal, Sakshi & Tripathy, Rachana & Singh, Yashasvi & Trivedi, Sameer & Kumar, Ujwal. (2025). Assessing the clinical efficacy of neoadjuvant intravesical Mitomycin C in naïve non-muscle invasive urinary bladder cancer: A systematic review and meta-analysis. Current Problems in Cancer. 55. 101198. 10.1016/j.currproblcancer.2025.101198.
378. Kmar, Anil &Sivastava, Aviral & Tripathy, Rachana & Kumar, Lalit & Singh, Yashasvi & Kumar, Ujwal & Trivedi, Sameer &Sankhwar, S.. (2025). Efficacy in Using Urodynamic Parameters of Intravesical Electrical Stimulation for Detrusor Underactivity. Urology Research & Practice. 51. 82-83. 10.5152/tud.2024.0181.
379. Thakur, Anuja & Kumar, Lalit & Agarwal, Sakshi & Tripathy, Rachana & Singh, Yashasvi & Trivedi, Sameer & Kumar, Ujwal. (2025). Assessing the clinical efficacy of neoadjuvant intravesical Mitomycin C in naïve non-muscle invasive urinary bladder cancer: A systematic review and meta-analysis. Current Problems in Cancer. 55. 101198. 10.1016/j.currproblcancer.2025.101198.
380. Trivedi, Sameer & Goel, Nitin & Pal, Harish & Reddy, Koti & M, Rinaldo & Nayak, Pradeep & Singh, Yashasvi & Kumar, Ujwal. (2025). Results of urethral reconstruction in neglected urethral foreign bodies with associated urethral strictures. Journal of Clinical Urology. 10.1177/20514158251315575.
381. Kural, Sukhad & Pathak, Abhay & Singh, Shweta & Jain, Garima & Yadav, Mahima & Agarwal, Sakshi & Kumar, Ishan & Gupta, Manjari & Singh, Yashasvi & Kumar, Ujwal & Trivedi, Sameer &Sankhwar, S & Das, Parimal & Kumar, Lalit. (2024). Prospective Assessment of VI-RADS with Muscle Invasion in Urinary Bladder Cancer and Its Implication on Re-Resection/Restaging TURBT Patients. Annals of surgical oncology. 32. 10.1245/s10434-024-16424-0.
382. Agrawal S, Pandey Y, Kumar I, Kumar L. A Tertiary Center Case Series On Postpartum Rectus Sheath Hematoma: An Unveiled Identity. Cureus. 2024 Apr 24;16(4):E58903. Doi: 10.7759/Cureus.58903. Pmid: 38800177; Pmcid: Pmc11117439
383. Kural S, Jain G, Agarwal S, Das P, Kumar L. Urinary Extracellular Vesicles-Encapsulated Mirna Signatures: A New Paradigm For Urinary Bladder Cancer Diagnosis And Classification. Urol Oncol. 2024 Jul;42(7):179-190. Doi: 10.1016/J.Urolonc.2024.03.006. Epub 2024 Apr 8. Pmid: 38594151.
384. Pathak, A.K., Kural, S., Singh, S. Et Al. Development OfA Robust And Generalizable Algorithm "Gquant" For Accurate Normalizer Gene Selection InQrt-Pcr Analysis. Sci Rep 14, 18774 (2024). Https://Doi.Org/10.1038/S41598-024-66770-Y
385. Kural S, Pathak Ak, Singh S, Et Al. Prospective Assessment Of Vi-Rads With Muscle Invasion InUrinary Bladder Cancer And Its Implication On Re-Resection/Restage Turbt Patients. Annals SurgicalOncology. (2024). Https://Doi.Org/10.1245/S10434-024-16424-0
386. Kural S, Kumar L. Aso Author Reflections: Reevaluating Muscle Invasion In Bladder Cancer: The Role Of Vi-Rads In Guiding Re-Resections/ Re-Stage Turbt. Ann Surg Oncol. 2024 Nov 11. Doi: 10.1245/S10434-024-16475-3. Epub Ahead Of Print. Pmid: 39527156.
387. Tripathy R, Kumar L, Agarwal S, Thakur A, Khairnar M, Trivedi S, Sankhwar Sn. A Comparison Between Intravesical

Gemcitabine Plus Docetaxel And Intravesical Bacillus Calmette-Guérin InThe Treatment OfNonmuscle Invasive Naive Urinary Bladder Cancer: A Systematic Review And Meta-Analysis Of Oncological Outcomes. Urology. 2025 Jan 9:S0090-4295(25)00006-8. Doi: 10.1016/J.Urology.2025.01.004.

388. Amrit Chattopadhaya, Sukhad Kural, Ashish Verma, Priyamvada Gupta, Harshita Tiwari, Swati Singh, Anuja Thakur, Rajiv Kumar, Satya Narayan Sankhwar, Santosh Kumar Singh, Sakshi Agarwal, Sanjana Mehrotra, Vibhav Gautam, Lalit Kumar, Urinary MirnasIn Bladder Cancer, Clinica Chimica Acta, Volume 567, 2025, 120113.https://doi.org/10.1016/j.cca.2024.120113
389. Tripathy R, Kumar L, Kural S, Thakur A, Trivedi S, Sankhwar SN. The current status of miRNA in urinary bladder cancer: A minireview and strength, weakness, opportunity, and threat analysis. Indian J Urol. 2025 Apr-Jun;41(2):98-103. doi: 10.4103/iju.iju_442_24. https://doi.org/10.1245/s10434-024-16424-0
390. Kumar, Lalit1; Nayyar, Rishi2; Nayak, Brusabhanu2; Singh, Prabhjot2; Kumar, Rajeev2; Seth, Amlesh2. Pyeloplasty For Pelviureteric Junction Obstruction In Anomalous Kidneys: A Long-Term Follow-Up Experience AtA Tertiary Care Centre. Journal Of Minimal Access Surgery ():10.4103/Jmas.Jmas_79_24, November 29, 2024. | Doi: 10.4103/Jmas.Jmas_79_24
391. Thakur A, Kumar L, Agarwal S, Tripathy R, Singh Y, Trivedi S, Kumar U. Assessing The Clinical Efficacy Of Neoadjuvant Intravesical Mitomycin C In Naïve Non-Muscle Invasive Urinary Bladder Cancer: A Systematic Review And Meta-Analysis. Curr Probl Cancer. 2025 Apr;55:101198. Doi: 10.1016
392. Agarwal S, Thakur A, Kumar L, Das A, Kumari A, Singh TB. Prevalence of urinary symptoms among adolescents and young females in Eastern Uttar Pradesh. J Family Med Prim Care 2025;14:1465-71.
393. Kumar L, Kumar S, Agarwal S, et al. (April 11, 2025) Laparoscopic Vesicovaginal Fistula Repair Using Kumar's Knotless Technique: Short-Term Experience From a Tertiary Care Center. Cureus 17(4): e82083. doi:10.7759/cureus.82083.
394. Kmar A, Sivastava A, Tripathy R, et al. Efficacy in using urodynamic parameters of intravesical electrical stimulation for detrusor underactivity. Urol Res Pract. 2025;51(2):82-83.
395. Agarwal S, Sharma A, Kumar L, et al. (June 12, 2025) Psychological Assessment of Infertile Females in Eastern Uttar Pradesh: A Cross-Sectional Evaluation. Cureus 17(6): e85862. DOI 10.7759/cureus.85862.
396. Kumar L, Thakur A, Agarwal S, Khairnar M, Trivedi S, Shankhwar SN. Buccal versus Vaginal Graft Urethroplasty in Female Urethral Stricture: A Systematic Review and Meta-Analysis. Int Urogynecol J. 2025 Jun 12. doi: 10.1007/s00192-025-06171-5.
397. Thakur A, Kumar L. Reply to editor comment on "A Comparison Between Intravesical Gemcitabine Plus Docetaxel and Intravesical Bacillus Calmette-Guérin in the Treatment of Nonmuscle Invasive Naive Urinary Bladder Cancer: A Systematic Review and Meta-analysis of Oncological Outcomes". Urology. 2025 Jun 16:S0090-4295(25)00600-4. doi: 10.1016/j.urology.2025.06.027.
398. Babu R, Kumar L, Singh A, Pandey V, Agarwal S, Kumar A, Prasad R, Abinay A, Singh S. Assessment of Short-Term Outcomes in Children with Chronic Kidney Disease: Cohort Study. Indian J Pediatr. 2025 May 20. doi: 10.1007/s12098-025-05578-8.
399. Agarwal S, Rai S, Kumar L, Gupta A. Optimizing Outcomes in Laparoscopic Hysterectomy: An Analysis of Complications, Management Techniques, and Lessons Learned From Our Clinical Experience. Cureus. 2025 May 7;17(5):e83636. doi: 10.7759/cureus.83636.
400. Verma A, Chattopadhaya A, Gupta P, Tiwari H, Singh S, Kumar L, Gautam V. Integration of Hyphenated Techniques for Characterizing and Chemical Profiling of Natural Products. Chem Biodivers. 2025 Apr 21:e202500234. doi: 10.1002/cbdv.202500234.
401. 'Medicinal Compounds in Modern Healthcare From Tradition to Innovation," published by CRC Press (Taylor and Francis); ISBN: 9781032962573, In Press; (https://www.routledge.com/Medicinal-Compounds-in-Modern-Healthcare-From-Tradition-to-Innovation/Gautam-Gautam-Pathak-Kumar/p/book/9781032962573)
402. Kumar, Lalit; Baliyan, Anil; Srivastava, Aviral; Thakur, Anuja; Trivedi, Sameer. A cost-effective modified split graft technique using bovine pericardium after plaque excision in Peyronie's disease - An initial experience. Urology Annals 17(3):p 186-191, Jul–Sep 2025. | DOI: 10.4103/ua.ua_5_25.
403. Shukla PK, Singh AK, Trivedi S, Dwivedi US, Ramole Y, Khan FA, et al. Role of lingual mucosa as a graft material in the surgical treatment of Peyronie's disease. Urol Ann 2024;16:227-32.
404. Pranab Patnaik , Sameer Trivedi, Deepak Shaw. Role of color doppler ultrasonographic parameter as a predictor of spermatogenesis and infertility. Asian J Pharm Clin Res, Vol 17, Issue 7, 2024, 41-43.
405. Verma, R., Kailashiya, J., Mukherjee, A., Chaurasia, R.N. &Dash, D. (2025)Front. Cell Dev. Biol.13: 1534235 (DOI: 10.3389/fcell.2025.1534235) (Prion protein fragment (106–126) activates NLRP3 inflammasome and promotes platelet-monocyte/neutrophil interactions, potentially contributing to an inflammatory state) (Impact Factor: 6.081)
406. Dev, P., Ekhlak, M., Yadav, A., Dash, D. & Pathak, A. (2025) SN Compr. Clin. Med. 7: 128 (DOI:10.1007/s42399-025-01867-7) (PlateletHyperactivity in Patients of Vascular Dementia)
407. Singh, P., Kumari, S., Chakravortty, H., Pandey, A., Dash, D. & Singh, S. (2025) Bioorg. Chem., 154, 107970 (DOI: 10.1016/j.bioorg.2024.107970) (In vivo, in vitro, and in silico approaches in the detailed study of di-butyl phthalate (DBP), a plasticizer-induced lung fibrosis via Nrf-2/Keap-1/HO-1 pathway and its regulation) (Impact Factor: 4.5)
408. Dash, D. (2024) Arterioscl. Thromb. Vasc. Biol. 44: 417-418 (DOI: 10.1161/ATVBAHA.123.320355) (New dimension to study on platelet bioenergetics) (Impact Factor: 8.7)
409. Singh, N., Kulkarni, P.P., Tripathi, T., Agrawal, V. &Dash, D. (2024) Nanoscale Adv. 6: 1497-1506(DOI: 10.1039/d3na00751k) (Nanogold-coated stent facilitated non-invasive photothermal ablation of stent thrombosis and restoration of blood flow) (Impact Factor: 4.7)
410. Kulkarni, P.P., Ekhlak, M. &Dash, D. (2024) Cell Commun. Signal.22: 13(DOI: 10.1186/s12964-023-01448-y) (Non-canonical non-genomic morphogen signaling in anucleate platelets: a critical determinant of prothrombotic function in circulation) (Impact Factor: 8.4)
411. Surtani, S., Kailashiya, J., Ansari, M.A., Dash, D., Yadav, A.K. & Kumar, A. (2024) Microvascular Res. 152: 104642 (DOI: 10.1016/j.mvr.2023.104642)(Platelet functions in lymphatic filariasis patients) (Impact Factor: 3.1)
412. Priya, V., Samridhi, Singh, N., Dash, D.& Muthu, M.S. (2024) Mol. Pharmaceutics, 21: 283-302 (DOI: 10.1021/acs.molpharmaceut.3c00830) (Nattokinase encapsulated nanomedicine for targeted thrombolysis: development, improved in vivo thrombolytic effects, and ultrasound/photoacoustic imaging) (Impact Factor: 4.9)
413. Biswas, K., Chaurasia, S.N. &Dash, D.(2024)Cureus, 16: e59547 (DOI: 10.7759/cureus.59547) (An Investigation of Size Distribution and Calcium Signaling in Human Platelets) (Impact Factor: 1.2)
414. Kumari, S, Singh, P., Dash, D& Singh, R. (2024) Mitochondrion, 78: 101943 (DOI: https://doi.org/10.1016/j.mito.2024.101943) (Understanding the molecular basis of the anti-fibrotic potential of Intranasal Curcumin and its association with mitochondrial homeostasis in Silica-exposed mice) (Impact Factor: 3.9)
415. R Giri K, M Palandurkar K, Prakash V, Singh A, Trigunayat A. In vivo analysis of puerarin from Pueraria tuberosa as a promising galactagogue. Bioinformation. 2024 Nov 30;20(11):1574-1581. doi: 10.6026/9732063002001574. PMID: 40162455; PMCID: PMC11953538.
416. Harde M, Lakade S, Wasnik U, Wakade S, Doifode K, Palandurkar K, Joshi S, Ingole L. ICH Guideline in Practice for Quantification of Ruxolitinib by applying Validated RP-HPLC Method on Commercial Tablet Formulation. Research Journal of Pharmacy and Technology. 2024 Nov 1;17(11):5242-6.
417. Giri, K.R., Palandurkar, K., Trigunayat, A., Giri, R. (2024). Reverse Pharmacology: Transdisciplinary Approach of Drug Discovery from Ethnomedicine. In: Das Talukdar, A., Patra, J.K., Das, G., Nath, D. (eds) Traditional Resources and Tools for Modern Drug Discovery. Interdisciplinary Biotechnological Advances. Springer, Singapore. https://doi.org/10.1007/978-981-97-4600-2_10
418. Evidence in Reaching Consensus in Usage of Mandibular Advancement Device for Pre-and Post-obstructive Sleep Apnea Treatment with Blood and Salivary Inflammatory Biomarkers Profiles TP Chaturvedi, P Priyadarshani, VK Sharma, I Shrivastava, D Singh, ... Sleep and Vigilance 8 (2), 329-335 2024
419. Unravelling the Significance of NLRP3 and IL-β1 in Oral Squamous Cell Carcinoma and Potentially Malignant Oral Disorders: A Diagnostic and Prognostic Exploration T Jain, A Chandra, SP Mishra, M Khairnar, S Rajoria, R Maheswari, ... Head and Neck Pathology 18 (1), 77 3 2024
420. Markers of oxidative stress in children with iron deficiency anemia K Yadav, OP Mishra, K Khandhadiya, SP Mishra, A Mishra, A Singh, ... Pediatric Hematology Oncology Journal 9 (1), 9-14 11, 2024
421. Navigating the uncommon: a comprehensive case study of multiple gastroduodenal neuroendocrine tumor M Kumar, SK Gupta, R Khanna, RN Meena, SP Mishra 2024
422. Acute response to hematological biomarkers in athletes after a short-term high-intensity exercise: A cross-sectional study J Singh, PS Chahar, SK Singh, SP Mishra, A Meena, R Kumar National Journal of Physiology, Pharmacy and Pharmacology 14 (9), 1739-1743 2 2024
423. Comparative evaluation of mucin and total protein in periodontal disease before and after nonsurgical periodontal therapy JP Vishnu, A Gautam, SP Mishra, F Durrani, F Imran, E Kumari Journal of Indian Society of Periodontology 28 (1), 84-90 2024
424. Parihar, Sarita; Singh, Preeti; Srivastava, Ragini1; Srivastava, Atul1; Imran, Fouzia; Vishnu, JP. Comparative evaluation of salivary, serum, and GCF alkaline phosphatase levels in chronic periodontitis patients before and after nonsurgical periodontal therapy: A clinico-biochemical study. National Journal of Maxillofacial Surgery 15(2):p 262-267, May–Aug 2024. | DOI: 10.4103/njms.njms_53_23
425. Kailashiya V, Singh U, Kailashiya J. Associations between serum autoantibodies, cytokines, complements, and clinical manifestations in SLE patients. Avicenna J Med Biochem. 2024; 12(2):106-113. doi:10.34172/ajmb.2538
426. Surtani S, Kailashiya J, Ansari MA, Dash D, Yadav AK, Kumar A. Platelet functions in lymphatic filariasis patients. Microvascular research. 2024 Mar;152:104642.
427. Madhukar, P., Kesarwani, R., Pandey, S., Singh, V. K., Rao Gedda, M., Singh, O. P., Shaz, M., Kumar, R., & Sundar, S. (2025). Amine-Functionalized Graphene Quantum Dots Conjugated with Amphotericin B: Synthesis, Characterization, and In Vitro Evaluation for Visceral Leishmaniasis Treatment. ACS Omega, 10(25), 26627–26638. https://doi.org/10.1021/acsomega.5c00879
428. Sundar, S., Alves, F., Ritmeijer, K., den Boer, M., Forsyth, C., Hughes, B., Zamble, C., Carter, K., & Angyalosi, G. (2025). Patient insights research exploring disease awareness, patient life experience, and current management of visceral leishmaniasis in Bihar, India. PLoS Neglected Tropical Diseases, 19(2), e0012326. https://doi.org/10.1371/journal.pntd.0012326
429. Roy, R., Hudachek, C. L., Bhushan Chauhan, S., Kumar, S., Kumar, A., Zhanbolat, B., Rai, M., Kumar, R., Sundar, S., & Wilson, M. E. (2025). The circulating plasma microRNA signature in human visceral leishmaniasis. mSphere, 10(2), e0064624. https://doi.org/10.1128/msphere.00646-24
430. Mehrotra, S., Tiwari, R., Kumar, R., & Sundar, S. (2025). Advances and Challenges in the Diagnosis of Leishmaniasis. Molecular Diagnosis & Therapy, 29(2), 195–212. https://doi.org/10.1007/s40291-024-00762-6
431. Tiwari, R., Kumar, A., Singh, V. K., Rajneesh, Chauhan, S. B., Sundar, S., Nylén, S., Engwerda, C., & Kumar, R. (2024). The development and maintenance of immunity against visceral leishmaniasis. Frontiers in Immunology, 15, 1486407. https://doi.org/10.3389/fimmu.2024.1486407
432. Singh, V. K., Tiwari, R., Rajneesh, Kumar, A., Chauhan, S. B., Sudarshan, M., Mehrotra, S., Gautam, V., Sundar, S., & Kumar, R. (2025). Advancing Treatment for Leishmaniasis: From Overcoming Challenges to Embracing Therapeutic Innovations. ACS Infectious Diseases, 11(1), 47–68. https://doi.org/10.1021/acsinfecdis.4c00693
433. Kumar, K., Banerjee, S., Sanivarapu, H., Veronica, J., Namdeo, M., Anand, A., Sundar, S., Swamy, M. J., & Maurya, R. (2025). Characterization of differentially regulated carboxypeptidase (metallopeptidase M32) protein in Miltefosine resistant Leishmania donovani parasites. International Journal of Biological Macromolecules, 289, 138648. https://doi.org/10.1016/j.ijbiomac.2024.138648
434. Sundar, S., Madhukar, P., & Kumar, R. (2025). Anti-leishmanial therapies: overcoming current challenges with emerging therapies. Expert Review of Anti-infective Therapy, 23(2-4), 159–180. https://doi.org/10.1080/14787210.2024.2438627
435. Chaubey, R., Shukla, A., Kushwaha, A. K., Singh, S. K., Singh, O. P., Kumar, R., Lawyer, P., Rowton, E., Petersen, C. A., Bernhardt, S. A., & Sundar, S. (2024). Monitoring alpha-cypermethrin susceptibility of Phlebotomus argentipes, the vector of visceral leishmaniasis in India, using the CDC bottle bioassay. Parasites & Vectors, 17(1), 503. https://doi.org/10.1186/s13071 024-06579-w

436. Chaubey, M., Chakravarty, J., Gupta, R., Jethwani, P., Puri, R., & Sundar, S. (2024). Evaluation of Cardiovascular Risk Profile and Risk Scores of Antiretroviral Therapy-naïve HIV Patients in Eastern India. Journal of Global Infectious Diseases, 16(3), 104–110. https://doi.org/10.4103/jgid.jgid_29_24
437. Chhabra, L., Pandey, R. K., Kumar, R., Sundar, S., & Mehrotra, S. (2025). Navigating the Roadblocks: Progress and Challenges in Cell-Based 2 BHU Annual Report Proforma 2024-25 Therapies for Human Immunodeficiency Virus. Journal of Cellular Biochemistry, 126(1), e30669. https://doi.org/10.1002/jcb.30669
438. Rai, T. K., Chakravarty, J., Kashyap, S., Chatterjee, S., Tiwari, V. D., Rai, U. G., Gangwar, M., Sundar, S., & Nath, G. (2024). Etiology of Acute Encephalitis Syndrome in Adults in a Tertiary Care Center in Eastern Uttar Pradesh. American Journal of Tropical Medicine and Hygiene, 112(1), 194 199. https://doi.org/10.4269/ajtmh.24-0118
439. Sundar, S., Singh, V. K., Agrawal, N., Singh, O. P., & Kumar, R. (2024). Investigational new drugs for the treatment of leishmaniasis. Expert Opinion on Investigational Drugs, 33(10), 1029–1046. https://doi.org/10.1080/13543784.2024.2400139
440. Cloots, K., Singh, O. P., Singh, A. K., Rai, T. K., Tiwari, V. D., Neyaz, A., Pandey, S., Scholar, V. K., Malaviya, P., Hasker, E., & Sundar, S. (2024). Monitoring of Leishmania transmission in the postelimination phase: The potential of serological surveys. International Journal of Infectious Diseases, 147, 107153. https://doi.org/10.1016/j.ijid.2024.107153
441. Sundar, S., & Chakravarty, J. (2024). Recent Advances in the Treatment of Leishmaniasis. The Pediatric Infectious Disease Journal, 43(9), e310-e313. https://doi.org/10.1097/INF.0000000000044291
442. Sundar, S., Pandey, K., Mondal, D.,2 Madhukar, M., Kamal Topno, R., Kumar, A., Kumar Verma, D., Chakravarty, J., Chaubey, R., Kumari, P., Rashid, M. U., Maruf, S., Ghosh, P., Raja, S., Rode, J., den Boer, M., Das, P., Alvar, J., Rijal, S., & Alves, F. (2024). A phase II, non-comparative randomised trial of two treatments involving liposomal amphotericin B and miltefosine for post kala-azar dermal leishmaniasis in India and Bangladesh. PLoS Neglected Tropical Diseases, 18(6), e0012242. https://doi.org/10.1371/journal.pntd.0012242
443. Sundar, S., Chakravarty, J., Singh, J., Verma, D., Agrawal, N., & Dinkar, A. (2024). Amphotericin B Deoxycholate Treatment of Post-Kala-Azar Dermal Leishmaniasis in India. American Journal of Tropical Medicine and Hygiene, 111(1), 59–63. https://doi.org/10.4269/ajtmh.23-0738
444. Kumar, A., Singh, V. K., Madhukar, P., Tiwari, R., Roy, R., Rajneesh, Mehrotra, S., Sundar, S., & Kumar, R. (2024). Evaluation of blood based quantitative PCR as a molecular diagnostic tool for post kala-azar dermal leishmaniasis (PKDL). Molecular Biology Reports, 51(1), 716. https://doi.org/10.1007/s11033-024-09640-0
445. Palić, S., Chu, W. Y., Sundar, S., Mondal, D., Das, P., Pandey, K., Raja, S., Rijal, S., Roseboom, I. C., Hamadeh, A., Malik, P. R. V., Beijnen, J. H., Huitema, A. D. R., Sjögren, E., Alves, F., & Dorlo, T. P. C. (2024). Skin pharmacokinetics of miltefosine in the treatment of post-kala-azar dermal leishmaniasis in South Asia. Journal of Antimicrobial Chemotherapy, 79(7), 1547–1554. https://doi.org/10.1093/jac/dkae129
446. Kausar, G., Chauhan, S. B., Roy, R., Kumar, S., Engwerda, C., Nylen, S., Kumar, R., Wilson, M. E., & Sundar, S. (2024). Apolipoprotein E Is Upregulated in Blood and Circulating Monocytes of Indian Patients With Visceral Leishmaniasis. Parasite Immunology, 46(5), e13036. https://doi.org/10.1111/pim.13036
447. Singh, O. P., Chaubey, R., Kushwaha, A. K., Fay, M. P., Sacks, D., & Sundar, S. (2024). Visceral Leishmaniasis-Human Immunodeficiency Virus-Coinfected Patients Are Highly Infectious to Sandflies in an Endemic Area in India. The Journal of Infectious Diseases, 229(6), 1909–1912. https://doi.org/10.1093/infdis/jiae156
448. Singh, J., Bhavya, J., Dinkar, A., Kumar, N., Kumar Kailash, & Singh, S. K. (2024). Spontaneous Intracranial Hemorrhage and Acute Respiratory Distress Syndrome Associated with Dengue: A Case Report. Infectious Disorders-Drug BHU Annual Report Proforma 2024-25 3 Targets, 24(3), e021123223085. https://doi.org/10.2174/0118715265186320231025172947
449. Singh, J., Dinkar, A., Kumar, N., Kumar Kailash, & Tejan, N. (2024). Digital Gangrene Associated with Scrub Typhus: A Case Series. American Journal of Tropical Medicine and Hygiene, 110(3), 497–500. https://doi.org/10.4269/ajtmh.23-0596
450. Singh, J., Sinha, A., Dinkar, A., Kumar, N., & Kumar Kailash. (2024). Case Report and Review of the Literature: Ischemic Stroke in Dengue Virus Infection. American Journal of Tropical Medicine and Hygiene, 111(3), 606 609. https://doi.org/10.4269/ajtmh.24-0010
451. Dinkar, A., Singh, J., Kumar, N., Kumar Kailash, & Singh, S. K. (2024). Dengue-Related Hemophagocytic Lymphohistiocytosis in an Adult: A Case Report and Brief Update. Avicenna Journal of Medicine, 14(3), 175–178. https://doi.org/10.1055/s-0044-1788687
452. Singh, J., Dinkar, A., Kumar, N., Kumar Kailash, & Vikrant. (2024). Dengue Fever Related Reactive Thrombocytosis in Young Male: A Case Report and Review Literature. Cardiovascular & Hematological Disorders-Drug Targets, 24(3), 196–199. https://doi.org/10.2174/011871529X325967240916075554
453. Singh, J., Kumar, N., Kumar, K., & Dinkar, A. (2025). Bullous hemorrhagic dermatosis following unfractionated heparin therapy. Indian Journal of Pharmacology, 57(4), 276–278. https://doi.org/10.4103/ijp.ijp_821_23
454. Singh, J., Kumar, N., Borkotoky, A., Kumar, K., Verma, S., Dinkar, A., & Yadav, D. P. (2025). Tuberculous Broncho-Esophageal Fistula in an Adult Male: A Rare Case Managed Conservatively. Infectious Disorders-Drug Targets. Advance online publication. https://doi.org/10.2174/0118715265371254250519044856
455. Yadav, U., Kumar, N., & Sarvottam, K. (2025). Obese have comparable ankle brachial pressure index but higher β-cell function and insulin resistance as compared to normal-weight type 2 diabetes mellitus patients. Acta Diabetologica, 62(4), 543–550. https://doi.org/10.1007/s00592-024-02379-x
456. Singh, J., Sinha, A., Kumar, N., Kumar, K., Dinkar, A., & Daga, R. (2025). Longitudinally Extensive Transverse Myelitis (LETM) and Meningoencephalitis Following Acute Epstein-barr Virus Infection in an Immunocompetent Male: Case Report and Review Literature. Infectious Disorders-Drug Targets. Advance online publication. https://doi.org/10.2174/0118715265341027250306080255
457. Singh, J., Dinkar, A., Kumar, N., Kumar, K., & Atam, I. (2025). Bilateral Periorbital Erythema and Swelling as an Initial Presentation of Systemic Lupus Erythematosus: A Rare Case. Current Rheumatology Reviews. Advance online publication. https://doi.org/10.2174/0115733971381153250418075039
458. Kumar, K., Daga, R., Singh, J., Kumar, N., & Dinkar, A. (2025). Diagnostic Challenges of Polyneuropathy, Organomegaly, Endocrinopathy, M-protein, and Skin Changes (POEMS) Syndrome: A Rare Case Report and Review of the Literature. Cardiovascular & Hematological Disorders-Drug Targets. Advance online publication. https://doi.org/10.2174/011871529X352283250305042317
459. Pandey, A., Tejerao Naik, B., Uday, R., & Channabasappa, S. (2024). Time in-Range With Insulin Versus Metformin in Gestational Diabetes Mellitus Using Continuous Glucose Monitoring: A Randomized Control Study at a Tertiary Care Centre in South India. Cureus, 16(6), e61849. https://doi.org/10.7759/cureus.61849
460. Naik, B., Pandey, A., Dasgupta, R., & Shivaprasad, C. (2024). Cardiac Autonomic Neuropathy in Diabetic Peripheral Neuropathy. Cureus, 16(8), e67777. https://doi.org/10.7759/cureus.67777 BHU Annual Report Proforma 2024-25 4
461. Pandey, A., Arora, D., Singh, A., & Meena, L. P. (2024). Cold Agglutinin Disease: A Rare Paraneoplastic Manifestation of a Thyroid Malignancy. Cureus, 16(8), e67924. https://doi.org/10.7759/cureus.67924
462. Singh, I., Gautam, D., Singh, S., & et al. (2024). Polyarticular Juvenile Idiopathic Arthritis Leading to Renal Amyloidosis. National Board of Examinations - Journal of Medical Sciences, 2(10), 1038–1042. https://doi.org/10.61770/NBEJMS.2024.v02.i10.009
463. Soni, M., Jha, M. K., Banjare, U., Yadav, A., Upadhyay, P. S., Gautam, D. K., & Dwivedy, A. K. (2025). Aromatherapy in combating human pathogens and diseases: Impact and prospects. Journal of Essential Oil Bearing Plants, 28(3), 441–470. https://doi.org/10.1080/0972060X.2025.2515556
464. Priya, K., Thacker, H., Chaubey, M., Rai, M., Singh, S., Rawat, S., Giri, K., Mohanty, S., & Rai, G. (2024). Dexamethasone and IFN-γ primed mesenchymal stem cells conditioned media immunomodulates aberrant NETosis in SLE via PGE2 and IDO. Frontiers in Immunology, 15, 1461841. https://doi.org/10.3389/fimmu.2024.1461841
465. Chaubey, M., Meena, K., Singh, T., Reddy, S., Raj, R., Chaudhary, A., Mishra, V., & Chakravarty, J. (2024). Neurosarcoidosis: An under-diagnosed cause of myelopathy. Journal of Family Medicine and Primary Care, 13(5), 2157–2160. https://doi.org/10.4103/jfmpc.jfmpc_987_23
466. Priya, K., Rawat, S., Das, D., Chaubey, M., Thacker, H., Giri, K., Singh, S., Rai, M., Mohanty, S., & Rai, G. (2025). Autoimmunity and clinical pathology amelioration in SLE by dexamethasone primed mesenchymal stem cell derived conditioned media. Stem Cell Research & Therapy, 16(1), 158. https://doi.org/10.1186/s13287-025-04208-6
467. Mishra, V., Chaubey, M., Gupta, M. K., Kumar, V., & Chakravarty, J. (2024). Gastrointestinal mucormycosis presenting as melena in a patient with severe COVID 19. Journal of Gastrointestinal and Liver Diseases, 33(2), 282–284. https://doi.org/10.15403/jgld-5302

Faculty of Ayurveda

Department of Kaya Chikitsa

Research Papers and Articles

1. Agrawal, K., Pandey, A., Prasad, R. (2024). A Clinical Evaluation of AmritadiChurna and Satavavajaya Chikitsa in the Management of Amavata with Special Reference to Rheumatoid Arthritis, Journal of Pharma and Ayurved Research; June, 4 (1), 2582-8428, 31-52
2. Kumar, S., Pandey, A., Prasad, R., Singh, A. K., Yadav, P. (2024). A comparative study to assess the treatment cost of ayurvedic medicine (Ginger and Castor oil) and modern medicine (DMARDS) in Amavata (rheumatoid arthritis), International Journal of Ayurveda and Pharma Research; June, https://doi.org/10.47070/ijapr.v12i6.3282 12(6), 2322 - 0902 (P) 2322 - 0910 (O) ,111-118
3. Kumar, S., Pandey, A., Prasad, R., Singh, A. K., Yadav, P. (2024). Efficacy and Safety of Conventional Synthetic Disease Modifying Anti-Rheumatic Drugs (DMARDs) on the treatment of Rheumatoid Arthritis, Indian Journal of Preventive Social medicine; 55(4), 0310-1216, 259-265.
4. Pandey N, Gautam V L, Prasad R, (2025) Millets as a powerhouse of nutrients, plausible health benefits and its Challenges: a review,International Journal of Science Academic Research. 06(03), 2582-6425, 9605-9610
5. Khare, P., Pandit, S., &Murthy, K. H. H. V. S. S. (2024). Remedy of Anxiety Neurosis by practicing Nâdayoga Meditation: A common therapy through using the potentials of Ayurveda, Music & Yoga. Anahada Loka, 10(19), ISSN: 2349-137X.
6. Khare, P., &Murthy, K. H. H. V. S. S. (2024).ConceptOf Micro Farming in Nadayoga Practice - A Yogic Idea for Connecting Inner Nature to Soil. Pratyabhijna.11 (1), 79-89. ISSN 2349-5588
7. Shraddha, S., Pranav, Kumar, R., &Murthy, K. H. H. V. S. S. (n.d.). Bharat Mein Gramin Parivesh Ki Mahilavon Ke Swasthya Par Poshan Ke Jagarukta Aur uskeSakaratmak Prabhav Ka ek Adhyayan. Alochana Journal, 13(10), ISSN NO:2231-6329.
8. Maurya, A., Tripathi, V., Pandey, K. K., Yadav, V. S., Kumar, M., Mishra, P. K., Chaudhary, N., Murthy, K. N., & Kumar, R. (2024). Development, validation, and feasibility of Yogic Practices for Low Backache (LBA) with Mental stress. African Journal of Biomedical Research.27(4s), 6853-6859https://doi.org/10.53555/ajbr.v27i4s.4888
9. Raj, A., Kumar, R., Shrivastava, S., Murthy, K. N., Yadav, V. S., Kumar, M., & Maurya, A. (2024). Deviance in Indian Society: A sociological analysis and Ayurvedic principles for checking deviance. African Journal of Biomedical Research. 27(4s), 10303 -10307https://doi.org/10.53555/ajbr.v27i4s.5388
10. Pai, S. S., &Murthy, K. H. H. V. S. S. (2024). Therapeutic efficacy of Vajigandhadi Taila Matra Basti in the management of Gridhrasi (Sciatica). African Journal of Biomedical Research. 27(4s). 11767-11772https://doi.org/10.53555/ajbr.v27i4s.5988
11. Anjali, Kushwaha. R., Kumar. R., Singh O.P., Murthy, K. H. H. V. S. S,Yadav, V. S., Kumar, M., & Maurya, A. (2024). Evaluating the Effectiveness of Yoga as a Complementary Therapy for Diabetes Management. African Journal of Biomedical Research. 27(4s). 9596 - 9601
12. DOI: https://doi.org/10.53555/AJBR.v27i4S.5389
13. Shrilata, Murthy, K. H. H. V. S. S, & Tripathi, J. S. (Eds.). (2024). Potential Yogic Intervention InKaphaja Unmada (Depressive Disorder): An Overview. The Yoga Review, 13(1–2): 43-54.
14. Jain, R., Murthy, K. H. H. V. S. S., Abhinav, Mishra, A. K., & Tripathi, J. S. (Eds.). (2024). Specialized Yogic practices in Geriatric population: An Overview. The Yoga Review, 13(1–2): 60-66.
15. Singh, D., &Tripathi, J. S. (2024). Exploring the Integrating the Principles of Sattvavajaya Chikitsa into Contemporary Mental

Health Care. International Journal of Interdisciplinary Approaches in Psychology, 2(7), ISSN: 2584-0142: 150-164
16. Paijwar P, Awasthi HH, Gautam VL, Mishra D and Tripathi, J S. (2024). Effect of Selected Yogic Asanas on Lumbar Spondylosis: A Systematic Review. J Ortho Bone Disord, 8(1): 000256
17. Raj, A., &Tripathi, J. S. (2024). Rational Emotive Behaviour Therapy: Principles, Applications and Potential in the Indian Context. International Journal of Interdisciplinary Approaches in Psychology, 2(7), ISSN: 2584-0142: 1-29
18. Raj, A., &Tripathi, J. S. (2024). Integrating Jacobson Relaxation Technique into Indian Societal Frameworks for Holistic Stress Reduction. International Journal of Interdisciplinary Approaches in Psychology, 2(4), ISSN: 2584-0142: 53-84.
19. Kumari, P., Vijay, M., &Tripathi, J. S. (2024). Alleviating Mixed Anxiety Depressive Disorder Through Yoga Nidra: A Holistic Approach. Eastern Scientist, 27–28(2,3), ISSN:2581-7884: 86-92.
20. Shrilata, Murthy, K. H. H. V. S. S, &Tripathi, J. S. (Eds.). (2024). Potential Yogic Intervention InKaphaja Unmada (Depressive Disorder): An Overview. The Yoga Review, 13(1–2): 43-54.
21. Tiwari, R &Tripathi, J. S. (Eds.). (2024). Psycho-Neuro-Immuno-Endocrinological Perspectives of Ajna Chakra and Managing Depression through its activation. The Yoga Review, 13(1–2): 28-32.
22. Jain, R., Murthy, K. H. H. V. S. S., Abhinav, Mishra, A. K., &Tripathi, J. S. (Eds.). (2024). Specialized Yogic practices in Geriatric population: An Overview. The Yoga Review, 13(1–2): 60-66.
23. Kumari, P., Pandey, H., &Tripathi, J. S. (2024). Yog Nidra Ke Vaigyanik Aayam EvumSwasthyonnayak Prabhav. The Yoga Review, 13(1–2): 33-36.
24. Divya, Shrilata, &Tripathi, J. S. (2025). An Appraisal OfThe Therapeutic Application OfPanchagavyaGhritaIn Fostering Cognitive Functions In Cerebral Palsy. Journal of Vishwa Ayurved Parishad, 1(1), ISSN 0976-8300.
25. Shrilata, Sanath Kumar, T., &Tripathi, J. S. (2025). Journal of Vishwa Ayurved Parishad. Microcosm To Macrocosm Continuum: The Ayurvedic Approach To Environment & Health Equilibrium, 6(6), ISSN 0976-8300: 35-52.
26. Pandey, A. K., &Singh, O. P. (2024). The Role Of Non-Governmental Organizations (Ngos) In Health Awareness And Health Care. Educational Administration: Theory and Practice, 30(5), ISSN:2148-2403. https://doi.org/10.53555/kuey.v30i5.9837
27. Parveen, R., Rahiman, J., Sowmiya, N., V., &Singh, O. P. (2024). Rationality of using Ayurvedic interventions in Diabetic Neuropathy in Geriatric age group. Journal of Ayurveda and Integrated Medical Sciences, 9(9), 100–105. https://doi.org/10.21760/jaims.9.9.15 ISSN: 2456-3110
28. Rahiman, J., Parveen, R., Balke, G., &Singh, O. P. (2024). Herbal medicine exhibiting cell cycle arrest: A short review. World Journal of Biology Pharmacy and Health Sciences, 16(2), 496–500. https://doi.org/10.30574/wjbphs.2024.19.2.0550eISSN: 2582-5542
29. Rahiman, J., Singh, O. P.,& Parveen, R. (2024). The Role of Herbal Medicines and Ayurveda in Cancer Treatment: A Comprehensive review. International Journal of Science and Healthcare Research, 9(3), 325–331. https://doi.org/10.52403/ijshr.20240339ISSN: 2455-7587
30. Parveen, R., V., S., Shivashankar, Y. P., &Singh, O. P. . (2024). Rationality of Taking Pathya (Wholesome) &Apathya (Unwholesome) Eatables in Diabetes Mellitus W.S.R. to the Glycemic Index [Journal-article]. Shodh Drishti (an International Peer Reviewed Refereed Research Journal), 15(5.1), 80–82.ISSN : 0976-6650
31. Kumar, K., Kumar, S., Singh, A., &Singh, O. P. . (2024). A comparative clinical evaluation of Haridra Churna, Gomutra Arka, &Jalaukacharana in the management of Kitibha (Psoriasis).International Journal of Research and Analytical Reviews (IJRAR), 11(1), 54–56. -ISSN 2348-1269.
32. Sowmiya, V., Yadav, P. S., Parveen, R., &Singh, O. P. (2024). Ayurvedic management in Hepatitis A W.S.R to Yakrutshotha – a case study. International Ayurvedic Medical Journal. https://doi.org/10.46607/iamj13p8052024 ISSN: 2320-5091
33. Anjali, Singh, O. P. (2024). Natural Methods and Resources in the Management of Pre-Diabetes Mellitus. In Shodh Drishti (Vols. 15–15, Issue 7.1, pp. 47–48)ISSN : 0976-6650.
34. Sahu, V., &Pedheka, S. R. (2024). Conceptualizing Electronic Governance for Development: An Overview. The Review of Contemporary Scientific and Academic Studies, 4(8). 1-4 https://doi.org/10.55454/rcsas.4.08.2024.002ISSN: 2583-1380
35. Sahu, V., &Pedhekar, S. R. (2024). Is globalization a driving force in Indian society? An overview. International Journal of All Research Education & Scientific Methods, 12(8):1190. https://doi.org/10.56025/IJARESM.2024.1208241190 ISSN: 2455-6211
36. Negi, C., Kumar, R., Yadav, V. S., Kumar, M., Bhatia, M., &Pedhekar, S. R. (2024). Role of Breathing Practices (Pranayama) in Bronchial Asthma: a Systematic review. African Journal of Biomedical Research. 27(4s): 11773-11780. https://doi.org/10.53555/ajbr.v27i4s.5927
37. Negi, C., Pedhekar, S. R.,& Bhatia, M. (2024). Yoga & mental health. In International Journal of Creative Research Thoughts (IJCRT) (Vol. 12, Issue 7), 61-66. ISSN: 2320-2882
38. Sahu, V., &Pedhekar, S. R. (2024). An Overview of Government Budgeting in India and Its Implications. TIJER - TIJER - INTERNATIONAL RESEARCH JOURNAL (www.TIJER.org), ISSN:2349-9249, Vol.11, Issue 8, page no.a432-a435, August-2024, Available :https://tijer.org/TIJER/papers/TIJER2408055.pdf
39. Kapil, Pandey, A. K., & Chowdhury, K. (2024). A comparative study of yogic practices and diet therapy in the management of pre-diabetes w.s.r. to glycemic control: A case report. International Journal of Ayurvedic Medicine, 15(S1), 203–206. https://doi.org/10.47552/ijam.v15iS1.5620. ISSN: 0976-5921
40. Pandey, A. N., Yadav, P. K., Premkumar, K. V., Tiwari, M., Antony, M. M., Pandey, A. K., & Chaube, S. K. (2025). Damage mechanisms of bisphenols on the quality of mammalian oocytes. Human Reproduction, 40(2), 186–198. https://doi.org/10.1093/humrep/deae284 ISSN: 1460-2350
41. Singh, P., Kumari, S., Chakravorty, H., Pandey, A. K., Dash, D., & Singh, R. (2025). In vivo, in vitro, and in silico approaches in the detailed study of di-butyl phthalate (DBP), a plasticizer-induced lung fibrosis via Nrf-2/Keap-1/HO-1 pathway and its regulation. Bioorganic Chemistry, 154, 107970. https://doi.org/10.1016/j.bioorg.2024.107970 ISSN: 0045-2068 (Print), 1090-2120 (Online)
42. Harsha, K. P., Nigam, T., &Pandey, A. K. (2024). Enhancement of mobility and muscle strength in elderly through Ayurveda. AYUSHDHARA, 11(4), 47–51. https://doi.org/10.47070/ayushdhara.v11i4.1662 ISSN: 2393-9583 (Print), 2393-9591 (Online)
43. Kapil, Pandey, A. K.,& Chowdhary, K. (2024). Prevention and management of prediabetes through yogic practices & yogic diet: An overview. Paniniya, XL(May–July), 151–157. http://www.mpsvv.ac.in ISSN: 2321-7626
44. Chauhan, S., &Pandey, A. K. (2024). Vartamanpariprekshya me swasthyakeprati Yama Niyam ki Avadharana. Paniniya, XLI(Aug–Oct), 71–76. http://www.mpsvv.ac.in ISSN: 2321-7626
45. Pali, G., Lamba, P. C., Lavanya, C., Joshi, D., Pandey, A. K., & Purushothaman, B. (2024). Comparing insulin infusion protocols for managing surgical stress hyperglycemia. Journal of Population Therapeutics and Clinical Pharmacology, 31(7), 1043–1053. https://doi.org/10.53555/jptcp.v31i7.7192 ISSN: 1710-6222
46. Karambhe, A. D., Palve, S., Madhumitha, S., Pandey, A. K., Sardana, M., & Pandit, D. N. (2024). Prospective cohort study: Integration of Ayurvedic principles in oncology—Herbal formulations and adjunct therapies for cancer management. African Journal of Biomedical Research, 27(3), 243–252. https://www.ajol.info/index.php/ajbr/article/view/283136 ISSN: 1119-5096 (Print & Online)
47. Yadav, P. K., Pandey, A. N., Premkumar, K. V., Tiwari, M., Pandey, A. K., & Chaube, S. K. (2024). Follicular oocyte as a potential target for severe acute respiratory syndrome coronavirus 2 infection. Reviews in Medical Virology, 34(4), e2568. https://doi.org/10.1002/rmv.2568 ISSN: 1099-1654 (Online)
48. Pandey, A. N., Yadav, P. K., Premkumar, K. V., Tiwari, M., Pandey, A. K., & Chaube, S. K. (2024). Reactive oxygen species signaling in the deterioration of quality of mammalian oocytes cultured in vitro: Protective effect of antioxidants. Cellular Signalling, 117, 111103. https://doi.org/10.1016/j.cellsig.2024.111103 ISSN: 0898-6568 (Print), 1873-3913 (Online)
49. Singh, A. K., Kumar, P., Mishra, S. K., Rajput, V. D., Tiwari, K. N., Singh, A. K., Minkina, T., Pandey, A. K.,& Upadhyay, P. (2024). A dual therapeutic approach to diabetes mellitus via bioactive phytochemicals found in a poly herbal extract by restoration of favorable gut flora and related short-chain fatty acids. Applied Biochemistry and Biotechnology, 196(10), 6690–6715. https://doi.org/10.1007/s12010-024-04879-6 ISSN: 0273-2289 (Print & Online)
50. Singh, A. K., Mishra, S. K., Pandey, A. K., Shati, A. A., Alfaifi, M. Y., Elbehairi, S. E. I., et al. (2024). A network pharmacology approach with experimental validation to discover protective mechanism of poly herbal extract on diabetes mellitus. Journal of King Saud University – Science, 36(4), 103138. https://doi.org/10.1016/j.jksus.2024.103138 ISSN: 1018-3647
51. Rajpoot, A., Pandey, A. K., Roy, V. K., & Mishra, R. K. (2025). Shilajit mitigates diabetes-induced testicular dysfunction in mice: A modulation in insulin sensitivity, germ cell-junctional dynamics, and oxido-apoptotic status. Andrologia, 2025, Article ID 5517176. https://doi.org/10.1155/and/5517176 ISSN: 1439-0272
52. Acharya, A., Shalini. (2024). Clinical Importance of Anahata Chakra. International Journal of All Research Education and Scientific Methods (IJARESM).12(8):1750-1752
53. Acharya, A., Shalini. (2024). Surya Namaskar An Approach For Holistic Health – Critical Review. Shodhasamhita: Journal of Fundamental & Comparative Research; X(I):115-121.
54. Singh, A., K, S., Abhinav, &Shalini. (2025). Ayurvedic approach in management of scalp folliculitis: A case study. International Journal of Herbal Medicine 2025; 13(1): 09-12 https://doi.org/10.22271/flora.2025.v13.i1a.966 .
55. Shalini, K, S.,&Nara, A., (2025). Ayurvedic Intervention for Bronchial Asthma: A Case Study. South Eastern European Journal of Public Health, 6251–6259. https://doi.org/10.70135/seejph.vi.5675
56. Nara, A.,Yadav,S.,Shalini,& Shikha. (2025). Successful Ayurvedic Treatment of a Polypoidal Mass in the Maxillary Sinus: A Single-Case Study. South Eastern European Journal of Public Health, 6260–6263. https://doi.org/10.70135/seejph.vi.5676
57. Nidhi, Antiwal, M, Singh, J. P., Maurya, P. K. (2025). Hatha Yogic Sadhana Hetu UpyuktSthana Evam Aahar Vihar Ka Vartman Samay KsPrepeksha Me Prasangikta, Shodhashauryam, International Scientific Referred Research Journal 8(3) 101-111.
58. Nidhi, Antiwal, M, Singh, J. P., Maurya, P. K. (2025). The therapeutic effects of Viparita Karani Mudra on Non communicable diseases. International research Journal of Ayurveda and Yoga 8(5),69-72 DOI:10.48165/IRJAY.2025.80512
59. Mishra, R. K. Gupta, S., Antiwal, M. (2025). Ayurvedic strategies for managing nonalcoholic Fatty liver Disease: A holistic Approach. International research Journal of Ayurveda and Yoga 8(5),51-58, DOI:10.48165/IRJAY.2025.80509
60. Mishra R,. Singh J. P. &Antiwal M. (2024).Cost perspective of Ayurveda: The Question of Affordability, Annals of Ayurvedic Medicine, 13(4), 342-345. Doi: 5455/AAM.199182
61. Kushwah S. Kushwah. K., Antiwal M. (2024) Surya Namaskar kriyawo ka Sharir per Prabhav, Paniniya, 41(12), 126-136 ISSN 2321-7626
62. Kushwah S. Antiwal, M. (2024). Hathyog Grantho me Pranayaamke Labh, SodhRityu, 37(2),45-48 ISSN 2454-6283
63. Yadav, S. K., Antiwal, M. Singh, A., Maurya, P., Singh, K. K., Raju, R., Singh, J. P., (2024). Efficacy of sports Rehabilitation program in accelerating return to play after injury: A systematic review. African Journal of Biomedical Research, 27(3s,), 4609-4618. Scopus ISSN 119-5096

Books and Book Chapters

1. Koley, S. R., Pandey, A. K., Kumar, S., Chaudhary, et al.(2024). Recent trends in diabetes and cancer research and its management (Vol. I, 1st ed., pp. 1–597). Selfypage Developers Pvt. Ltd.
2. Kiran V, Prasad R. (2024). Asthma disease management and Integrative therapies, Current trends in Primary health care through Ayurveda.978-93-5970-953-6
3. Debaje P, Prasad R. (2024). Management of Tamaka swasaw.s.r. to Bronchial Asthma, Current trends in Primary health care through Ayurveda.978-93-5970-953-6
4. Dogra S, Prasad R. (2024). Dietary and lifestyle management of Hypertension: Nonpharmacological treatment, Current trends in Primary health care through Ayurveda. 978-93-5970-953-6
5. Srivastava R, Prasad R. (2024). Effect of Yogic exercises on cardiac endurance, Current Global Scenario of awareness and implementation of AYUSH, 978-81-972426-1-8
6. Chaudhary D, Prasad R. (2024). Cardiac disease and ayurveda (Angina Pectoris), Current Global Scenario of awareness and implementation of AYUSH.978-81-972426-1-8

7. Debaje P, Prasad R.(2024). Metabolic syndrome, Ayurveda view, Current Global Scenario of awareness and implementation of AYUSH.978-81-972426-1-8
8. Singh R, Prasad R. (2024). Management of Madhumeha (Diabetes mellitus) with pathya and life style, Current Global Scenario of awareness and implementation of AYUSH, 978-81-972426-1-8
9. Prasad R. (2024). Teaching Kayachikitsa: Challenges and their solution, 'KayachikitsaSambhasaabhilekham' Compendium of clinical wisdom. 978-93-81771-90-7 page 1-7.
10. Kumar, R., Yadav, J. S. &Murthy, K. H. H. V. S. S. (2024). Social media, Mental Health and Yogic Practices. In Social Media and its effects on different Aspects. ISBN : 978-81-968378-3-9. 80-90.
11. Yadav, P. S. Sharma, S. &Singh, O.P.(2024). Role of social Media in Promoting Ayurveda and AYUSH System of Medicine. In Social Media and its effects on different Aspects. ISBN: 978-81-968378-3-9. 54-62.
12. Sahu, V., &Pedheka, S. R. (2024). The Development of Rural Society in the Era of Digital Tech-World Impact of Digital Technology in Indian Society (1st ed., pp. 311-320) [ISBN – 978-93-91635-64-0]
13. Rawat, K., &Pedheka, S. R. (2024). Exploring the Synergy of Yoga, Yagya Rituals, and Ayurvedic Practices as Tools for Enhancing Spiritual Consciousness and Well-being Yoga, Yagya & Ayurveda (1st ed., pp. 16-20) ISBN : 978-1-63754-889-9
14. Kori, H. K., &Pedheka, S. R. (2024). योग चिकित्सा के अंतर्गत नेतिक्रिया के द्वारा ऊर्ध्वजत्रुगत रोगों का निवारण : एक अध्ययन. Current Trends in Primary Health Care through Ayurveda (1st ed., pp. 396-402).[ISBN: 978-93-5970-953-6]
15. Kori, H. K., &Pedheka, S. R. (2024). मुख एवं नेत्रादि रोगों के उपचार हेतु योग, यज्ञ एवं प्राकृतिक चिकित्सा : एक अध्ययन. Yoga, Yagya & Ayurveda (1st ed., pp. 293-299) ISBN : 978-1-63754-889-9
16. Negi, C.,&Pedheka, S. R. (2024). Preventive and Promotive measures for Self-Care through Healthy Lifestyle, Food & Yoga. Current trends in Primary Health Care through Ayurveda ISBN: 978-93-5970-953-6.
17. Nigam, T., Harsha, K. P., &Pandey, A. K. (2024). Classical and contemporary aspect of Agni, Ama and Ojas in pathophysiology of diabetes mellitus/Madhumeha. In S. R. Koley, A. K. Pandey, S. Kumar, et al. (Eds.), Recent trends in diabetes and cancer research and its management (Vol. I, 1st ed., pp. 260–274). Selfypage Developers Pvt. Ltd. https://doi.org/10.58532/nbennurrdch12 ISBN: 978-1-68576-520-0 | eISBN: 978-1-68576-521-7
18. Pandey, A. K. (2024). An insight of cancer/Arbuda and its prevention through Ayurveda. In S. R. Koley, A. K. Pandey, S. Kumar, et al. (Eds.), Recent trends in diabetes and cancer research and its management (Vol. I, 1st ed., pp. 325–340). Selfypage Developers Pvt. Ltd. https://doi.org/10.58532/nbennurrdch17 ISBN: 978-1-68576-520-0 | eISBN: 978-1-68576-521-7
19. Rajput, K. B., Kale, S., &Pandey, A. K. (2024). Current perspective of immune enhancer therapy in cancer patient with special reference to Ayurveda. In S. R. Koley, A. K. Pandey, S. Kumar, et al. (Eds.), Recent trends in diabetes and cancer research and its management (Vol. I, 1st ed., pp. 581–597). Selfypage Developers Pvt. Ltd. https://doi.org/10.58532/nbennurrdch36 ISBN: 978-1-68576-520-0 | eISBN: 978-1-68576-521-7.
20. Chauhan, S., &Pandey, A. K. (2024). Awareness and benefit of yoga education among prenatal women. In AIA Specialists (PG) Association (Ed.), Current trends in primary health care through Ayurveda (1st ed., pp. 311–315). Shabd.in. Compiled by: AIA Specialists (PG) Association, Varanasi Branch ISBN: 978-93-5970-953-6
21. Kapil, Pandey, A. K.,& Chowdhury, K. (2024). Diet and yogic practices in the care and cure of prediabetes. In AIA Specialists (PG) Association (Ed.), Current trends in primary health care through Ayurveda (1st ed., pp. 342–349). Shabd.in. Compiled by: AIA Specialists (PG) Association, Varanasi Branch ISBN: 978-93-5970-953-6
22. Nigam, T., Pandey, A. K., & Harsha, K. P. (2024). Ayurvedic perspective of prevention and management of gout vis-à-vis Vatarakta. In AIA Specialists (PG) Association (Ed.), Current trends in primary health care through Ayurveda (1st ed., pp. 192–200). Shabd.in. Compiled by: AIA Specialists (PG) Association, Varanasi Branch, ISBN: 978-93-5970-953-6
23. Meenu, D., &Pandey, A. K. (2025). Geriatric care health practices through Ayurveda (Chap. 7, pp. 113–130). In U. C. Pati, M. Mohapatra, & S. Pati (Eds.), India's elderly: Issues and perspectives (1st ed., pp. 1–246). Cambridge Scholars Publishing, UK. ISBN: 978-1-0364-5001-4 | eISBN: 978-1-0364-5002-1. https://www.cambridgescholars.com/product/978-1-0364-5001-4/
24. K, S., Shalini.(2024). Role of Ayurveda in Management of Inflammatory Bowel Disease. In Current Global Scenario of Awareness and Implementation of Ayush. (168 – 174). Empyreal Publishing House. ISBN No: 978-81-972426-1-8
25. Shalini, Singh, A. (2025).Different dimensions of disease and chikitsa. In Ayurveda: Principles and practices of traditional healthcare. (421-428).Chaukhambha Publication, New Delhi. ISBN NO: 978-81-986163-3-3
26. Shalini, K., S. (2025).Introduction of Kayachikitsa. In Ayurveda: Principles and practices of traditional healthcare. (429-434).Chaukhambha Publication, New Delhi. ISBN NO: 978-81-986163-3-3
27. Shalini, K., S. (2025).Ayurvedic fundamentals: Agni,Ama, and Pathya-apathya. In Ayurveda: Principles and practices of traditional healthcare. (435-440).Chaukhambha Publication, New Delhi. ISBN NO: 978-81-986163-3-3
28. Shalini, Deshbhushan, P., K. (2025).Scope of Ayurvedic medicine in present scenario. (441-445).Chaukhambha Publication, New Delhi. ISBN NO: 978-81-986163-3-3

Department of Kriya Sharir

Research Papers and Articles

1. Garima Patel, Prof. Sangeeta Gehlot, Dr. Mamta Tiwari, Unlocking the Therapeutic Potential of Surya Namaskara: A Scientific Exploration into its Role in Alleviating Menstrual Disorders, Afr. J. Biomed. Res. Vol. 27(4s) (November 2024); 3276 – 3285
2. Shriti Singh, Sangeeta Gehlot,Neeraj Kumar Agrawal, Girish Singh, Devshree Singh, Prabhjot Kaur, Santosh Kumar Singh, Rajesh Singh, Molecular study of the KCNJ11 gene and its correlation with Prakriti to preventing and managing type 2 diabetes, JournalofTraditionalandComplementaryMedicine,Available online 11 January 2024,2225-4110/© 2024
3. DivyaniSoni, VandanaVerma, Shobhna Joshi, and Sangeeta Gehlot, ABO Blood Type Correlation with ManasPrakritiand Psychological Parameters in Young Healthy Females: An Exploratory Study,Journal of Ecophysiology and Occupational Health, Page No. Vol 25(1), DOI: 10.18311/jeoh/2025/45373, 147-154, March 2025, ISSN (Online) : 0972-4397
4. Dr. Shraddha Mishra, Prof. Sangeeta Gehlot, A Study On Assessment Of Nutritional Status And Dietary Habits Of Working Women In Universities Of Varanasi, Afr. J. Biomed. Res. Vol. 28(1s) (January 2025); 1117 - 1123
5. Rastogi, S., &Patwardhan, K. (2024). Translating Ayurvedic fundamentals into clinical practice is what we urgently need today. Annals of Ayurvedic Medicine, 13(1), 2–5. https://doi.org/10.5455/AAM.189590
6. Chauhan, M., Srivastava, V. K., &Patwardhan, K. (2024). Myth and reality of "theory-driven individualised practice" in Ayurveda: Mapping physicians' approaches using case-based scenarios. Indian Journal of Medical Ethics, 9(3 NS), 180–192. https://doi.org/10.20529/IJME.2024.039
7. Chakrabarti, S. S., Kaur, U., Patwardhan, K., &Chakrabarti, S. (2024). Assessing faculty for universities: Beyond Publishing Metrics., Scientific publishing ecosystem: An author-editor-reviewer axis (pp. 59–77). Springer. https://doi.org/10.1007/978-981-97-4060-4_6
8. Patwardhan, K. (2025). Deep meditation as a valid "scientific" method: A flawed argument. Indian Journal of Medical Ethics, X(1), 65–66. https://doi.org/10.20529/IJME.2025.009
9. PragyaSahu, Dr. N. S. Tripathi, Enhancement of Life Force (Prana Shakti) and Awakening of Willpower through Pranayama- A Review , Journal Name-पाणिनीया, Fabruary-April, 2024, Vol. XXXIX , P.N.- 126-131, ISSN – 2321-7626, (UGC Care Listed)
10. PragyaSahu, Dr. N. S. Tripathi, Pranayama in Religious Scriptures - A Review, Enternational Journal of Research and Analytical Reviews (IJRAR) , January 2024, Vol.-11, Issue- 1, P.N.- 287-290 E-ISSN: 2348-1269, P-ISSN: 2349-5138.
11. Pankaj Pal, Dr. N. S. Tripathi, " Digital Transformation and Sports" डिजिटलयुगमेंखेलऔरस्वास्थ्य , ISBN 2-0-976485-81-978 - ,कनकप्रकाशन, P.N.- 170-177, (2024)
12. Priyanka Joshi, Narendra Gautam, Mangalagowri V. Rao, Rashi Sharma, O.P. Singh,Effect of hatha yoga in the management of kitibha vis-a-vis psoriasis,Ayushdhara,2024;11(3):1-5.https://doi.org/10.47070/ayushdhara.v11i3.1572
13. Rahi S and Sharma R,Understanding irritable bowel syndrome (IBS) and its Ayurvedic perspective: A comprehensive review,2025, 14(7): 3627-3636,https://doi.org/10.31032/IJBPAS/2025/14.7.9128
14. Mishra, R. & Sharma, R. (2024). The Age-Old Methods for Self-Regulation: Insights from the Bhagwad Gita. International Journal of Indian Psychology, 12(4),1858-1866. DIP:18.01.176.20241204, DOI:10.25215/1204.176
15. GUPTA, D. V., &Verma, D. (2025). An Interventional study on the assessment of the knowledge and awareness related to health at upper primary level of schooleducation. International Journal of Research in Social Science and Humanities (IJRSS) ISSN:2582-6220, DOI: 10.47505/IJRSS, 6(3), 100–108., https://doi.org/10.47505/IJRSS.2025.3.10
16. Soni, D., Verma, V., Joshi, S., &Gehlot, S. (2025). ABO Blood Type Correlation with ManasPrakriti and Psychological Parameters in Young Healthy Females: An Exploratory Study. Journal of Ecophysiology and Occupational Health, 25(1), 147–154. https://doi.org/10.18311/jeoh/2025/45373
17. Parameswarappa S Byadgia, MeenaKumaria,*, VishwambharSinghb, Arun Kumar Dwivedic, Sunil Kumar Mishrad, Sushil Kumar Dubey, Ashvanee Kumar Chaudharyb, R N Chaurasiaf, NamrataJoshig, Hitesh Janih, Rajeev Kumar Mishrai, T B Singhj, Arunima P Sa &RemyaJayakumarg, Clinical efficacy of GojihvadiKwath, ShirishadiKwath, SanjeevaniVati, PanchagavyaGhritaGranules &ShunthiChurnafor COVID-19 management, a randomized controlled trial
18. Indian Journal of Traditional Knowledge Vol 23(8), August 2024, pp 729-738 DOI: 10.56042/ijtk.v23i8.13109
19. Suyash Tripathi1, Akanksha Mishra1, Sushil K Dubey2, Harsh Pandey3, YaminiBhusan Tripathi4, An Analysis Of Blood Pressure Categories: A Randomized Cross-Sectional ProspectiveStudy In Varanasi, January 2025, Int J Med Pub Health2025; 15 (1); 454-466
20. Manisha Maurya, Dr. Aparna Singh*. (2025). A Systemic Analysis on Increasing Prevalence of Work-Related Musculoskeletal Disorder And Low Back Pain In Teaching Profession. South Eastern European Journal of Public Health, 3991–3999. https://doi.org/10.70135/seejph.vi.5941
21. Maurya, M., & Singh, A. (2025). A Systemic Epidemiological Analysis of the Rising Prevalence of Low Back Pain among Educators: Occupational Risk Factors and Preventive Strategies.Indian Journal, Indian Journal of Natural Sciences: Vol.16 (Issue 90) ; 95070-95073

Books and Book Chapters

1. Neha Singh, Sangeeta Gehlot, Impact of Technology Addiction on Social Relationships, in book titled Digital Yuga Me KhelaaurSwasthaya, Published by Kanak Prakashan Delhi and Prayagraj, 2024, ISBN 97881976485, Page No. 107-115
2. BinitaKumari Singh, Prof. Sangeeta Gehlot, Addressing the Disparity: Exploring the Digital Gap Among Women in India, in Book Digital India and Women Empowerment, Page No. 244-252, Published by Devyani Publishers and Distributors Delhi
3. Patwardhan, K., Bhalerao, S., &Chakrabarti, S. S. (2024). Plagiarism: Emerging challenges and potential solutions.,*Scientific publishing ecosystem: An author–editor–reviewer axis* (pp. 59–77). Springer. https://doi.org/10.1007/978-981-97-4060-4_6
4. Sharma, S., &Patwardhan, K. (2025). Viewing the revivalist movement in Ayurveda from a socio-cultural perspective. Indian Journal of Medical Ethics. Advance online publication. https://doi.org/10.20529/IJME.2025.018
5. Lakhotia, S. C., Lakhotia, S., Patwardhan, K., &Valiathan, M. V. S. (2024). M. V. S. Valiathan (1934–2024). Current Science, 127, 369–371.

6. MauryaSneha&VermaVandana (2024), "The role of health education in Adolescents Nutritional Impairment Disorders", Current trends in primary Health Care through Ayurveda, AIASPG Association, ISBN no. - 978-93-5970-953-6, pg.no. 71-78.
7. Rai, Samiksha&Verma, Vandana (2024) "Evidence of practice of millets in diet of Indian Population. Current trends in Primary Health Care through Ayurveda". AIASPG Association, ISBN: 978-93-5970-953-6, Page No. 363-367.
8. Gupta Divya&VermaVandana (2024) "Plant-Based Nutrition: Panacea for Modern Lifestyle Diseases", Current trends in Primary Health Care through Ayurveda, AIASPG Association, ISBN: 978-93-5970-953-6, pg. no. 366-376.
9. Singh K Praveen, VermaVandana (2024), "Osteoporosis (Asthikshaya) and its Restorative measure in ayurveda, Current trends in primary health care through ayurveda, AIASPG Association, 1st March 2024, URL:http://shabd.in, ISBN:978-93-5970-953-6, Page no.53-59
10. Gupta Divya&VermaVandana.(2024). Relevance & Implications of using social media for nutritional information: as a virtual dietician. Education & digital library ISBN: 978-93-93751-49-2
11. An impact of Digital Technology on Women'sEmpowerment, published in Digital India and Women Empowerment. Pg: 253-263;ISBN:9789393751454
12. Primary health care and nutritional status among pregnant women published in Current trends in Primary Health Care through Ayurveda by All India Ayurvedic Specialists (PG) Association, Varanasi branch. Pg 26-36; ISBN:9789359709536
13. A study on sociological approach related to mental health in elderly during covid 19 published in Current trends in Primary Health Care through Ayurveda by All India Ayurvedic Specialists (PG) Association, Varanasi branch. Pg 140-149; ISBN:9789359709536

Department of Medicinal Chemistry

Research Papers and Articles

1. Upendra Kumar Patel, Punit Tiwari, Ragini Tilak, Gaurav Joshi, Roshan Kumar, Alka Agarwal, Synthesis of ciprofloxacin-linked 1, 2, 3-triazole conjugates as potent antibacterial agents using click chemistry: exploring their function as DNA gyrase inhibitors via in silico and in vitro-based studies, RSC advances, May 2024, 14(24), 17051-17070, https://doi.org/10.1039/D4RA01332H.(I.F.4.6)
2. Anand Maurya,Upendra Kumar Patel, Sanjeev Kumar, Alka Agarwal, Molybdenum trioxide as a newer diversified economic catalyst for the transformation of nitroarenes to arylamine and 5-substituted-1 H-tetrazole, RSC advances, Sep 2024, 14(40), 29505-29517, https://doi.org/10.1039/D4RA05443A. (I.F.4.6)
3. Alka, Upendra Kumar Patel, Alka Agarwal, Sustainable Design and Revolutionary Synthesis of Highly Recyclable Sulfonic Acid–Based Magnetic Nanoparticles as a Solid Acid for Synthesis of 2-Substituted Benzimidazole and Bis Indole Methane Derivatives, Applied Organometallic Chemistry, Nov 2024, 39(3), e7861, https://doi.org/10.1002/aoc.7861. (I.F.3.7)
4. Upendra Kumar Patel, Alka, Punit Tiwari, Ragini Tilak, Gaurav Joshi, Roshan Kumar, Alka Agarwal, 1, 2, 3-Triazole-tethered fluoroquinolone analogues with antibacterial potential: synthesis and in vitro cytotoxicity investigations, RSC advances, Jan 2025, 15(3), 1896-1914, https://doi.org/10.1039/D4RA08643K. (I.F.4.6)
5. Anand Maurya, Vinay kuamr Singh, Alka Agarwal, Molecular docking, standard dynamics trajectory analysis and density functional theory studies of potent antibacterial compounds against Staphylococcus aureus AacA-AphD protein to identify potential lead molecules, Letters in Appllied NanoBioScience, June 2024, 13(2), 1-18, https://doi.org/10.33263/LIANBS132.060. (I.F.0.25)
6. Sanjeev Kumar, Anand Maurya, Alka Agarwal, Microwave-Assisted synthesis of heterocyclic scaffolds, Synopen, July 2024, 8(03), 138-152, https://doi.org/10.1055/s-0043-1775379. (I.F.2.1)
7. Upendra Kumar Patel, Alka, Alka Agarwal, Endoperoxides as Antimalarials: Development, Structural Diversity, and Pharmacodynamic Aspects of 1, 2, 4, 5-Tetraoxane-Based Structural Scaffolds, SynOpen, Jan 2025 9(01), 10-24, https://doi.org/10.1055/s-0043-1775432. (I.F.2.1)
8. Zeba Firdaus, Gopichand Gutti, Ankit Ganeshpurkar, Ashok Kumar, Sairam Krishnamurthy, Sushil Kumar Singh, Tryambak Deo Singh, Centella asiatica improves memory and executive function in middle-aged rats by controlling oxidative stress and cholinergic transmission, Journal of Ethnopharmacology, Volume 325, 10 May 2024, page no. 117888, ISSN 0378-8741,
9. Vidyasagar, Patel, R.R., Singh, S.K., Dehari, D., Nath, G. and Singh, M., 2024. Facile green synthesis of silver nanoparticles derived from the medicinal plant Clerodendrum serratum and its biological activity against Mycobacterium species. Heliyon, 10(10).
10. Patel, R.R., Arun, P.P., Singh, S.K. and Singh, M., 2024. Mycobacterial biofilms: Understanding the genetic factors playing significant role in pathogenesis, resistance and diagnosis. Life Sciences, 351, p.122778.
11. Patel, R.R., Singh, S.K. and Singh, M., 2025. Recent advances in inhibitor development and metabolic targeting in tuberculosis therapy. Microbial Pathogenesis, p.107515.
12. Kumar, N., Sada, P. K., Kundan, A. K., Bar, A., Jassal, A. K., Rai, S. P., ... & Rai, A. (2025). Exploring the recognition behavior of a fluorescein-based probe towards the significant detection of Cu2+ and Zn2+ ions: Experimental and computational studies. Journal of Photochemistry and Photobiology A: Chemistry, 462, 116268.
13. Thakur, N., Rajak, N., Garg, N., Kandwal, P., & Pandey, R. (2025). Exploring dual-channel ion detection and theorxxxdddetical insights: Chromone-based colorimetric receptor for Cu2+ and its Zn (II)-complex as ultrasensitive fluorescent probe for Ag+ and Fe3+. Journal of Molecular Structure, 1321, 139832.
14. Prajapati, C., Rai, S. N., Singh, A. K., Rajak, N., Garg, N., & Singh, S. K. (2025). Untargeted Metabolomics and Bioactivities Assessment of Xylaria ellisii, an Endophytic Fungus Isolated from the Leaf of the Plant Acorus calamus Linn. Current Pharmaceutical Design, 31(22), 1781-1799.
15. Pathak, S., Singh, V. K., Gupta, P. K., Mahapatra, A. K., Giri, R., Sahu, R., ... & Garg, N. (2024). Exploring the role of pomalidomide in androgen-dependent prostate cancer: a computational analysis. Molecular diversity, 1-15.
16. Singh, V. K., Thakur, D. C., Rajak, N., Mishra, A., Kumar, A., Giri, R., & Garg, N. (2024). The multi-protein targeting potential of bioactive syringin in inflammatory diseases: using molecular modelling and in-silico analysis of regulatory elements. Journal of Biomolecular Structure and Dynamics, 42(23), 12851-12862.
17. Mahto, V. K., Singh, V. K., Singh, V. K., Singh, A., Singh, S., Mehara, A. K., ... & Singh, A. K. (2025). Green single-step hydrothermal synthesis of fluorescent carbon dots from Lantana camara flower for the effective fluorescent detection of Cr (VI) and live cell imaging. Biomass Conversion and Biorefinery, 15(11), 16857-16870.
18. Singh, V. K., Rajak, N., Singh, Y., Singh, A. K., Giri, R., & Garg, N. (2024). Role of MicroRNA-21 in prostate cancer progression and metastasis: molecular mechanisms to therapeutic targets. Annals of surgical oncology, 31(7), 4795-4808.
19. Singh, V. K., Thakur, D. C., Rajak, N., Giri, R., & Garg, N. (2024). Immunomodulatory potential of bioactive glycoside syringin: a network pharmacology and molecular modeling approach. Journal of Biomolecular Structure and Dynamics, 42(8), 3906-3919.
20. Singh, Y., Barua, S. K., Singh, V. K., Trivedi, S., Rajeev, T. P., Koti, S. R., & Garg, N. (2024). Intratumoral heterogeneity, chemoresistance and lymph node landing zone prognosis in testicular tumors based on histopathological characteristics. Annals of Surgical Oncology, 31(5), 3544-3553.
21. Dhas, N., Kudarha, R., Tiwari, R., Tiwari, G., Garg, N., Kumar, P., ... & Mutalik, S. (2024). Recent advancements in nanomaterial-mediated ferroptosis-induced cancer therapy: importance of molecular dynamics and novel strategies. Life Sciences, 346, 122629.
22. Asthana, S., Maddeshiya, T., Tamrakar, A., Kumar, P., Garg, N., & Pandey, M. D. (2024). l-Tryptophan-based pyrene conjugate for intracellular zinc-guided excimer emission and controlled nano-assembly. Analytical Methods, 16(33), 5633-5641.
23. Tamrakar, A., Asthana, S., Kumar, P., Garg, N., & Pandey, M. D. (2024). Design of C 2-symmetric pseudopeptides for in vivo detection of Cu (II) through controlled supramolecular nano-assembly. Organic & Biomolecular Chemistry, 22(31), 6409-6418.
24. Srivastava, A., Singh, K. R., Kumar, P., Garg, N., Pandey, M. D., & Singh, J. (2024). Structuring biogenic carbon quantum dots integrated on biphasic La2O3/La2O2C2 heterostructure for efficient electrocatalytic determination of endocrine disruptor Bisphenol-A. Materials Today Sustainability, 25, 100652.
25. Singh, V. K., Rajak, N., Giri, R., & Garg, N. (2024). Advances in non-covalent based inhibitors targeting Myc: a promising approach for cancer treatment. Future Medicinal Chemistry, 16(2), 101-103.
26. Tiwari, B., Pandey, R. P., & Hussain, N. (2025). Hydrogenation of Sugar Enol-Ethers Using Pd/Et3SiH Reagent System: A Route to Deoxy Sugars/Glycosides. The Journal of Organic Chemistry, 90(1), 138–145. https://doi.org/10.1021/acs.joc.4c02031
27. Tiwari, B., Pandey, R. P., & Hussain, N. (2025). Recent advances in the synthesis of SGLT2 Inhibitors and natural products from carbohydrates. Carbohydrate Research, 552, 109477. https://doi.org/10.1016/j.carres.2025.109477
28. Maheshwari, M., & Hussain, N. (2025). Difunctionalization of Glycals and their Derivatives: Strategies and Applications in the Synthesis of Bioactive Compounds. Advanced Synthesis& Catalysis, 367(10), e202401517. https://doi.org/10.1002/adsc.202401517
29. Maheshwari, M., & Hussain, N. (2025). Synthesis of Branched Sugars and Chiral Aromatic Building Blocks Derived from Glycals. Synlett. https://doi.org/10.1055/a-2523-4859
30. Pandey, R. P., Tiwari, B., Ansari, M., & Hussain, N. (2025). Lewis Acid-Mediated Domino Glycosylation/Cyclization of Substituted Glycals: A Stereoselective Route Toward the Synthesis of 1,2-Annulated C-Glycosides. Organic Letters, 27(12), 2924–2929. https://doi.org/10.1021/acs.orglett.5c00493
31. Pandey, R. P., Tiwari, B., Pandey, A. K., & Hussain, N. (2025). Recent Advancements in Glycosylation Reactions: An Access to Privileged C- and S-glycosides. Current Organic Chemistry, 29(5), 343–358. https://doi.org/10.2174/0113852728322447240718054734
32. Maheshwari, M., & Hussain, N. (2024). Aldehyde-Mediated Open-Air Stereoselective β-Glycosylation of Glycals: An Expeditious Route towards Glycosyl-Ester Synthesis. Advanced Synthesis & Catalysis, 366(21), 4478–4484. https://doi.org/10.1002/adsc.202400638
33. Manmode, S., Hussain, N., Marin, O. J. G., Kato, A., Veytia-Bucheli, J. I., Vincent, S. P., & Gauthier, C. (2024). Thioarylation of 6-Amino-2,3,6-trideoxy- manno -oct-2-ulosonic Acid (IminoKdo): Access to 3,6-Disubstituted Picolinates and Mechanistic Insights. Chemistry – A European Journal, 30(12). https://doi.org/10.1002/chem.202303904
34. Pandey, R. P., Tiwari, B., Sharma, N., Giri, K., & Hussain, N. (2024). Reactivity Switch in Glycal Dienes toward Different Nucleophiles: Mechanistic Insight and Applications toward the Synthesis of Naphthalene-Fused Pyran Derivatives. The Journal of Organic Chemistry, 89(16), 11502–11512. https://doi.org/10.1021/acs.joc.4c01210
35. Sharma, M. K., Tiwari, B., & Hussain, N. (2024). Pd-catalyzed stereoselective synthesis of chromone C -glycosides. Chemical Communications, 60(36), 4838–4841. https://doi.org/10.1039/D4CC00486H
36. Tiwari, B., Pandey, R. P., & Hussain, N. (2024). TFA-induced conversion of glycals to 2-deoxy-sugars and their utility in synthesizing 2-deoxy-glycosyl esters. New Journal of Chemistry, 48(21), 9680–9684. https://doi.org/10.1039/D4NJ00945B
37. Nazar Hussain, A. K. (2025). Glycals and their Derivatives (N. Hussain & A. Kumar (eds.)). BENTHAM SCIENCE PUBLISHERS. https://doi.org/10.2174/9789815322798125010101
38. Maheshwari, M., Tiwari, B., Sharma, M. K., & Hussain, N. (2025). Recent Advances in the Synthesis of O- and S-Glycosides from Glycals. In Glycals and their Derivatives (pp. 24–68). BENTHAM SCIENCE PUBLISHERS. https://doi.org/10.2174/9789815322798125010005
39. Tiwari, B., Maheshwari, M., Hussain, A., Pandey, R. P., & Hussain, N. (2025). Introduction to Glycals. In Glycals and their Derivatives (pp. 1–23). BENTHAM SCIENCE PUBLISHERS. https://doi.org/10.2174/9789815322798125010004
40. Sharma, M. K., Pandey, A. K., Pandey, R. P., & Hussain, N. (2025). Recent Advances in the Synthesis of C-Glycosides Using Glycals and their Derivatives. In Glycals and their Derivatives (pp. 69–105). BENTHAM SCIENCE PUBLISHERS. https://doi.org/10.2174/9789815322798125010006
41. Pandey, R. P., Sharma, M. K., Pandey, A. K., Hussain, A., & Hussain, N. (2025). Exploring the C-2 Position of Glycals: Structural Insights and Synthetic Applications. In Glycals and their Derivatives (pp. 106–136). BENTHAM SCIENCE PUBLISHERS. https://doi.org/10.2174/9789815322798125010007

42. Patni, K., Kumar, P., Pandey, S., Sarma, B. K., & Garg, N. (2025). Intracellular reactive oxygen species scavenging potential of Benincasa hispida Cogn. confection. Indian Journal of Traditional Knowledge (IJTK), 24(1), 16-22.

Books and Book Chapters:

1. Patel, R.R., Mishra, A., Singh, S.K. and Singh, M., 2024. Beyond Pharmaceuticals: Tapping into Nature's Weapons Against Pathogenic Resilience. In Emerging Paradigms for Antibiotic-Resistant Infections: Beyond the Pill (pp. 511-538). Singapore: Springer Nature Singapore.
2. Rajak, N., Singh, V. K., & Garg, N. (2024). Molecular Insights into Anti-SARS-CoV-2 Activity of Catechins against Protein Targets for COVID-19 Management. In Anti-SARS-CoV-2 Activity of Flavonoids (pp. 152-159). CRC Press.
3. Gaur, P., Rajak, N., Tiwari, A., Kumar, P., & Garg, N. (2024). Role of microRNAs in oncogenic viral infection diagnosis and therapeutics. In MicroRNA in Human Infectious Diseases (pp. 179-200). Academic Press.
4. Mishra, P., Tripathi, Y. B., Dhas, N. L., & Garg, N. (2023). Hypoxia-responsive delivery nanoplatforms in cancer theranostics. In Site-specific cancer nanotheranostics (pp. 114-119). CRC Press.

Department of Sangyaharan

Research Papers and Articles

1. Prof. K. K. Pandey, Amitesh Kumar, Pradip Kumar Mishra, Dr. Ramesh Chandra, *आयुर्वेद में आत्यन्तिक वेदना प्रशमन हेतु 'योग' का औषधीय प्रयोग,* International Peer Reviewed Sangyaharan Shodh, August 2024, ISSN 2278-8166, Vol. 27, No. 2
2. Dr. Vidya, Pradip Kumar Mishra, Vijay Shanker Yadav, Dr. Naveen Chandra Bhatt, Abhishek Maurya, Rohit Kumar, Viturv Tripathi, *A clinical study to assess the impact of Gayatri Mantra chanting and Silence Practice on Quality of Life in University Students*, International Journal of Yogic, Human Movement and Sports Sciences, April 2024, ISSN 2456-441
3. Pradip Kumar Mishra, Neha, Amitesh Kumar, Dilip Kumar Singh, Rohit Kumar, Rahnuma Parvin, Dr. Rakesh Kumar Jaiswal, Prof. Kuldeep Kumar Pandey, *Effect of Yogic Practices on Subclinical Hyperthyroidism in an old Female: A Case Study,* African Journal of Biomedical Research, December 2024, Vol. 27(4s)
4. Abhishek Maurya, Viturv Tripathi, K. K. Pandey, Vijay Shanker Yadav, Pradip Kumar Mishra, Mohit Kumar, Neha Chaudhary, K.H.H.V.S.S. Narasimha Murthy, Rohit Kumar, *Development, Validation, and Feasibility of Yogic Practices for Low Backache (LBA) With Mental Stress*, African Journal of Biomedical Research, December 2024, Vol. 27(4s)
5. Abhishek Maurya, Surbhi Pal, K.K. Pandey, Pradip Kumar Mishra, Vijay Shanker Yadav, Rohit Kumar, *An Overview of Nirgundi (Vitex negundo): A Traditional Ayurvedic Herb for Pain Relief and Healing*, International Journal of Ayurvedic Medicine (Supplement of International Conference on Ayurveda-Yoga-Nathpanth–2025), 2025, Pg. 135–140
6. Abhishek Maurya, Surbhi Pal, Prof. K.K. Pandey, Rohit Kumar, *The Efficacy of Herbal Drug Interventions, Yogic Therapy and Lifestyle Modifications in Alleviating Chronic Low Back Pain*, Sangyaharan Shodh (International Peer Reviewed), February 2025, P-ISSN 2278-8166, Vol. 28, No. 1
7. Neha, Jaiswal Vishal, Mohit, Jaiswal R.K., Bharati P.K., *The role of Asana in the management of Musculo-skeletal pain of Spinal Region caused by stress with special reference to Makarasana, Shalabhasana and Manjari Asana*, Sangyaharan Shodh, August 2024, ISSN 2278-8166, Vol. 27, No. 2, pp. 18–25
8. Neha, Vishal, Ararti, Saurabh, Rajneesh, Dilip, Pandey K.K., Maurya B.N., Jaiswal R.K., Bharati P.K., *Integrative Approach to Managing Multiple Joint Pain with Stiffness, Swelling and Stress using Yogic Practices and Herbal Remedies: A Case Study,* African Journal of Biomedical Research, September 2024, ISSN 2768-2771, Vol. 27
9. Maurya B.N., Madhu Rana, Vijay Shanker Yadav, Jaiswal R.K., Mohit, *A study to Assess the Management of Warts (Charmakeela) through Agnikarm: A Case Report*, African Journal of Biomedical Research, September 2024, ISSN 2768-2771, Vol. 27, pp. 8982–8991
10. Jaiswal R.K., Jaiswal Vishal, Mohit, Neha, *Systematic Review on the Relevance of Yoga and Ayurveda in Reference to Vedana (Pain),* Sangyaharan Shodh, February 2025, ISSN 2278-8166, Vol. 28, No. 1, pp. 9–16
11. Neha, Jaiswal R.K., Bharati P.K., *Trayodashang Guggulu and Agnikarma: Holistic Pain Relief Unveiled,* Sangyaharan Shodh, February 2025, ISSN 2278-8166, Vol. 28, No. 1, pp. 52–57
12. Nand Prakash, Dharmendra S. Narwaria, Maurya Archana, Jaiswal R.K., *Evaluating the Impact of Varying Paces and Durations of Suryanamaskar on Leg Strength among College Students*, Sangyaharan Shodh, February 2025, ISSN 2278-8166, Vol. 28, No. 1, pp. 26–29
13. Jaiswal R.K., Pandey K.K., B.N. Maurya, Jaiswal Vishal, Saurabh, Rajneesh, *Manav Rachana Sharir (Yog Ayurved aur Aadhunik Chikitsa ke Paripreksh me)*, Book, 2024, ISBN 978-93-341-1197-2
14. Yadav V.S., Pundir M., Maurya B.N., Tripathi V., Kumar M., Maurya A., *Development, Validation, and Feasibility of Integrated Yoga Module on Anidra (Insomnia)*, Bharati Vidyapeeth Medical Journal, 2024, 4(2), pp. 29–35, https://bvmj.in/
15. Gupta R.K., Jaiswal V., Chauhan S., Neha, Singh D.K., Maurya B.N., Jaiswal R.K., Pandey K.K., *Important Role of Yoga in Mental Well-Being*, Kurdish Studies, 2024, 10(2), pp. 480–483, https://doi.org/10.53555/ks.v10i2.3182
16. Neha, Jaiswal V., Kumari A., Chauhan S., Gupta R.K., Singh D.K., Pandey K.K., Maurya B.N., Jaiswal R.K., Bharti P.K., *Integrative Approach to Managing Multiple Joint Pain with Stiffness, Swelling, and Stress using Yogic Practices and Herbal Remedies: A Case Study,* African Journal of Biomedical Research, 2024, 27(2), 2768–2771, https://africanjournalofbiomedicalresearch.com/index.php/AJBR
17. कनौजिया आ., मौर्य B.N., *वेदों में योग विज्ञान का स्वरूप,* Sangyaharan Shodh, 2024, 27(2), pp. 31–35, http://www.aaim.co.in
18. Yadav V.S., Sharma R., Maurya B.N., Tripathi V., Pundir M., Yadav S., Kumar R., Maurya A., Kumar M., *Effect of Nadi Shodhan Pranayam on Memory Functioning among College Students: A Pilot Randomized Controlled Trial*, African Journal of Biomedical Research, 2024, 27(6S), 5178–5182
19. Maurya B.N., Rana M., Yadav V.S., Jaiswal R.K., Kumar M., *A Study to Assess the Management of Warts (Charmakeela) through Agnikarma: A Case Report*, African Journal of Biomedical Research, 2024, 27(4S), 8982–8991

Department of Swasthavritta & Yoga

Research Papers and Articles

1. Mehta, C., Shukla, M., & Nathani, N. (2024, Feb–April). Yog Sadhana Me Satya ka VishisthaYogdaan. Paniniya: Quarterly Refereed and Reviewed Research Journal, 39, 59–67. ISSN: 2321-7626. https://www.mpsvv.ac.in/images/files/PANINIYA-Patrika/Paniniya_Vol-_39.pdf
2. Shukla, M., Patel, V., Patidar, M., & Nathani, N. (2024, March–April). Shrimad BhagvadgeetamaiChaturvidhPurusharth ki Avadharana. National Journal of Hindi and Sanskrit Research, 1(53), 33–36. ISSN: 2454-9177. https://sanskritarticle.com/wp-content/uploads/10-53-Mahabir.Shukla.pdf
3. Patel, V., Patidar, M., Kesar, & Nathani, N. (2024, Jan–July). Significance of Yogic Lifestyle in controlling Obesity. Journal of Research in Traditional Medicine, 10(1), 29–35. ISSN: 2455-3166. https://doi.org/10.5455/jrtm.2024-191479
4. Kesar, Mehta, C., & Nathani, N. (2024, July–December). Yoga2k-oupanishadonmeinvarnitpraanevanpranaayaam ka shaastreeyevanvyaavahaariksvaroop. Vaidika Vag Jyotih, 12(23), 15–28. ISSN: 2277-4351. https://www.gkv.ac.in/wp-content/uploads/2024/09/Vag-Jyotih-DP%2024.pdf
5. Patel, V., & Nathani, N. (2024, Nov–Dec). Designing and validation of a Yoga protocol for the quality of life and health of the elderly. Journal of Research in Ayurvedic Sciences, 8(6), 307–313. ISSN: 2581-9895. https://doi.org/10.4103/jras.jras_233_24
6. Mehta, C., Nathani, N., & Joshi, S. (2024). Evaluation of the impact of Vipassana Meditation on Mental Health: A Pilot Study. Journal of Chemical Health Risks, 14(5), 2166–2171. ISSN: Not specified. https://doi.org/10.52783/jchr.v14.i5.7408
7. Mehta, C., Patidar, M., & Nathani, N. (2024). Yoga: The Holistic Approach to Enhance Athletic Performance. In Aadhunik yugmeinyog: shaareerik, maanasik aur aadhyaatmiksvaasthy (pp. 75–82). Roorkee: Well Press Publications. https://doi.org/10.5281/zenodo.13374593
8. Kesar, & Nathani, N. (2025, Jan–Jun). Scientific effect of pranayama (hatha yogic breath regulation techniques) on physiological and psychological variables: A systematic review. Yoga-Mimamsa, 57(1), 48–56. ISSN: 2394-2487. https://doi.org/10.4103/ym.ym_11_25
9. Effect Of Hatha Yoga in the Management of Kitibha Vis-A-Vis Psoriasis, Priyanka Joshi, Narendra Gautam, Mangalagowri V. Rao, Rashi Sharma, O.P. Singh, Ayushdhara: An International Journal of Research in AYUSH and Allied Systems, May-June 2024, Vol 11, Issue 3 ISSN No. 2393-9591, Page No. 168-172
10. 'Pranayama- A Journey to Well-Being and Vitality', Raghvendra Chaturvedi & Kiran Sanwal&Dr. Mangalagowri V. Rao, Shabdarnava: An International Peer Reviewed Refereed Journal of Multidisciplinary Research, 10:19 (2), Jan-June 2024, ISSN: 2395-5104, Page No: 306-309
11. A Critical Appraisal of Nutri-Cereals: Ayurvedic and Contemporary Perspectives, Dr. Vineeta Singh, Dr. Mangalagowvri V Rao, African journal of biomedical research, Issue 4(s), Vol 27, Dec/2024, ARC publication, Dubai, UAE, ISSN No. 1119-5096, Page No. 11436-11446
12. Seasonal regimen (Ritucharya) with special reference to Agni and Gut Microbiota, Dr. Vineeta Singh, Dr. Mangalagowvri V Rao, International Journal of Ayurvedic Medicine, Issue Supplement 1, Vol 15, Dec 2024, Ayurveda Sahiti Prabha, ISSN No.0976-5921, Page No. 157-163
13. Manasa Prakriti As an Explanation of The Basic Characteristics of The Three Manas and Their Inter-Relationship: A Descriptive Study, Mr. Ashish Bhadula, &Dr. Mangalagowri V. Rao, African Journal of biomedical research, Issue 4s, Vol 27, December 2024, Publisher-ARC publication, Dubai, UAE, ISSN No. 1119-5096, Page No. 11486-11491
14. Pranayama: A pathway to cure Cardiovascular Wellness, Mr. Ashish Bhadula, Dr. Mangalagowri V. Rao, Journal of Fundamental & Comparative Research, 2024, Issue I, Vol X, ISSN No. 2277-7067, Page No. 111-117
15. Impact of Long-Term Yoga and Padabhyanga Practice on Sleep Quality and Quality of Life in the Elderly, Dr. Vineeta Singh, Anindya Sundar Choudhury, Dr. Tushar Biswas, Dr. Mangalagowri V. Rao, Library Progress International, Vol.44 No.3, Jul-Dec2024: ISSN 2320 317X, Page No. 20094-20100
16. 'Management of COVID 19 Patient with Yogic Practices: A Case Report', Dr. Mukta, Dr. Mangalagowri V Rao, Journal of Ayurveda, 2024;18: 4, ISSN No. 2321-0435, Page No. 315-318.
17. "Exploring The Holistic Approaches for Promoting Hair Health from Insights of Ayurveda: A Comprehensive Review" by Dr. Tushar Biswas, Dr. Vineeta Singh & Dr. Kanchan Chowdhury, published in Volume 12, Issue 05, Page No. 945 - 954, May 2024 of International Ayurvedic Medical Journal with ISSN: - 2320-5091
18. "Prevention and Management of Pre – Diabetes Through Yogic Practices & Yogic Diet: An Overview" by Kapil, Dr. Ajai Kumar Pandey & Dr. Kanchan Chowdhury, published in Volume XL, Year XI, Issue May - July, 2024, Page No. 151- 158 of Paniniya, UGC – Care Listed, Quarterly Refereed and Reviewed Research Journal with ISSN: - 2321 – 7626
19. "Impact of Yoga on Male Reproductive Health: A Critical Review" by Dr. Tushar Biswas, Dr. Vineeta Singh & Dr. Kanchan Chowdhury, published in Volume 11, Issue 03, Page No. 678 - 683, August 2024 of International Journal of Research and Analytical Reviews (IJRAR) I (IJRAR.ORG) with E - ISSN 2348-1269, P - ISSN 2349 – 5138
20. "Comparative Study of Yogic Practices and Vyayama on Certain Physical and Mental Variables in Healthy Individuals" by Dr. Jyoti Yadav, Dr. Mamta Tiwari, Prof. Rajiv Vyas, Dr. Vineeta Singh and Dr. Kanchan Chowdhury, published in Volume 15(4), Page No. 879-884, October - December 2024 of International Journal of Ayurvedic Medicine, ISSN No. 0976-5921
21. "Clinical Evaluation of Laghu Shankha Prakshalana in The Management of Madhumeha (Diabetes Mellitus-II): A Case Report" by Sonika, Kapil, Dr. Kanchan Chowdhury and Dr. Vijay Kumar Srivastava published in Volume XXVI S2 2025, Page No. 1277-1281, 03 February 2025 of South Eastern European Journal of Public Health, ISSN No. 2197-5248
22. "A Review on Kharbuja Rasala: A Traditional Ayurvedic Functional Dairy Product." by Garima Yadav and Dr. Kanchan Chowdhury, published in Volume XXVI S2 2025, Page No. 1787-1790, 03 February 2025of South Eastern European Journal of Public Health, ISSN No. 2197-5248
23. Therapeutic effect of yoga on Depressive Disorders among Students in India: A Pilot Study. Sandhya Kumari, Nigam Devi, Km. Priyanka, Dr. Neha Kumari, Dr. Mamta Tiwari, Dr. Ramanand Tiwari, Prof. Mona Srivastav, Prof. Parameswarappa S. ByadgiSEEJPH Volume XXIV S4, 2024, ISSN: 2197-5248;pg 1490-1499
24. A scoping review of Yoga and Nada Yoga Therapy in women with Polycystic ovarian SyndromeShringarikaMishra , Manan Agrawal, Dr. Mamta Tiwari STOM 2024 special issue- I
25. Yoga for PCOS: A Holistic Approach to Improving Symptoms, Quality of Life, and Mental Well-BeingShraddha Chaurasiya, Bajrang Bahadur, Sangeeta Rai, Mamta Tiwari, Royana Singh, Chetan Sahni, International Journal of Ayurvedic Medicine, 15(S1), 79–84.published on 2024-12-15

26. Unlocking the Therapeutic Potential of Surya Namaskara: A Scientific Exploration into its Role in Alleviating Menstrual Disorders Garima Patel, Prof. Sangeeta Gehlot, Dr. Mamta TiwariAfr. J. Biomed. Res. Vol. 27(4s) (November 2024); 3276 – 3285
27. The Role of Yogic Practices in the Management of Stress and Hypertension- A Review Study Rajaneesh Kumar Gupta1, Saurabh Chauhan, Dr. Hare Ram Pandey, Dr. B.N. Maurya, Prof. K.K. Pandey, Dr. Jitendra kumar Sharma, Dr. Mamta TiwariAfr. J. Biomed. Res. Vol. 27(4s) (December 2024); 10323 - 10326 Research Article.
28. "Exploring Therapeutic Potential of Fasting (Upavasa): A Comprehensive Review" by Dr. Tushar Biswas, Dr. Vineeta Singh & Dr. Kanchan Chowdhury, published in Volume 15, Special Issue 01, Page No. 122 - 126, December 2024 of International Journal of Ayurvedic Medicine with ISSN: -0976-5921
29. "Ayurvedic and Modern Nutritional Approaches for the Impact of Probiotics on Human Health: A Review" by Garima Yadav & Dr. Kanchan Chowdhury, published in Volume 15, Special Issue 01, Page No. 188 - 192, December 2024 of International Journal of Ayurvedic Medicine with ISSN: -0976-5921
30. "A Comparative Study of Yogic Practices and Diet Therapy in the Management of Pre–Diabetes WSR to Glycaemic Control: A Case Report" by Kapil, Dr. Ajai Kumar Pandey & Dr. Kanchan Chowdhury, published in Volume 15, Special Issue 01, 2024, Page No. 203 - 206 of International Journal of Ayurvedic Medicine with ISSN: - 0976 – 5921
31. "Impact of Yoga Therapy for the Management of Type-2 Diabetes: A Systematic Review" by Sonika, Dr. Kanchan Chowdhury & Dr. Vijay Kumar Srivastava published in Volume 15, Special Issue 01, 2024, Page No. 151- 156 of International Journal of Ayurvedic Medicine with ISSN: - 0976 – 5921

Books and Book Chapters

1. Kesar, & Nathani, N. (2024). Hathayaugikpraanaayaam: samagrsvaasthysantulankeevaigyaaniktakaneek. In Aadhunik yugmeinyog: shaareerarak, maanasik aur aadhyaatmiksvaasthy (1st ed., pp. 119–132). Roorkee: Well Press Publications. https://doi.org/10.5281/zenodo.13374593
2. Patidar, M., Joshi, D., & Nathani, N. (2025, June). Development and content validation of integrated yoga module for patients with essential tremor. European Journal of Integrative Medicine, 76, Article 102463. ISSN: 1876-3839. https://doi.org/10.1016/j.eujim.2025.102463
3. "Diet & Yogic Practices in the Care & Cure of Pre-Diabetes" by Mr. Kapil, Dr. Ajai Kumar Pandey & Dr. Kanchan Chowdhury, published in Current Trends in Primary Health Care Through Ayurveda, complied by All India Ayurvedic Specialist (PG) Association (Varanasi Branch) with ISSN: - 978-93-5970-953-6, Page No. 342 – 349, Year: 2024
4. "Prevention and Management of Type - 2 Diabetes Through Yogic Practices and Yogic Diet: An Overview" by Miss Sonika, Dr. Vijay Kumar Srivastava & Dr. Kanchan Chowdhury published in Current Trends in Primary Health Care Through Ayurveda, complied by All India Ayurvedic Specialist (PG) Association (Varanasi Branch) with ISSN: - 978-93-5970-953-6, Page No. 342 – 349, Year: 2024
5. "Effect of Yogic Practices Care and Cure of Madhumeha (Diabetes Mellitus - II): An Overview" by Miss Sonika, Kapil, Dr. Vijay Kumar Srivastava & Dr. Kanchan Chowdhury published in Ayurveda Rising - Traditional Wisdom for a Global Future with ISSN: - 978-93-49005-89-1, Page No. 244 - 255, Year: June 2025

Department of Vikrti Vigyan

Research Papers and Articles

1. Prachi Bansal, Anuradha Roy, Sakshi Agrawal, A C Kar, Health benefits and importance of Avena sativa L, International journal of Home Science, 2024, Vol.10 (1), ISSN: 2395-7476, P.183-188
2. Prachi Bansal, Anuradha Roy, Sakshi Agrawal, A C Kar, Significant role of nutraceuticals and functional foods in the management of Metabolic syndrome, International journal of Pharmaceutical Sciences and Research, Sept. 2024, Vol. 15(9), p. 2565-2575, E-ISSN:0975-8232, P-ISSN: 2320-5148
3. Thakur, J. & Kar, A. C., Technological world and its side effects: Management through spiritual practices, Amnayiki, July-Dec.2024 Vol.26,Part-II p.317-322, ISSN: 2277-4270
4. Jigyasa Thakur, Mamta Dwivedi Pandey, A C Kar, Unveiling the risk factors of mobile phone addiction, Paniniya, Jan.2024, Vol. 38(11) p. 110-117, ISSN: 2321-7626
5. Verma, A. Abhishek Kumar, Isha Jaiswal, P S Byadgi & Kar, A. C., The future grains: A prominent nutrient source with significant wellness benefits, African Journal of Biomedical Research, Dec 2024, Vol. 27(4s) p. 10317-10322, ISSN: 1119-5096
6. Aarushi Verma, Isha Jaiswal and A C Kar, Application of various diets and functional foods in the treatment of cancer: Traditional and modern perspectives, Bhaswati, Jul-Dec 2024, p. 287-298, ISSN: 0976-9196
7. Divya Singh, A C Kar, Review of Ayurvedic medicinal plants recommended for the treatment and management of diabetes mellitus, International journal of Home Science, 2024, Vol.10 (2), ISSN: 2395-7476, P.36-40
8. Bhuyan, S.S. & Kar, A.C., Management of Shushka Vicharchika through Shamana Aushadhis- A case report, Journal of Indian System of Medicine, July 2024, Vol.12 (2), p. 120-123. ISSN:2455-5029 (on line) 2320-4419 (print)
9. 9- वशिष्ठ संहिता के विशेष सन्दर्भ में अष्टांगयोग का स्वरूप. अभिषेक कुमार, आरुषि वर्मा, प्रो. पी.एस. ब्याड़गी; पाणिनीया PANINIYA; ISSN-2321-7626 Vol. XXXVIII, Year XI नवम्बर-जनवरी, 2024
10. 10. Clinical efficacy of Gojihvadi Kwath, Shirishadi Kwath, Sanjeevani Vati, Panchagavya ghrita granules & Shunthi Churna for COVID-19 management, a randomized controlled trial. Parameswarappa S Byadgi, Meena Kumari,, Vishwambhar Singh, Arun Kumar Dwivedi, Sunil Kumar Mishra, Sushil Kumar Dubey, Ashvanee Kumar Chaudhary, R N Chaurasia, Namrata Joshi, Hitesh Jani, Rajeev Kumar Mishra, T B Singh, Arunima P S & Remya Jayakumar; Vol. 23 No. 8 (2024): Indian Journal of Traditional Knowledge; Published- August 2024(2024-08-14), pp 729-738; https://doi.org/10.56042/ijtk.v23i8.13109; Impact Factor of IJTK is 0.7 (JCR 2023). CODEN: IJTKB7.(Scopus)
11. Implications of Changed Dietary and Lifestyle Attitudes and Their Association with Diseases, Including Yoga and Ayurveda: Monika Devi, Nigam Devi, Ayushi Dwivedi & Parameswarappa S Byadgi: J. Adv. Res. in Ayurveda, Yoga, Unani, Sidhha & Homeopathy; Volume 11, Issue 1&2 - 2024, Pg. No. 6-12; Peer Reviewed & Open Access Journal; DOI: https://doi.org/10.24321/2394.6547.202406; ISSN: 2394-6547; DOI: https://doi.org/10.24321/2394.6547.202406
12. Therapeutic effect of Yoga on Depressive Disorders among Students in India: A Pilot Study. Sandhya Kumari, Nigam Devi, Km. Priyanka, Dr. Neha Kumari, Dr. Mamta Tiwari, Dr. Ramanand Tiwari, Prof. Mona Srivastav, Prof. Parameswarappa S. Byadgi. South Eastern European Journal of Public Health (ISSN: 2197-5248); (SEEJPH), Volume XXIV S4, 2024, ISSN: 2197-5248; Posted:02-08-2024.(Scopus)
13. Effectiveness of Surya Namaskar and Diet to Surmount the Defi ciency of Vitamin B12 and Vitamin D. Nigam Devi, Divya Singh, Monika Devi, Ayushi Dwivedi, Parameswarappa S Byadgi; J. Adv. Res. in Ayurveda, Yoga, Unani, Sidhha & Homeopathy; Volume 11, Issue 1&2 - 2024, Pg. No. 13-19; Peer Reviewed & Open Access Journal; (ISSN: 2394-6547)
14. Implication of changed dietary and lifestyle attitudes and their association with diseases, including yoga and Ayurveda . Monika Devi, Nigam Devi, Ayushi Dwivedi, Prof. Parameswarappa S Byadgi., Journal of Advanced Research in Ayurveda, Yoga, Unani, Siddha and Homeopathy (ISSN: 2394-6547); Vol. 11 No. 1&2 (2024): Journal of Advanced Research in Ayurveda, Yoga, Unani, Siddha and Homeopathy; DOI: https://doi.org/10.24321/2394.6547.202406; Devi M, Devi N, Dwivedi A, Byadgi P S. Implications of Changed Dietary and Lifestyle Attitudes and Their Associati on with Diseases, Including Yoga and Ayurveda. J Adv Res Ayur Yoga Unani Sidd Homeo. 2024;11 (1&2): 6-12.
15. Stress management including yoga mediation and relaxation techniques. Monika Devi, Prof. Parameswarappa S Byadgi, Paniniya, volume XXXIX, Year XI, Feb to April 2024, page no. 118,ISSN: 2321-7626, (UGC CARE List)
16. Therapeutic Benefit of Nadayoga for the Management of Insomnia. Ayushi Dwivedi, Mona Srivastava, , Prof. Parameswarappa S Byadgi. African Journal of Biomedical Research, Vol .27 (4s) December 2024; ISSN: 12205-12209, DOI: https://doi.org/10.53555/AJBR.v27i4S.6090 (Scopus & Web of Science).
17. The Future Grains: A Prominent Nutrient Source with Significant Wellness Benefits. Aarushi Verma, Abhishek Kumar, Dr. Isha Jaiswal, Prof. Parameswarappa S Byadgi, Prof. A.C. Kar. African Journal of Biomedical Research, Vol .27 (4s) December 2024; ISSN: 12205-12209, DOI: https://doi.org/10.53555/AJBR.v27i4S.5539 (Scopus & Web of Science).
18. Effetivenss of surya Namskara and Diet to Surmount the Deficiency of Vitamin B12 and Vitamin D. Nigam Devi, Divya Singh, Monika Devi, Ayushi Diwedi, Prof. Parameswarappa S Byadgi. Journal of Advanced Research in Ayurveda, Yoga, Unani, Siddha and Homeopathy, Volume 11 issue 1&2 -2024, page no. 6-12, ISSN: 2394-6547, DOI: https://doi.org/10.24321/2349.7181.202408
19. The Impact of Hormones on Nutritional Disorders, Mrs. Pratibha Singh1, Dr. Neha kumari , Dr. Parameswarappa S. Byadgi, African Journal of Biomedical Research, Vol .27 (4s) December 2024; ISSN: 12205-12209, DOI: https://doi.org/10.53555/AJBR.v27i4S.6109 (Scopus & Web of Science).
20. PROMOTING ORAL HEALTH EQUITY: ADDRESSING DISPARITIES AND FOSTERING POSITIVE ATTITUDES IN INDIA. Dr Archana Koul, Dr. A. Bhoomadevi, Dr. Parameswarappa S. Byadgi, Dr. Geo Jos Fernandez, Dr. Soumik Gangopadhyay, Dr. Shikha Singh. DOI: https://doi.org/10.70135/seejph.vi.3796. South Eastern European Journal of Public Health (ISSN: 2197-5248). Volume XXV S2 2024. (Scopus)
21. A Review of Relation Between Agnibala, Gut Microbe and Depressive Disorders. Mrs. Sandhya Kumari, Dr. Neha kumari, Dr. Mamta Tiwari, Prof. Mona Srivastav Prof. Parameswarappa S. Byadgi. DOI: https://doi.org/10.52783/fhi.vi.1961. Vol. 13 No. 7 (2024). Frontiers in Health Informatics. ISSN-Online: 2676-7104 (Scopus)
22. Management of Cardiovascular Disease with the Help of Shatkarma and Panchakarma. Ayushi Dwivedi, Monika Devi, Nigam Devi, Neha Kumari, Parameswarappa S Byadgi. J. Adv. Res. in Ayurveda, Yoga, Unani, Sidhha & Homeopathy; Volume 11, Issue 1&2 - 2024, Pg. No. 20-25; Peer Reviewed & Open Access Journal. DOI: https://doi.org/10.24321/2349.7181.202409
23. Sharma, Himanshu; Mandal, Sisir Kumar. The quietism of the forthcoming pangs of conscience (Chatur-vyuhavada): Through Yogic lifestyle. Paniniya UGC-Care Journal, Aug-Oct 2024, Vol.XLI. Year XI, ISSN- 2321-7626,pg no:137-143.
24. V, Varsha; Mandal, Sisir Kumar; Mishra, Angkita; Yadav, Vijay Singh. Role of Different Herbs in Diabetes Mellitus. World Journal of Pharmacy and Pharmaceutical Sciences, Volume 14, Issue 2, 1106-1113, ISSN 2278-4357.
25. Sahu, Girwar; Yadav, Vijay Singh; Mandal, Sisir Kumar. Shrimadbhagavatgeeta Dwara Pramarsha: Ek Adhyayan. Paniniya UGC-Care Journal, May-July 2024, Vol. XI. Year XI, ISSN- 2321-7626, pg no: 54-59.
26. Mishra, Angkita; Mandal, Sisir Kumar; Goswami, Pradip Kumar1. Importance of nutrition in the management of Psoriasis vulgaris: An observation. Journal of Ayurveda Case Reports 7(4):p 191-196, Oct–Dec 2024. | DOI: 10.4103/jacr.jacr_26_24
27. Mishra, Angkita; Mandal, Sisir Kumar; Goswami, Pradip Kumar; Chakravorty, Sukanya; Sahu, Girwar. Indigenous Ayurvedic Dietary Regimens For The Management Of Psoriasis: A Review, African Journal of Biomedical Research, 27, (2024),(4S), 1218312187, https://doi.org/10.53555/AJBR.v27i4S.6088
28. Dr. Ramanand Tiwari, 9th National Ayurveda Day 2024 "Ayurveda Innovation for Global Health" Celebrated on 21st to 29th October, 2024
29. Dr. Ramanand Tiwari, " National Seminar on Indigenous Cow, Organic Farming and Panchagavya Chikitsa" held on 21st & 22nd September 2024.
30. Dr. Ramanand Tiwari, as Delegate in Three-Day Training Programme on Research Methodology & Scientific Writing organized by Rashtriya Ayurveda, Vidyapeeth (RAV) during 11th to 13th September 2024.
31. Dr. Ramanand Tiwari, National Workshop cum live Demonstration of Laser Therapy on Benign Anorectal Diseases nd Varicose Veins.
32. Anuja Kumari, Dr. P. Tewari, Prof. Sunita Suman, Dr. Amita Diwakar."Role of Yogic Practices in Obesity(Weight gain) in Menopausal Women" in International Journal of Novel Research and Development(IJNRD), An international Open Access, Multi Disciplinary, Monthly, Peer Reviewed, Refereed Journal, August 2024, Date : 2024-08-20, https://ijnrd.org/papers/IJNRD2408218.pdf, Vol 9, issue 8, ISSN: 2456-4184, Impact factor: 8.76, , pg: 149-153.
33. Vandana Singh, Garima Upadhyay, Priyadarshini Tewari, "Diet and Lifestyle Assessment of Overweight and Obese Patients" African Journal of Biomedical Research, Vol.27(3s) September 2024; DOI: https://doi.org/10.53555/AJBR.v27i3S.6082, ISSN 1119-5096, 6817-6822.

Books and Book Chapters

1. MADHAVA NIDAN, Shlokavali, Chaukhambha Publications, Publishers and Distributors of Oriental Cultural Literature, 4262/3, Ansari Road, Darya Ganj, Delhi-110002, Vol.I, ISBN: 978-81-959408-8-2, Edition: First, 2024
2. Yadav, Vijay Singh; Mandal, Sisir Kumar. Keshgata Roga Evam Chikitsa. Published by Chaukhamba Classica, Varanasi 221001. India, First Edition- 2025,ISBN- 978-93-91730-86-4.
3. FOOD SECURITY IN INDIA; Mrs. Pratibha Singh and Parameswarappa S. Byadgi; book-FOOD SECURITY; Published by Mahima Research Foundation and Social Welfare, 194, Karaundi, Banaras Hindu University, Varanasi-221 005, UP, India; Reg. # 643/2007-2008, www.mrfsw.org; ISBN: 978-81-965883-2-8; Publication Date: 10th January 2024
4. Chapter 24; Effect of Gayatri Mantra Chanting On Anxiety Disorder; Ms. Nigam Devi, Dr. Parameswarappa S. Byadgi. CURRENT TRENDS IN PRIMARY HEALTH CARE THROUGH AYURVEDA By ALL INDIA AYURVEDIC SPECIALISTS (PG) ASSOCIATION (Varanasi branch); Chief Editor: Dr. Rashi Sharma; Copyright © AIASPGA New Delhi, 2024; ISBN: 978-93-5970-953-6; Published by shabd.in; url: https://shabd.in; Email: info@shabd.in; Shabd Online Pvt Ltd 2/38 Ansari Road, Daryaganj, New Delhi – 110002; Website: https://shabd.in; PAGES- 168-176
5. Sharma, Himanshu; Mandal, Sisir Kumar. Inculcation of Value Education through Yoga.Teaching and learning of Values: Necessity of Humankind, publishedby Manglam Publication. Delhi- 110053.India, First Edition-2024, ISBN-978-81-19681-28-0, pg no: 48-58.
6. Anuja kumari, P. Tewari "Menopause and its effect (Specially in Hot Flushes) in women's Health and Helpful Yogic Practices: A Review" UTKARSHINI, by Advik Publication Pvt. Ltd. Delhi, First Edition 2024, ISBN: 978-81-969062-0-7, , pg no: 108-121.
7. Shikha Pandey, P.Tewari "Role of Self-Help Groups as Change Agent in Women Empowerment" UTKARSHINI, by Advik Publication Pvt. Ltd. Delhi, ISBN: 978-81-969062-0-7, First Edition 2024, pg no: 132-147.
8. Dr. Rishanki Gupta, Dr. Rajkala Patil, Dr. P. Tewari, "Managing Amavata During The Ama Stage: An In-Depth Analysis" Current trends in Primary Health Care through Ayurveda compiled by All India Ayurvedic Specialist (PG) Association-Varanasi Branch, ISBN: 978-93-5970-953-6, pg no: 259-268.(August 2024)

Institute of Management Studies

Research Papers and Articles

1. Kumari, N., & Biswas, A. (2024). Money at my fingertips: Decoding the role of referent network size and financial knowledge in reinforcing continuance intention of M-payment services. Journal of Organizational Computing and Electronic Commerce. Vol. 34 No. 4, pp. 267-298. ISSN: 1091-9392. https://doi.org/10.1080/10919392.2024.2362970 (Taylor & Francis; ABDC-A; Scopus Q1; WoS; H-Index = 53; IF = 2.9; CS = 5.8; SJR = 0.57).
2. Chaudhary. M, & Biswas, A. (2025). Vision vs venture: Persistence, narcissism, E-platform knowledge and support in entrepreneurship. Management Decision. Vol. ahead-of-print No. ahead-of-print. ISSN: 0025-4717. https://doi.org/10.1108/MD-06-2024-1449 (Emerald; ABDC-B; Scopus Q1; WoS; H-Index = 138; IF = 5.8; CS =8.2; SJR = 1.02).
3. Biswas, A. (2024). Deciphering predictors of tourists' value and intention amid COVID-19: The interplay of scarcity, enjoyment, visual presentations, and pandemic threat. International Journal of Human-Computer Interaction. Vol. 40 No. 17, pp. 1-20. ISSN: 4627-4646. https://doi.org/10.1080/10447318.2023.2218783 (Sole Author; Taylor & Francis; ABDC-B; Scopus Q1; WoS; H-Index = 100; IF = 4.7; CS = 9.0; SJR = 1.17).
4. Biswas, A. (2024). From passion to profit: Unveiling the strengths of proactive mindset, perseverance, excellence, and education in the entrepreneurial success of MSMEs. International Journal of Productivity and Performance Management. Vol. 73 No. 8, pp. 2530-2557. ISSN: 1741-0401. https://doi.org/10.1108/IJPPM-05-2023-0269 (Sole Author; Emerald; ABDC-B; Scopus Q1; WoS; H-Index = 83; IF = 8.2; CS = 7.9; SJR = 0.95).
5. Biswas, A. (2025). Navigating the travel norms: The interplay of online reviews, credibility and hedonic motivation in the hotel industry. Journal of Quality Assurance in Hospitality & Tourism. ISSN: 1528-008X. https://doi.org/10.1080/1528008X.2025.2506479 (Sole Author; Taylor & Francis; ABDC-B; Scopus Q1; WoS; H-Index = 48; IF = 2.6; CS = 7.0; SJR = 0.64).
6. Singh, A., & Biswas, A. (2024). Dissecting investment frequency: Examining the role of social influence, investors' perception of gender discrimination, involvement, access to information, and risk tolerance. Social Responsibility Journal. Vol. 20 No. 10, pp. 2212-2236. ISSN: 1747-1117. https://doi.org/10.1108/SRJ-11-2023-0671 (Emerald; ABDC-B; Scopus Q1; WoS; H-Index = 63; IF = 4.0; CS = 7.3; SJR = 0.89).
7. Saha, P., & Biswas, A. (2025). Seal the deal: Unleashing the magnitude of online reviews, website quality, and trust for seamless hotel reservations. International Journal of Productivity and Performance Management. Vol. 74 No. 4, pp. 1125-1155. ISSN: 1741-0401. https://doi.org/10.1108/IJPPM-04-2024-0272 (Emerald; ABDC-B;Scopus Q1; WoS; H-Index = 83; IF = 8.2; CS = 7.9; SJR = 0.95).
8. Biswas, A., Jaiswal, D., & Kant, R. (2024). Looking beyond transactions: Decoding the role of service innovation,relationship commitment, and fairness in driving customer satisfaction in retail banking. Benchmarking: An International Journal. ISSN: 1741-0401. https://doi.org/10.1108/BIJ-07-2022-0435 (Emerald; ABDC-B; Scopus Q1; WoS; H-Index = 89; IF = 5.6; CS = 10.4; SJR = 1.10).
9. Chaudhary. M, & Biswas, A. (2024). From mindset to market: Unveiling the nexus of cognition, behavior, and environment in igniting student' E-entrepreneurial intentions. International Journal of Educational Management. ISSN: 0951-354X. https://doi.org/10.1108/IJEM-11-2023-0550 (Emerald; ABDC-B; Scopus Q1;WoS; H-Index = 69; IF = 2.4; CS = 4.3; SJR = 0.68).
10. Chaudhary. M, & Biswas, A. (2024). Igniting the flames of entrepreneurial intentions: Unravelling the dynamics of perceived business feasibility, self-perceived altruism, innovativeness, and uncertainty among university students. https://doi.org/10.1177/09721509241288008 Global Business Review. ISSN: 0973-0664 (SAGE; ABDC; Scopus Q1; WoS; H-Index = 52; IF = 2.5; CS = 7.1; SJR = 0.58).
11. Singh, A., & Biswas, A. (2025). Decoding the investment dilemma: The interplay of interest, trust, information and financial awareness. Journal of Financial Counseling and Planning. ISSN: 1947-7910.https://doi.org/10.1891/JFCP-2023-0141 (Springer; ABDC; Scopus Q2; WoS; H-Index = 55; IF = 2.0; CS = 3.6; SJR= 0.51).
12. *Verma, R. K., & Kumar, R. (2024). Springs of digital disruption: mediation of blockchain technology adoption in retail supply chain management. International Journal of Electronic Marketing and Retailing, 15(6), 687-708. https://doi.org/10.1504/IJEMR.2024.141817.
13. *Verma, R. K., & Kumar, R. (2024). Springs of digital disruption: mediation of blockchain technology adoption in retail supply chain management. International Journal of Electronic Marketing and Retailing, 15(6), 687-708. https://doi.org/10.1504/IJEMR.2024.141817.
14. Mishra U. and Mohan A. (2024). AI Device Usage and Acceptance Model: Assessing the Effects of AI Recommendations on Behavioural Intentions. Annals of Bhandarkar Oriental Research.

Institute of Science

Department of Biochemistry

1. Singh A, Mahapatra B, Srivastava A., Singh S, Das P, Singh RK*. Antigens activatedCD200R+SOCS3+CD4+T cells are critical to Leishmania pathogenesis and a distinctive target forvaccine development. Vaccine, 2025; 62, 127501
2. S Singh, RK Singh. Mycobacterium spp. exposure, childhood vaccinations, and earlychildhood brain and CNS cancers. Frontiers in Immunology 2025, 16, 1497436.
3. YadavCl, Anamika, Singh R, Kumar A, Singh RK, Drew GB, Manar KK, Singh N. Anti-leishmanial Study of Discrete Tetrahedral Zinc(II) β-oxodithioester Complexes. New Journal ofChemistry 2025, 49, 484-496.
4. Keshari M, Jaiswal S, Mahapatra B, Singh RK, Kumar R. RAFT Synthesis of Self-Assembled Poly(Acrylic Acid)-b-poly(N-Acryloyl-L-Tryptophan) Polymer: Investigating MicelleFormation and Biocompatibility. Macromolecular Chemistry and Physics, 2025,https://doi.org/10.1002/macp.202500108.
5. Mahapatra B, Singh A, Banerjee A, Sirohi S, Singh S, Dubey VK, Singh RK*. A squaleneoil emulsified MPL-A and anti-CD200/CD300a antibodies adjuvanted whole-killed Leishmaniavaccine provides durable immunity against L.donovani parasites. Vaccine, 2024,https://doi.org/10.1016/j.vaccine.2024.126373.
6. Singh A, Mahapatra B, Banerjee A, Singh S, Singh Sangram, Dubey VK, Singh RK*.CD200R+ antigen activated CD4+ T cells are main IL-10 producing phenotype and an importantdeterminant of visceral leishmaniasis pathogenesis. Cytokine, 2024, 173:156435. doi:10.1016/j.cyto.2023.156435.
7. Kumari K, Singh A, Chaudhary A, Singh RK, Shanker A, Kumar V, Haque R*. Neoantigenidentification and Dendritic Cell-Based vaccine for Lung Cancer Immunotherapy. Vaccines, 2024,12, 498. https://doi.org/10.3390/vaccines12050498.
8. Sharma S, Anand A, Singh R, Singh RK*, Verma S*. Peptide-triggered IL-12 and IFN-γmediated immune response in CD4+ T-cells against Leishmaniadonovani infection.ChemComm., 2024: 60, 4092-4095.
9. Dixit J, Kumar P, Singh R Verma P, Singh RK, Mihsra SK, Singh J, Tiwari KN*. Bio-basedsynthesis of silver nanoparticles using leaf extract of Urariapicta (Jacq.) Desv. ex DC.:Characterization and evaluation of its activity against Leishmaniadonovani Biomass Conversionand Biorefinery, 2024 https://doi.org/10.1007/s13399-024-05736-6.
10. S. Kumar, A. Mishra, S.P. Singh and Anchal Singh. Anti-filarial efficacy ofCentratherumanthelminticum: Unravelling the underlying mechanisms through biochemical, HRAMS proteomics and MD simulation approaches. RSC Advances,2024, 14, 25198-25220.
11. Anchal Singh: Climate Change and Extreme Environmental Exposures: Impacts onthe Immune System (In: Climate Smart Agriculture- Innovative Approaches forPlant Protection and Crop Management), MRFSW, India {978-81-965883-0-4},2024.
12. T. Singh, S. Sharma, S. Kumar and Anchal Singh: Impact of Climate Change onDynamics and Outcomes of Host-Pathogen Interactions (In: Climate Smart Agriculture-Innovative Approaches for Plant Protection and Crop Management),MRFSW, India {978-81-965883-0-4}, 2024.
13. S. Kumar, A. Mishra, V. Kumar, T. Singh, A. K. Singh and Anchal Singh.Designing and Comparative Analysis of Anti-oxidant and Heat shock proteins basedmulti- epitope filarial vaccines, BMC Infectious diseases, 2024, 24:1436.
15. A. Mishra, S. Kumar, V. Kumar, H.O. Singh and Anchal Singh. HRAMSproteomics insights on the anti-filarial effect of Ocimum sanctum: Implications in phytochemical based drug-targeting and designing. Proteomes, 2024, 13, 2.
16. P. Dubey, S. Sharma, T. Singh and Anchal Singh. Biofortification: An InnovativeApproach for Climate Smart Agriculture (In: An Innovative Approach for ClimateSmart Agriculture), MRFSW, India {978-81-965883-3-5} 2025.
17. PriyeshDubey, Lalsa Bharti, Sunil Kumar, and Anchal Singh: Agroforestry for extreme 8. weather resilience and alternate source of income for small scale farmers, Volume: 11, No.: 9. 1, Year: 2025; Page No.: 18-29 10. PriyeshDubey, Lalsa Bharti, Sunil Kumar, and Anchal Singh: Agroforestry for extreme 11. weather resilience and alternate source of income for small scale farmers, Volume: 11, No.: 12. 1, Year: 2025; Page No.: 18-29 13. PriyeshDubey, Lalsa Bharti, Sunil Kumar, and Anchal Singh: Agroforestry for extreme 14. weather resilience and alternate source of income for small scale farmers, Volume: 11, No.: 15. 1, Year: 2025; Page No.: 18-29Priyesh Dubey, Lalsa Bharti, Sunil Kumar, and Anchal Singh: Agroforestry for extreme weather resilience and alternate source of income for small scale farmers, Volume: 11, No.: 1, Year: 2025; Page No.: 18-29 16. PriyeshDubey, Lalsa Bharti, Sunil Kumar, and Anchal Singh: Agroforestry for extreme 17. weather resilience and alternate source of income for small scale farmers, Volume: 11, No.: 18. 1, Year: 2025; Page No.: 18-29
18. PriyeshDubey, Lalsa Bharti, Sunil Kumar, and Anchal Singh. "Agroforestry forextreme weather resilience and alternate source of income for small scale farmers",Indian Journal of Agriculture and Allied Sciences, 2025, 11, 1.
19. Anchal Singh. "Neuropsychiatric complications of HIV" 2024, 1st edition, AcademicPress, USA {978-0-12-818851-4}.
20. Nayak, T., Kakkar, A., Jaiswal, L. K., Kandwal, G., Singh, A. K., Temple, L., & Gupta, A. (2025). Characterization of a novel virulent mycobacteriophage Kashi-SSH1 (KSSH1)depicting genus-specific broad-spectrum anti-mycobacterial activity. Life Sciences, 369,123546.
21. Kakkar, A., Kandwal, G., Nayak, T., Jaiswal, L. K., Srivastava, A., & Gupta, A. (2024). Engineered bacteriophages: A panacea against pathogenic and drug resistant bacteria. Heliyon, 10(14).
22. Jaiswal, L. K., Singh, R. K., Nayak, T., Kakkar, A., Kandwal, G., Singh, V. S., & Gupta, A. (2024). A comparative analysis of mycobacterial ribonucleases: towards a therapeutic novel drug target. Infection, Genetics and Evolution, 123, 105645.
23. Mathew, R. P., Sawale, S. A., Gupta, A., & Pandey, S. M. (2025). Immunology and pathogenesis of

Trichomonasvaginalis and HIV coinfection. In Trichomonasvaginalis (pp. 155-179). Academic Press.

24. Singh OP, Chaubey R, Kushwaha AK, Fay MP, Sacks D, Sundar S. (2024).Visceral Leishmaniasis-Human Immunodeficiency Virus-Coinfected Patients Are HighlyInfectious to Sandflies in an Endemic Area in India. J Infectious Diseases. 2024 Jun14;229(6):1909-1912.24.
25. Cloots K, Singh OP, Singh AK, Rai TK, Tiwari VD, Neyaz A, Pandey S, Scholar VK,Malaviya P, Hasker E, Sundar S (2024) Monitoring of Leishmania transmission in thepostelimination phase: The potential of serological surveys. .International Journal ofInfectious Diseases. 2024 Oct;147:107153. doi: 10.1016/j.ijid.2024.107153. (jointfirst author).
26. Sundar S, Singh VK, Agrawal N, Singh OP, Kumar R (2024).Investigational newdrugs for the treatment of leishmaniasis. .Expert Opinion of Investigation Drugs.2024 Oct;33(10):1029-1046. doi: 10.1080/13543784.2024.2400139.
27. Kushwaha AK, Shukla A, Scorza BM, Chaubey R, Maurya DK, Rai TK, Yaduvanshi S,Srivastava S, Oliva G, Le Rutte EA, Kumar R, Singh OP, Tiwary P, Singh SK,Bernhardt SA, Lawyer P, Rowton E, Petersen CA, Sundar S (2024). Dogs asReservoirs for Leishmaniadonovani, Bihar, India, 2018-2022. .Emerging InfectiousDiseases. 2024 Dec;30(12):2604-2613. doi: 10.3201/eid3012.240649.
28. Chaubey R, Shukla A, Kushwaha AK, Singh SK, Singh OP, Kumar R, Lawyer P,Rowton E, Petersen CA, Bernhardt SA, Sundar S. (2024). Monitoring alpha-cypermethrin susceptibility of Phlebotomusargentipes, the vector ofvisceral leishmaniasis in India, using the CDC bottle bioassay. Parasite Vectors.2024 Dec 5;17(1):503. doi: 10.1186/s13071-024-06579-w.
29. Orucho VO, Gupta A, Masai RJ, Ondari E, Singh OP, Nyagaka B, Selvapandiyan A.(2024). Diagnostic techniques for visceral leishmaniasis: An overview of methodsused in East Africa. Diagnostic Microbiology & Infectious Diseases. 2025Mar;111(3):116655. doi: 10.1016/j.diagmicrobio.2024.116655. Epub 2024 Dec 14.
30. Pandey V, Bera RN, Diwedi AND, Singh OP, Tiwari P. (2024). Color DopplerUltrasound Indices as Predictors of Propranolol Response in Infantile Hemangioma: AProspective Study. Indian Paediatric. 2024 Mar 15;61(3):237-242.
31. Vaishali Raghuvanshi, Jyotsna Singh, Saurabh Sharma, Ray Butcher, SaripellaSrikrishna, DikshaKatiyar. Anti-metastatic cancer potential of 4H-chromene derivatives targeting JNK in scribble knockdown induced epithelial cancer model: In vivo and in silico studies. Bioorganic Chemistry, 163 108741, 2025
32. Jyotsna Singh, SaripellaSrikrishna*, Scribble knockdown induced metastasis, identification of its associated novel molecular candidates through Proteome studies, Biochemical and Biophysical Research Communications 769 151999 2025
33. Rohit Kumar, SaripellaSrikrishna* JNK Kinase regulates cachexia like syndrome in scribble knockdown tumor model of Drosophila melanogaster.Developmental Biology (https://doi.org/10.1016/j.ydbio.2024.09.005), 517 28-38, 2025
34. Gauri Shankar, Prabhat Kumar, SanskritiRai, SaripellaSrikrishna, Saroj Kumar, GyanModi, Discovery of novel hybrid tryptamine-rivastigmine molecules as potent AChE and BChE inhibitors exhibiting multifunctional properties for the management of Alzheimer's disease European Journal of Medicinal Chemistry 283 117066 2025.
35. PoorviSaraf, Bhagwati Bhardwaj, AkashVerma,,SaripellaSrikrishna, Sushant Kumar Shrivastava. Design, synthesis, and evaluation of benzhydrylpiperazine-based novel dual COX-2/5-LOX inhibitors with anti-inflammatory and anti-cancer activity RSC Medicinal Chemistry 16 200-220 2025
36. Jitendra Kumar, Gauri Shankar, Sunil Kumar, SaripellaSrikrishna, Saroj Kumar, Amit Kumar Singh, Pradeep Kumar, KavindraNath Tiwari, Sairam Krishnamurthy, GyanModi, Sunil Kumar Mishra, Design, synthesis and biological evaluation of novel piperic acid and benzylpiperazine hybrid molecules for improvement of memory impairment via cholinesterase inhibitory activity, Chemical Papers 79 395-415 2025
37. VikasYadav, Rohit Kumar, SaripellaSrikrishna, Virendra Prasad Desulfonylative halogenation of arenesulfonyl chlorides using N-halosuccinimides: Synthesis, molecular docking, and anti-Alzheimer activity Bioorganic & Medicinal Chemistry Letters 128 130321 2025.
38. GokilaVani SU, Monika Bansal, SaripellaSrikrishna, ShraddhaShilpi, AabidaTaslim, SunainaKushwaha, SandhyaKumari HORIZONTAL AUGMENTATION VIA RIDGE SPLITTING AND EXPANSION FOR IMPLANT PLACEMENT IN ATROPHIC SITES-A PROSPECTIVE NON-RANDOMIZED CONTROLLED TRIAL. Journal of Oral Implantology
39. Pradeep Kumar, Rohit Kumar, Prabhat Kumar, SunainaKushwaha, SandhyaKumari, Neha Yadav, SaripellaSrikrishna* LC-Orbitrap HRMS-Based Proteomics Reveals Novel Mitochondrial Dynamics Regulatory Proteins Associated with Ras V12-Induced Glioblastoma (GBM) of Drosophila Journal of Proteome Research 235030-5047, 2024
40. ShreanshiAgrahari, Ankit Kumar Singh, Ida Tiwari, SaripellaSrikrishna Label free and ultrasensitive electrochemical detection of carcinoembryonic antigen using a disposable aptasensor based on Pd and graphene Microchemical Journal 205111359 2024.
41. NidhiSachan, SaripellaSrikrishna, Devendra Kumar Patel, MahendraPratap Singh. Deferoxamine Ameliorates Cypermethrin-Induced Iron Accumulation and Associated Alterations. Molecular Neurobiology 61 4178-4187
42. SaritaGond, Avanish Kumar Singh, PranjaleeYadav, Pradeep Kumar, S Srikrishna, Vinod P Singh, A coumarin derived turn ‘off–on-off’probe for selective sequential monitoring of Al3+ and Cu2+ ions with bio-imaging application, Journal of Photochemistry and Photobiology A: Chemistry 454 115744 2024.
43. Pawan Kumar Sada, Amit Bar, Amanpreet Kaur Jassal, Prabhat Kumar, S Srikrishna, Alok Kumar Singh, Sumit Kumar, Laxman Singh, AbhishekRaiA Novel Rhodamine Probe Acting as Chemosensor for Selective Recognition of Cu2+ and Hg2+ Ions: An Experimental and First Principle Studies, Journal of Fluorescence, 34, 2035-2055, 2024.
44. Gourav Singh, Sunil Kumar, Samir Ranjan Panda, Prabhat Kumar, SanskritiRai, HimanshuVerma, Yash Pal Singh, Saroj Kumar, SaripellaSrikrishna, VGM Naidu, GyanModi, Design, Synthesis, and Biological Evaluation of Ferulic Acid-Piperazine Derivatives Targeting Pathological Hallmarks of Alzheimer’s Disease, ACS Chemical Neuroscience15 2756-2778, 2024.
45. Sana Sarkar, Anuj Pandey, Sanjeev Kumar Yadav, PragatiRaghuwanshi, Mohammed Haris Siddiqui, SaripellaSrikrishna, Aditya Bhushan Pant, Sanjay Yadav MicroRNA-29b-3p degenerates terminally differentiated dopaminergic SH-SY5Y cells by perturbation of mitochondrial functions Journal of Neurochemistry 168 1297-1316, 2024.
46. NidhiSachan, SaripellaSrikrishna, Devendra Kumar Patel, MahendraPratap Singh, Deferoxamine Ameliorates Cypermethrin-Induced Iron Accumulation and Associated Alterations, Molecular Neurobiology 61, 4178-4187 2024.
47. Jitendra Kumar, Gauri Shankar, Sunil Kumar, Jobin Thomas, Neha Singh, SaripellaSrikrishna, JitendraSatija, Sairam Krishnamurthy, GyanModi, Sunil Kumar Mishra, Extraction, isolation, synthesis, and biological evaluation of novel piperic acid derivatives for the treatment of Alzheimer’s disease, Molecular Diversity, 28, 1439-1458, 2024.
48. HimanshuRai, Rishabh Singh, Prahalad Singh Bharti, Prabhat Kumar, SanskritiRai, TanmaykumarVarma, Brijesh Singh Chauhan, AishwaryaSrikantNilakhe, Joy Debnath, RenuDhingra, Vijay N Mishra, Sarika Gupta, Sairam Krishnamurthy, Jian Yang, PrabhaGarg, SaripellaSrikrishna, Saroj Kumar, GyanModi Rhodanine composite fluorescence probes to detect pathological hallmarks in Alzheimer's disease models, Sensors and Actuators B: Chemical, 407, 135364, 2024
49. AkashVerma, Digambar Kumar Waiker, Neha Singh, Abhinav Singh, PoorviSaraf, Bhagwati Bhardwaj, Pradeep Kumar, Sairam Krishnamurthy, SaripellaSrikrishna, Sushant Kumar Shrivastava, Lead optimization based design, synthesis, and pharmacological evaluation of quinazoline derivatives as multi-targeting agents for Alzheimer's disease treatment, European Journal of Medicinal Chemistry 271 116450, 2024.
50. Digambar Kumar Waiker, AkashVerma, TA Gajendra, Anima Roy, Pradeep Kumar, Surendra Kumar Trigun, SaripellaSrikrishna, Sairam Krishnamurthy, Vincent Jo Davisson, Sushant Kumar Shrivastava Design, synthesis, and biological evaluation of some 2-(3-oxo-5, 6-diphenyl-1, 2, 4-triazin-2 (3H)-yl)-N-phenylacetamide hybrids as MTDLs for Alzheimer's disease therapy. European Journal of Medicinal Chemistry 271 116409 2024.
51. Ananya Srivastava, Gautam Kumar, Prabhat Kumar, S Srikrishna, Pranjal Chandra, Vinod P Singh Thiazole-Based Silver Ion Sensor for Sequential Colorimetric Visualization of Epinephrine in the Brain Tissues of an Alzheimer’s Disease Model of Mouse. ACS Applied Bio Materials. 7 3271-3282 2024
52. PrashantRai, Rohit Kumar, Jyotsna Singh, SrikrishnaSaripella, Nageswara Rao Golakoti Synthesis, Characterization, In-Vitro and In-Vivo Anti-Cancer Evaluation of Novel Benzopyrylium Salts on Colorectal Cancer Model of Drosophila. Melanogaster Chemistry Select 9 e202304328 2024
53. Gourav Singh, Gauri Shankar, Samir Ranjan Panda, Sunil Kumar, SanskritiRai, HimanshuVerma, Prabhat Kumar, Prasanta Kumar Nayak, VGM Naidu, SaripellaSrikrishna, Saroj Kumar, GyanModi, Design, Synthesis, and Biological Evaluation of Ferulic Acid Template-Based Novel Multifunctional Ligands Targeting NLRP3 Inflammasome for the Management of Alzheimer’s Disease, ACS Chemical Neuroscience 15 1388-1414 2024.

Books and Book Chapters

1. Singh OP & shyamSundar (2025) Kala-Azar in the Indian Subcontinent: Elimination and impending threat to it. Medicine Update 2025. Volume 35 (ISBN:9789366168357).
2. Yadav, R., Bansal, V., Singh, A., Sinha, N., Tiwari, P.*, & Singh, C.* (2025). Metabolomics-based predictive biomarkers of oral cancer and its severity in human patients from North Indiausing saliva. Molecular Omics, 21, 270-281
3. Das, R., Kumar, A., Singh, C., & Kayastha, A. M. (2025). Innovative synthesis approachesand health implications of organic-inorganic Nanohybrids for food industry applications. FoodChemistry, 464, 141905.
4. Yadav, R., Gupta, D. P.*, & Singh, C.* (2025). Lock and key: Quest to find the mostcompatible membrane mimetic for studying membrane proteins in nativeenvironment. BiochimicaetBiophysicaActa (BBA)-Biomembranes, 184414.
5. Gautam, P., Yadav, R., Vishwakarma, R. K., Pathak, A.*, & Singh, C.* (2025). Metabolicdysregulation in amyotrophic lateral sclerosis: insights from 1H NMR-based metabolomics ina tertiary care center in India. Metabolic Brain Disease, 40(5), 196.
6. Gautam, P., Yadav, R., Vishwakarma, R. K., Shekhar, S., Pathak, A.*, & Singh, C.* (2025).An Integrative Analysis of Metagenomic and Metabolomic Profiling Reveals Gut MicrobiomeDysbiosis and Metabolic Alterations in ALS: Potential Biomarkers and TherapeuticInsights. ACS Chemical Neuroscience, 16, 14, 2691–2706
7. Das, R., Kumar, A., Singh, V., Kayastha, A. M.*, & Singh, C.* (2025). Mechanistic behavior of fenugreek α-amylase on starch hydrolysis upon interaction with Hesperetin and Luteolinprobed by multispectroscopic and in silico approaches. Food Chemistry, 145141.

Department of Botany

Research Papers and Articles

1. Singh, A., Singh, S., Prasad, N., Singh, S., Mohanta, A., Kayastha, A. M., &Asthana, R. K.*(2025). An exploration of lipid remodeling by microalga Chlamydomonas reinhardtii in autotrophic and mixotrophic cultivation for bioenergy prospects. Biomass and Bioenergy, 200, 108015.
2. Pandey, M., Rai, A., Prasad, N., Mohanta, A., Asthana, R. K., & Ranganath, K. V. (2025). Hydrogenation of biomass-derived fatty acid esters and Dunaliella salina catalyzed by Pd on V2O5. Biomass Conversion and Biorefinery, 1-13.
3. Pandey, M., Kumar, N., Prasad, N., Asthana, R. K., & Ranganath, K. V. (2024). Surface-modified NiFe2O4 nanoparticles for the production of biodiesel from fatty acids and microalgae lipids Dunaliella salina. Applied Organometallic Chemistry, 38(3), e7370.
4. Singh, A., Singh, S., Singh, S., Prasad, N., &Asthana, R. K.* (2024). Harnessing bioenergy potential of Chlamydomonas reinhardtii: A comprehensive characterization and valorization of biomass towards energy conversion under circular bioeconomy. Renewable Energy, 122256.
5. Singh, S., Singh, A., Prasad, N., Singh, S., &Asthana, R. K.* (2024). Phytohormone augmented biomass and lipid production in Dunaliella salina under two-stage cultivation strategy: A comprehensive characterization of biomass and lipid using DLS, FTIR, CHNS and NMR for bioenergy prospects. Journal of Environmental Chemical Engineering, 114942.
6. Singh, S., Singh, A., Singh, S., Prasad, N., Singh, P., &Asthana, R. K.*(2024). IAA induced biomass and lipid overproduction in microalga via two-stage cultivation strategy: Characterization using FTIR/CHNS/TGA/DTG and 1H-NMR for bioenergy potential. Energy Conversion and Management, 311, 118546.
7. Mohanta, A., Prasad, N., Khadim, S. R., Singh, P., Singh, S., Singh, A., ... &Asthana, R. K.*(2024). Optimizing light regimes for neutral lipid accumulation in Dunaliella salina MCC 43: a study on physiological status and carbon allocation. World Journal of Microbiology and Biotechnology, 40(3), 82.

8. Sadhana Vishwakarma, Krishna G. Misra, Vikram Singh, Ravi S. Maurya, Sandhya Misra & Nandita Ghoshal. (2025). Tree-ring inferred natural hazards studies from western Himalaya, India: a review. Proceedings of the Indian National Science Academy https://doi.org/10.1007/s43538-025-00424-z ISSN 0370-0046 (Print)
9. Zaya F, Soni P, Kumari A, Kumar R, Gupta R, Singh N and Ghoshal N (2025). Importance of litter dynamics of economically important trees for sustainable land management in dry tropics. Journal of Plant Ecology, 41:e3. doi:10.1017/S0266467425000021, , https://www.cambridge.org/core/journals/journal-of-tropical-ecology, Cambridge University Press, ISSN: 0266-4674 (Print), 1469-7831 (Online)
10. Singh N, Soni P, Kumar R, Zaya F, Kumari A, Gupta R and Ghoshal Nandita (2025). Biochar application: A propitious approach to climate smart agriculture. Plant Archives, 25: 1479-1484. e-ISSN:2581-6063 (online), ISSN:0972-5210
11. Singh Priya, Biswas S, Ghoshal N, De N, Singh D. (2024). Impact of Thirty-Four Years of Fertilization and Manuring on Soil Nutrients Availability, Yield and Quality of Crops in Indo-Gangetic Plains. Journal of Soil Science and Plant Nutrition, 24: 6040-6052. ISSN: 0718-9508
12. Vishwakarma S, Misra KG, Ghoshal N. Maurya RS, Singh V, Misra S (2024). Effect of Himalayan cedar forest longevity on soil properties in the Kumaun Himalaya, Uttarakhand, India. Discover Soil, 1:1-15. https://doi.org/10.1007/s44378-024-00015-2, ISSN: 3005-1223
13. Priyanka Soni, Fahami Zaya, Rahul Kumar, Amrita Kumari, Riya Gupta, Nidhi Singh and Nandita Ghoshal (2024). Variation in soil quality in tropical dryland agroecosystem: Impact of different crop sequences. Land Degradation and Development, 35: 4213-4223ISSN:1085-3278, Online ISSN:1099-145X.
14. Gupta, N., Srivastava, A., & Mishra, A. K. (2025). Deciphering the impact of NOS-derived NO on nitrogen metabolism and carbon flux in the heterocytous cyanobacterium Aphanizomenon flos-aquae 2012/KM1/D3. Plant Physiology and Biochemistry, 109515. https://doi.org/10.1016/j.plaphy.2025.109515
15. Bhattacharjee, S., &Mishra, A. K. (2024). Unveiling the abiotic stress-induced cell death modalities in the heterocytous cyanobacterium Anabaena sp. PCC 7120. Environmental and Experimental Botany, 228(Part B), 106050.
16. Gupta, N., Srivastava, A., &Mishra, A. K. (2024). Nitric oxide synthases in cyanobacteria: Diversity, cellular implications and ecological pertinence. Journal of Plant Growth Regulation. https://doi.org/10.1007/s00344-024-11503-8
17. Singh, A., Bhattacharjee, S., Bhardwaj, A., Singh, S. S., &Mishra, A. K. (2024). Elucidating the structure of novel cyanobacterial siderophore produced by Anabaenaoryzae and its implication in removal of cadmium. Journal of Applied Phycology. https://doi.org/10.1007/s10811-024-03335-6
18. Jaiswal, T. P., Chakraborty, S., Tiwari, R. K., Priyanka, Mishra, A. K., & Singh, S. S. (2024). Diversity analysis of cyanobacteria from the Tatapani Hot Spring of Chhattisgarh and exploration of their industrially as well as environmentally valuable properties. AlgalResearch, 82(2), 103653. https://doi.org/10.1016/j.algal.2024.103653
19. Mishra, A., Chakraborty, S., Jaiswal, T. P., Bhattacharjee, S., Kesarwani, S., Mishra, A. K.,& Singh, S. S. (2024). Untangling the adaptive strategies of thermophilic bacterium Anoxybacillus rupiensis TPH1 under low temperature. Extremophiles, 28, 28-31. https://doi.org/10.1007/s00792-024-01391-4
20. Parmar, M., Jaiswal, T. P., Bhattacharjee, S., Singh, S. S., &Mishra, A. K. (2024). Westiellopsis tiwarii sp. nov., a new cyanobacterium from North-East soils. Microbiology, 93(4),399-409.
21. Kharwar, S., &Mishra, A. K. (2024). Decrypting the effect of sulfate stress on the cyanobacterium Anabaena sp. PCC 7120 using physiological, proteome and transcript analysis in conjunction with bioinformatics. Plant Stress, 100512. https://doi.org/10.1016/j.stress.2024.100512
22. Gupta, N., Bhattacharjee, S., &Mishra, A. K. (2024). NOS-derived NO mediated physiological and biochemical responses of heterocytous cyanobacterium Aphanizomenon flos-aquae 2012/KM1/D3 against H_2O_2-induced oxidative stress. Algal Research, 79, 103496. https://doi.org/10.1016/j.algal.2024.103496
23. Naaz, N., & Pandey, J. Spatial distribution of polycyclic aromatic hydrocarbons in water and sediment in the Ganga River: source diagnostics and health risk assessment on dietary exposure through a common carp fish Labeo rohita. Environmental Geochemistry and Health. 02 May 2024;https://doi.org/10.1007/s10653-024-01980-x , 46(6), 196. Electronic ISSN: 1573-2983; Print ISSN: 0269-4042
24. Prajapati, D. K., & Pandey, J. CO2 emission and microbial extracellular enzyme activities in sediment at land–water interface as influenced by metal pollution in the Ganga River. Chemistry and Ecology, 04 September 2024; https://doi.org/10.1080/02757540.2024.2396827 40(10), 1190–1211ISSN: 0275-7540; Print ISSN: 1029-0370
25. Pandey, S., Pandey, U., & Pandey, J HEAVY METAL POLLUTION PROMOTES COMPETITIVE SUCCESS OF INVASIVE SPECIES ELIMINATING SEEDBANKS OF SOFT CARBON RESOURCES IN THE GANGA RIVER CORRIDOR. Plant Archives (09725210), October 2024; 24(2), p2503-2506.e-ISSN:2581-6063 (online), ISSN:0972-5210https://doi.org/10.51470/PLANTARCHIVES.2024.v24.no.2.357
26. Naaz, N., & Pandey, J. Human-driven eutrophy compounded by climate warming triggers ecosystem feedbacks to underscore the critical tipping point in the Ganga River, India. Environmental Science and Pollution Research, 16 May 2025; Volume 32, pages 13965–13981 https://doi.org/10.1007/s11356-025-36499-w Electronic ISSN: 1614-7499
27. Prajapati P, Yadav M, Nishad JH, Gautam VS,Kharwar RN (2024). Salt tolerant fungal endophytes alleviate the growth and yield of saline-affected wheat genotype PBW-343. Microbiological Research. 278: 127514; https://doi.org/10.1016/j.micres.2023.127514 0944-5013
28. Gautam VS, Kumari P, Jaiswara PK, Kumar A, Kharwar RN (2024) Antioxidant and cytotoxic activity of Rutinisolated from Nigrosporasphaerica, anEuphorbia hirta based endophytic fungus. Process Biochemistry 142:184-193 https://doi.org/10.1016/j.procbio.2024.04.0191359-5113
29. Verma A, Kumar K, Talukdar U, Pal G, Kumar D, Shukla P, Patel S, Kumar A, Kharwar RN, Verma SK (2024). Assessment of bioactive potential and characterization of an anticancer compound from the endophytic fungi of Ocimum sanctum. Microbiology 93: 459-471. https://Doi.org/10.1134/S002626172360252X
30. Kharwar RN (2024). A research journey from epiphytic to endophytic fungi: Insights into Ecology, Diversity, and Biotechnological potential. Kavaka 60:1-18.
31. Singh S, Sharma S, Bharti R, Kharwar RN, Srivastava P (2025). Colletotrichumgloeosporioides (endophytic fungi) mediated biosynthesis of TiO2 nanoparticles for high-performance dye-sensitized solar cell. Next Nanotechnology, 7, 100122. https://doi.org/10.1016/j.nxnano.2024.100122
32. Sinha S, Navathe S, Anjali, ShubhamVishwakarma, Priyanka Prajapati, Ramesh Chand, RN Kharwar(2025). Whole genome sequencing and annotation of Pseudocercosporaabelmoschi, a causal agent of black leaf mould of okra. World J MicrobiolBiotechnol, 41:174. https://doi.org/10.1007/s11274-025-04398-4
33. Kharwar, R.N., Prajapati, P. & Sinha, S. Endophytic fungi mediated alleviation of salinity stress in crop plants: an insight and future prospect. Symbiosis (2025). https://doi.org/10.1007/s13199-025-01060-3
34. Nishad JH, Vishwakarma V, Singh A, Yadav M, Bharti R, Kharwar RN (2025). Metabolites profiling, bioactivity assessment and extracellular enzymes estimation of Pestalotiopsissp. I12, an endophytic fungus recovered from Saracaasoca(roxb.) Willd. leaves. Microbiology (Accepted)
35. Jaiswal, T. P., Chakraborty, S., Tiwari, R. K., Mishra, A. K., &Singh, S. S. (2024). Diversity analysis of cyanobacterial flora from the Tatapani Hot Spring of Chhattisgarh and exploration of their industrially as well as environmentally valuable properties. Algal Research, 82, 103653.
36. Singh, A., Bhattacharjee, S., Bhardwaj, A., Singh, S. S.,& Mishra, A. K. (2024). Elucidating the structure of novel cyanobacterial siderophore produced by Anabaena oryzae and its implication in removal of cadmium. Journal of Applied Phycology, 36(6), 3393-3408.
37. Parmar, M., Jaiswal, T. P., Bhattacharjee, S., Singh, S. S.,& Mishra, A. K. (2024). Westiellopsis tiwarii sp. nov., a new cyanobacterium from North-East India Soils. Microbiology, 93(4), 399-409.
38. Mishra, A., Chakraborty, S., Jaiswal, T. P., Bhattacharjee, S., Kesarwani, S., Mishra, A. K., &Singh, S. S. (2024). Untangling the adaptive strategies of thermophilic bacterium Anoxybacillus rupiensis TPH1 under low temperature. Extremophiles, 28(3), 31.
39. Anita and Satheshkumar PK (2024) Elevated proline and melatonin alter the methylation pattern in the promoter of their biosynthesis genes in rice. Environmental and Experimental Botany, 228. 106001. https://doi.org/10.1016/j.envexpbot.2024.106001
40. Kumari, P., Abhinand, C. S., Kumari, R., Upadhyay, A., & Satheeshkumar, P. K. (2024). Design, development and characterization of a chimeric protein with disulfide reductase and protease domain showing keratinase activity. International journal of biological macromolecules, 278 (4) 135025. https://doi.org/10.1016/j.ijbiomac.2024.135025
41. Kumar, V., Chellasamy, S.K., Srikakulam, N, Satheeshkumar, PK, Madanan M.G., Jebasingh T (2024) Identification of inhibitors for the collagenase of Leptospira interrogans through docking and molecular simulation. Proc. Indian Natl. Sci. Acad. 91 (1), 194-203. https://doi.org/10.1007/s43538-024-00330-w
42. Ibrahim, JM, Satheeshkumar, PK, Nair, AS, Oommen OV and Sudhakaran, PR (2024) Designing Lsa46 Based Multi-Epitope Peptide Vaccine Against Leptospirosis: Immunoinformatic Approach, Medinformatics. https://doi.org/10.47852/bonviewMEDIN42022655
43. Kumari P, Yadav S, Sarkar S and Satheeshkumar PK (2024) Cleavage of cell junction proteins as a host invasion strategy in leptospirosis. Applied microbiology and biotechnology, 108(1), 119.
44. Sharma M and Satheeshkumar PK (2024) Development of an in vitro plant regeneration protocol in the spotted duckweed, Landoltia punctata, Journal of Scientific Research, 67(3) 23-27. DOI: 10.37398/JSR.2023.670304
45. Verma S, Hariwal M, Kumar S (2024). Exploratory analysis of agro-morphological characteristics in Nigella sativa L. plant genotypes to determine mutagen colchicine ameliorative/non-ameliorative impacts. Scientific Reports 14: 24521. https://doi.org/10.1038/s41598-024-75755-w. (Q1)
46. Shah P, Patel P, Kumar S (2024). Linear discriminant function analysis of two mutant varieties of Plantago ovata Forssk. (Plantagenaceae) using chromosome length measurements. Journal of Cytology and Genetics, 25 (NS): 45-48.
47. Pandey P, Rai G, Garg A, Kumar D (2025) Comprehensive in-silico Characterization and Expression Pattern of Calmodulin Genes Under Various Abiotic and Biotic Stresses in Indian Mustard (Brassica juncea). Physiology and Molecular Biology of Plants 31, 247–262. https://doi.org/10.1007/s12298-025-01561-x (Impact factor- 3.4)
48. Duhan L, Kumar D, Pasrija R (2025) Enhancing Salicylic Acid Levels by its Exogenous Pretreatment to Mitigate Fusarium oxysporum-Induced Biotic Stress in Vigna mungo: Defense Pathways Insights. Plant Cell Reports44(1):2. doi: 10.1007/s00299-024-03394-6 (Impact factor- 5.3)
49. Narwal P, Negi NP, Kumar D (2024) Boosting banana resilience: Calcium supplementation enhances osmolyte and secondary metabolites production and strengthens the antioxidant machinery in drought and cold-exposed banana plants. Environmental and Experimental Botany 226: 105946 doi.org/10.1016/j.envexpbot.2024.105946 (Impact factor-4.5).
50. Narwal P, Singh RK, Pathak AK, Kumar D, Negi NP (2024) Genome-wide profiling of CBL interacting protein kinases (CIPKs) in banana unveils their role in abiotic stress signaling and stress tolerance enhancement. Plant Stress. 11:100417 (https://doi.org/10.1016/j.stress.2024.100417) (Impact factor-6.8)
51. Thakur M, Khushboo, Shah S, Kumari P, Yadav M, Vibhuti RK, Pramanik A, Yadav V, Raina M, Negi NP, Gautam V, Rustagi A, Verma SK, Kumar D (2024) Unlocking the Secrets of Rhizosphere Microbes: A New Dimension for Agriculture. Symbiosis 92:305-322, doi.org/10.1007/s13199-024-00980-w (Impact factor-2.1)
52. Duhan L, Manoharlal R, Kumar D, Kumari D, Saini M, Chhillar AK, Pasrija R (2024) Phytohormones mediated antifungal resistance against Fusarium oxysporum. Acta Physiologiae Plantarum 46:37 https://doi.org/10.1007/s11738-024-03659-3 (Impact factor-2.4)
53. Ganotra J, Supolia D, Sharma A, Raina M, Negi NP, Gautam V, Kumar D (2024) Pathways of Important Metabolites and Enzymes Involved. In M K Swamy & Mohd. S Akhtar (Eds.) Metabolites of Medicinal Plants: Insightful Approaches. Bentham Science Publishers, Singapore, pp-289-311
54. Pandey P, Rajput S, Kumar D (2024) Divulging the role of calcium-binding proteins as defense signaling molecule against biotic stress in plants. In: S.K Upadhyay (Ed.) Defense-Related Proteins in Plants. Academic press, USA, pp-469-482. ISBN: 978-0-443-13236-0
55. Pandey P, Kumar D (2024) Plant Responses to Hypoxia Stress: Signalling Cascades and Regulatory Mechanisms. In: Mishra AK (Eds) Stress Biology in Photosynthetic Organisms: Molecular Insights and Cellular Responses. Springer Nature, Switzerland, pp-27-40. ISBN 978-981-97-1883-2.

56. Prajapati C, Kumar D, Ambastha V, Singh SK (2024) Fungal Endophytes as Potential Anticancer Candidate over Synthetic Drugs: Latest Development and Future Prospects. In: Singh, B.P., Abdel-Azeem, A.M., Gautam, V., Singh, G., Singh, S.K. (eds) Endophytic Fungi. Fungal Biology. Springer, Cham. https://doi.org/10.1007/978-3-031-49112-2_2
57. Biswas, P., Kumar, A., Upreti, M., Kumar, G., Saikia, P. (2025). Kolkata's green oasis: a comprehensive analysis of urban green spaces for ecosystem sustainability. Environmental Science and Pollution Research, 32: 5040-5061. https://doi.org/10.1007/s11356-024-35756-8. Citation: 03
58. Patra, S., Saikia, P.* (2025). Invasive plant species and their impact on forest composition and regeneration in tropical deciduous forests of Palamau Tiger Reserve, Eastern India. New Forests, 56: 21. https://doi.org/10.1007/s11056-024-10085-3. IF: 1.7
59. Mo, L., Zohner, C., Crowther, T……. Saikia, P. et al. (2024). The global distribution and drivers of wood density and their impact on forest carbon stocks.Nature Ecology and Evolution, 8: 2195–2212. https://doi.org/10.1038/s41559-024-02564-9. IF: 14.5; Citation: 18
60. Kumar, G., Kumar, A., Saikia, P.*, Khan, M.L. (2024). Assessing population diversity and compositional structure in forests in Pachmarhi Biosphere Reserve, Central India. Ecological Frontiers, 44(6): 1291-1305. https://doi.org/10.1016/j.ecofro.2024.08.005
61. Santoro, M., Cartus, O., Quegan, S., Kay, H., Lucas, R.M., Araza, A., Herold, M., Labrière, N., Chave, J., Rosenqvist, Å., Tadono, T., Kobayashi, K., Kellndorfer, J., Avitabile, V., Brown, H., Carreiras, J., Campbell, M.J., Cavlovic, J., Bispo, P.d.C., Gilani, H., Khan, M.L., Kumar, A., Lewis, S.L., Liang, J., Mitchard, E.T.A., Pacheco Pascagaza, A.M., Phillips, O.L., Ryan, C.M., Saikia, P., Schepaschenko, D., Sukhdeo, H., Verbeeck, H., Vieilledent, G., Wijaya, A., Willcock, S., Seifert, F.M. (2024). Design and Performance of the Climate Change Initiative Biomass Global Retrieval Algorithm. Science of Remote Sensing, 10: 100169. https://doi.org/10.1016/j.srs.2024.100169. IF: 5.2; Citation: 11.
62. Shilky, Baishya, R., Saikia, P.* (2024). Identification of Urban Street Trees for Green Belt Development for Optimizing Pollution Mitigation in Delhi, India. Environmental Science and Pollution Research, 31: 54962–54978. https://doi.org/10.1007/s11356-024-34802-9. Citation: 01.
63. Kishore, B.S.P.C., Kumar, A.,Saikia, P.* (2024). Mapping Forest Phenological Shift in Nilgiri Biosphere Reserve, Western Ghats: Response to Climate Change. Remote Sensing Applications: Society and Environment, 36: 101325. https://doi.org/10.1016/j.rsase.2024.101325.IF: 4.5; Citation: 01.
64. Patra, S., Saikia, P.* (2024). Plant resources of Palamau Tiger Reserve, Eastern India and their utilitarian perspectives. Vegetos. https://doi.org/10.1007/s42535-024-00997-y. Citation: 01.
65. Verma, S.K., White, J.F. (2025) From 'nitrosome' to 'nitroplast': stages in the evolution of nitrogen-fixing organelles from free-living diazotrophs. Symbiosis, 95, 29–34 https://doi.org/10.1007/s13199-025-01033-6
66. Singh P., Anand V., Kaur J., Srivastava S., Verma S.K., Niranjan A., Srivastava P.K., Srivastava S. (2024) Mitigation of arsenic toxicity in wheat by the inoculation of methyltransferase containing Pseudomonas oleovorans NBRI-B4.10. International Biodeterioration & Biodegradation, 193,105851, https://doi.org/10.1016/j.ibiod.2024.105851
67. Pal, G., Saxena, S., Kumar, K., Verma, A., Kumar, D., Shukla, P., Pandey, A., White, J., Verma, S.K. (2024)Seed Endophytic Bacterium Lysinibacillus sp. (ZM1) From Maize (Zea mays L.) Shapes Its Root Architecture Through Modulation of Auxin Biosynthesis and Nitrogen Metabolism. Plant Physiology and Biochemistry-108731, https://doi.org/10.1016/j.plaphy.2024.108731
68. Thakur, M., Khushboo, Shah, S., Kumari, P., Kumar, M., Vibhuti, R., Pramanik, A., Yadav, V., Raina, M., Negi, N.P., Gautam, V., Rustagi , A., Verma, S.K., Kumar D. (2024) Unlocking the Secrets of Rhizosphere Microbes: A New Dimension for Agriculture. Symbiosis, https://doi.org/10.1007/s13199-024-00980-w
69. Verma A, Kumar K, Talukdar U, Pal G, Kumar D, Shukla P, Patel S, Kumar A, Kumar A, Kharwar R.N., Verma S. K. (2024) Assessment of bioactive potential and characterization of anticancer compound from endophytic fungi of Ocimum sanctum. Microbiology, 93, 459–471.
70. Singh, P. R., Singh, A. P., Gupta, A., Singh, S. P., & Sinha, R. P. (2025). Blue and red light significantly aid in the recovery of damaged cells of the cyanobacterium Synechocystis sp. PCC 6803 exposed to ultraviolet radiation. Photochemical & Photobiological Sciences, 1-16.
71. Pandey, P., Pandey, D., Gupta, A., Gupta, R., Tiwari, S., & Singh, S. P. (2025). Cyanobacterial green chemistry: a blue-green approach for a sustainable environment, energy, and chemical production. RSC Sustainability. **3**, 661-675
72. Mondal, S., Pandey, D., & Singh, S. P. (2024). Chromatic acclimation in cyanobacteria renders robust photosynthesis and fitness in dynamic light environment: Recent advances and future perspectives. Physiologia Plantarum, 176(5), e14536. IF: 5.4 Q1
73. Gupta, A., Pandey, P., Gupta, R., Tiwari, S., & Singh, S. P. (2023). Responding to light signals: a comprehensive update on photomorphogenesis in cyanobacteria. Physiology and Molecular Biology of Plants, 29(12), 1915-1930. IF: 3.9 Q1
74. Sharma, V. K., Prateeksha, P., Singh, S. P., Rao, C. V., & Singh, B. N. (2024). Nyctanthes arbor-tristis bioactive extract ameliorates LPS-induced inflammation through the inhibition of NF-κB signalling pathway. Journal of Ethnopharmacology, 320, 117382. IF: 5.4 Q1
75. KumarI, Kumar U, Singh PK, Yadav JS, Dwivedi A, Singh P, Tripathi A,Sharma RK (2024) Phytochemical composition, antioxidant and antibacterial properties of methanol stem and leaf extract of Croton bonplandianusBaill. Vegetos DOI: 10.1007/s42535-024-01060-6.
76. Singh PK, Kumar U, KumarI, Dwivedi A, Singh P, Mishra S, Seth CS,Sharma RK (2024) Critical review on toxic contaminants in surface water ecosystem: Sources, monitoring, and its impact on human health. Environmental Science and Pollution Research, 31; 56428 – 56462
77. DwivediA, Singh AN, Kumar A, Nath G, Sharma RK (2024) Cadmium content, metabolite profile, biological properties of Eclipta alba (L.) Hasskplant exposed to elevated cadmium in soil. Environmental and Experimental Botany *225,105865*Impact factor: 5.70, Q1
78. Kumar U, Singh PK, Kumar I, SharmaRK (2024) Nickel accumulation, growth performance and yield attributes of Oryza sativa L. cv. HUR 105 crop exposed to the Ni polluted soil.Plant Archives 24 (2), 41-46
79. Kumar U, Kumar I, Singh PK, Yadav JS, Dwivedi A, Singh P, Mishra S, SharmaRK (2024) Total phenolic content and antioxidant activities in methanol extracts of medicinal herbs from Indo-Gangetic plains of India. Applied Biology and Biotechnology 12 (2), 1-11
80. Singh PK, Kumar I, Kumar U, Sharma RK (2024) Soil-mustard revitalization via rice husk ash, a promising soil amendment material for sustainable management of heavy metal contamination in tropical ecosystem, Journal of Environmental Management 355: 120538 Impact Factor: 8.70, Q1
81. Mariyam S, Upadhyay SK, Chakraborty KK, Verma KK, Duha JS, Muneer S, Meena M, Sharma RK, Ghodake G, Seth CS (2024). Comprehensive journey from past to present to future about seed priming with hydrogen peroxide and hydrogen sulfide in relation to drought, temperature, UV and ozone stresses- A review, Plant and Soilshttps://doi.org/10.1007/s11104-024-06499-9Impact Factor: 4.900; Q1
82. Mariyam S, Upadhyay SK, Chakraborty KK, Verma KK, Duha JS, Muneer S, Meena M, Sharma RK, Ghodake G, Seth CS (2024). Nanotechnology, a frontier in agricultural science, a novel approach in abiotic stress management and convergence with new age medicine - A Review Science of the Total Environment 912, 169097 Impact Factor: 9.800 Q1
83. Singh PK, Yadav JS, Kumar I, Kumar U, Singh P, Dwivedi A, SharmaRK (2024) Screening of mustard cultivars for phytoremediation of heavy metals contamination in wastewater irrigated soils. Environmental Monitoring and Assessment 196: 321 Impact Factor: 3.00; Q1
84. Mahto S, Kumar I, Sharma RK (2024). Cadmium accumulation, growth performance and antioxidant properties of bacterial consortium inoculated Mentha arvensis L. grown on polluted oil. National Academy of Science Letters https://doi.org/10.1007/s40009-023-01375-zImpact Factor: 1.100 Q3Sahoo, A, Dwivedi A, Madheshiya P, Kumar U, Sharma RK, Tiwari S (2024). Insights into the management of food waste in developing countries: with special reference to India. Environmental Science and Pollution Research 31: 1887- 1913 Impact Factor: 5.80 Q1
85. Bandana Devi, Nidhi Yadav, Menka Tiwari,Shweta Gupta, BhumikaChhodvadiyaand Prashant Singh (2025).Harnessing Drought-Induced Immune Priming for Intergenerational Resistance to Spot Blotch in Wheat. Physiological and Molecular Plant Pathology, 136, 102558, https://doi.org/10.1016/j.pmpp.2024.102558
86. Menka Tiwari and Prashant Singh (2024). Bolstering Wheat's Immunity: BABA-Mediated Defense Priming Against Bipolaris sorokiniana Amid Competition. Physiological and Molecular Plant Pathology, 133, 102372, https://doi.org/10.1016/j.pmpp.2024.102372.
87. Nidhi Yadav, Sunayana Bora, Bandana Devi, ChandanUpadhaayand Prashant Singh (2024). Nanoparticle-mediated defense priming: A review of strategies for enhancing plant resilience against biotic and abiotic stresses. Plant Physiology and Biochemistry,https://doi.org/10.1016/j.plaphy.2024.108796.
88. Devi B, Yadav N and Singh P (2024) PGPR-Mediated Defense Priming: A Sustainable Paradigm for Combating Biotic and Abiotic Stresses in Agriculture. Journal of Microbiology and Biotechnology. https://medwinpublishers.com/article-description.php?artId=12782
89. Menka Tiwari and Prashant Singh (2024). Guardians of Wheat: Unleashing Transgenerational Immune Priming with Trichodermaagainst Spot Blotch. South African Journal of Botany, 169
90. Menka Tiwari, Bandana Devi, Shivangi Sinha, Nidhi Yadavand Prashant Singh (2024). Intergenerational Priming by Trichoderma Alleviates Drought Stress in Barley. Experimental and Environmental Botany,https://doi.org/10.1016/j.envexpbot.2024.105772
91. Gautam, K., Singh, R.P., Singh, A. (2025). Physicochemical and functional characterization of wastewater-irrigated soil and beetroot plants in response to modified rice husk biochar amendment. Environmental Sustainability DOI: 10.1007/s42398-025-00360-0. I.F. 2.8
92. Yadav., P.K., Kumar A., Singh., A. (2025). Hydrogen Sulphide as Protagonist to regulate metal stress in plants: An Overview of Physiological step. J of Plant Biochemistry and Biotechnology. DOI: 10.1007/s13562-025-00966-9; I.F 1.6
93. Kumar, A., Yadav, P. K., and Singh, A. (2025). Physiological and Metabolome characterization of Amaranthus hybridus L. grown under cypermethrin stress an insight of jasmonic acid treatment. BMC Plant Biology Volume 25, article number 137, IF: 3.5
94. Kumar, A., Yadav, P. K., and Singh, A. (2024). Mitigating cypermethrin stress in Amaranthus hybridus L.: Efficacy of foliar-applied salicylic acid on growth, enzyme activity, and metabolite profiles. Plant stress. 14, 100673 I.F. 6.8
95. Kumar, A., Yadav, P. K., & Singh, A. (2024). A Mechanistic Action of Salicylic acid on Metabolic Profiling, Antioxidative Potential, and Growth Pattern of Amaranthus hybridus. International Journal of Plant and Soil Science. 36(5), 947-963
96. Gautam, K., P. Singh. R.P. Singh., A. Singh. (2024). Impact of rice-husk biochar on soil attributes, microbiome interaction and functional traits of Radish Plants: A smart candidate for soil engineering Plant Stress, 14; 100564. IF 6.8
97. Mahajan, M., Singh A., Singh, R.P., Gupta, P.K., Kothari, R., Srivastava V., Understanding the benefits and implications of irrigation water and fertilizer use on plant health (2024). Environment Development and Sustainability, 26: 20561–20582 IF: 4.9
98. SarkarMM, SahaP, KarmakarB, ToppoP, ParamitaP, DuaTK, MathurP, RoyS (2025). Sugar-coating on the surface of silica nanoparticles attenuates the dose-and size-dependent toxicity of the nanoparticles for plant-based applications. Plant Physiology and Biochemistry223, 109778, https://doi.org/10.1016/j.plaphy.2025.109778
99. Chouhan, D., Mandal P, Choudhuri C, Mathur P (2024). Impact of silver nanochitosan in protecting wheat seeds from fungal infection and increasing growth parameters. Plant Nanobiology 10, 100116. 1-14.https://doi.org/10.1016/j.plana.2024.100116
100. Chouhan, D., Dutta, P., Dutta, D. Ankita D, Kumar A, Mandal P, Choudhuri C, Mathur P (2024). Effect of silver nanochitosan on control of seed-borne pathogens and maintaining seed quality of wheat. Phytopathology Research 6, 41.1-17 https://doi.org/10.1186/s42483-024-00260-x

Books and Book Chapters

1. Singh, A., Singh, S., &Asthana, R. K. *(2025). Opportunities and challenges in the transition of microalgae biomass to biofuels. Microalgal Biofuels, 139-162.
2. Singh, S., Singh, A., &Asthana, R. K. *(2025). Strategies for bioenergy and biofuels from algae biomass. In Microalgal Biofuels (pp. 21-43). Woodhead Publishing
3. Priyanka Soni, Amrita Kumari, Fahami Zaya, Rahul Kumar, Nidhi Singh, Riya Gupta and Nandita Ghoshal.(2025). Navigating the nexus between land use change and sustainable agriculture: A way to feeding in the future. In:

Interdisciplinarity On Food Security, Climate Change And Environment. Rawat Publication, New Delhi. Dr. SB Singh (ed.) ISBN : 978-81-973431-8-6

4. Bhattacharjee, S., Singh, P., Bhardwaj, A., &Mishra, A. K. (2024). Cell death in photoautotrophs. In: A. K. Mishra (Ed.), Stress biology in photosynthetic organisms: Molecular insights and cellular responses (pp. 385–410). Springer Nature.
5. Gupta, N., Srivastava, A., Parida, A., &Mishra, A. K. (2024). Nitric oxide: A double-edged sword in photosynthetic stress responses. In: A. K. Mishra (Ed.), Stress biology in photosynthetic organisms: Molecular insights and cellular responses (pp. 347–374). Springer Nature
6. Srivastava, A., Gupta, N., &Mishra, A. K. (2024). Cyanophage: Interacting mechanism and evolutionary significance. In A. K. Mishra & S. S. Singh (Eds.), *Cyanobacteria: Metabolisms to molecules* (pp. 255–274). Elsevier.
7. Gupta, N., Bhattacharjee, S., & Mishra, A. K. (2024). Stress biology and signal perception in cyanobacteria. In A. K. Mishra& S. S. Singh (Eds.), *Cyanobacteria: Metabolisms to molecules* (pp. 383–411). Elsevier.
8. Bhardwaj, A., Singh, P., Gupta, N., Bhattacharjee, S., Srivastava, A., Parida, A., &Mishra, A. K. (2024). Cyanobacteria: A key player in nutrient cycling. In A. K. Mishra & S. S. Singh (Eds.), *Cyanobacteria: Metabolisms to molecules* (pp. 579–597). Elsevier.
9. Chakraborty, S., Tiwari, R. K., Jaiswal, T. P., Kesarwani, S., &Singh, S. S. (2024). Cyanobacterial lectins: potential emerging therapeutics. In Cyanobacteria: Metabolisms to Molecules(Ed. Arun Kumar Mishra) (pp. 531-577). Academic Press.
10. Sharma, S., Mishra, A., &Singh, S. S. (2024). Redox cycle: signaling and metabolic cross-talks in cyanobacteria. In Cyanobacteria: Metabolisms to Molecules(Ed. Arun Kumar Mishra)(pp. 177-214). Academic Press.
11. Sindhu, V., &Singh, S. S. (2024). Photosynthetic Resilience Under Stress: Unraveling the Role of Phytohormones and Phytometabolites. In Stress Biology in Photosynthetic Organisms: Molecular Insights and Cellular Responses(Ed. Arun Kumar Mishra) (pp. 147-184). Singapore: Springer Nature Singapore.
12. Sharma, S., Jaiswal, T., &Singh, S. S. (2024). Photosynthetic Organisms in Extreme Environments. In Stress Biology in Photosynthetic Organisms: Molecular Insights and Cellular Responses(Ed. Arun Kumar Mishra) (pp. 213-248). Singapore: Springer Nature Singapore.
13. Patel, P., Prasad, A., &Singh, S. S. (2024). Abiotic Stress-Induced Epigenetic Modifications in Plants. In Stress Biology in Photosynthetic Organisms: Molecular Insights and Cellular Responses(Ed. Arun Kumar Mishra) (pp. 65-85). Singapore: Springer Nature Singapore.
14. Shweta Verma, Manisha Hariwal, Sanjay Kumar (2024). Plants retaliating defense strategies against herbivores, Pages149-170. In: Plant Elicitor Peptides (Eds Singh S, Mehrotra R). Springer Verlag, Singapore. p-ISBN 978-981-97-6373-3; e-ISBN: 978-981-97-6374-0. https://doi.org/10.1007/978-981-97-6374-0
15. Patel P, Kumar S (2024). Traditional ethnomedicinal plants: Unravelling rich reservoirs of bioactive molecules for drug discovery and development, page 55-95. In: Ethnomedicinal plants for drug discovery- current developments (Eds. Srivastava A K, Ahirwar R K, Yadav D, Kumar D G) Springer Verlag, Singapore. ISBN: 978-981-97-3404- 7(hard cover) ; 978-981-97-3407-8)softcover(; 978-981-97-3405- 4(ebook) https://doi.org/10.1007/978-981-97-3405-4
16. Hariwal M, Kumar S (2024). Some potential traditional ethnomedicinal plants among the tribals of India. In: Ethnomedicinal Plats for drug discovery, Page 27-53.In: Ethnomedicinal plants for drug discovery- current developments (Eds. Srivastava A K, Ahirwar R K, Yadav D, Kumar D G) Springer Verlag, Singapore. ISBN : 978-981-97-3404- 7(hard cover) ;978-981-97-3407-8)softcover (; 978-981-97-3405- 4(ebook) https://doi.org/10.1007/978-981-97-3405-4
17. Sah P, Kumar S (2024). Traditional Phytotherapy among the various tribal peoples of India. In: Ethnomedicinal Plats for drug discovery, page 185-204.In: Ethnomedicinal plants for drug discovery- current developments (Eds. Srivastava A K, Ahirwar R K, Yadav D, Kumar D G) Springer Verlag, Singapore. ISBN : 978-981-97-3404-7 (hard cover); 978-981-97-3407-8 (softcover) ; 978-981-97-3405-4 (ebook) https://doi.org/10.1007/978-981-97-3405-4
18. Patra S., Kumar, A., Saikia, P.* (2024). Modeling Approaches for the Assessment and Mitigation of Agricultural Greenhouse Gas Emissions. In: Agricultural Greenhouse Gas Emissions: Problems and Solutions, Bordoloi, N., Bauddh, K., Boruah, K.K. (eds.), Chapter 5, Springer Nature Singapore Pte Ltd., pp. 103-114. https://doi.org/10.1007/978-981-97-7554-5_5. ISBN: 9789819775538.
19. Dutta, T., Shilky, Dwivedi, N., Biswas, J.K., Saikia, P.,Bordoloi, N., Sengupta, S., Mondal, B., Kumar, M. (2024). Agricultural Non-CO2 Greenhouse Gases: Sources and Consequences. In: Agricultural Greenhouse Gas Emissions: Problems and Solutions, Bordoloi, N., Bauddh, K., Boruah, K.K. (eds.), Chapter 6, Springer Nature Singapore Pte Ltd., pp. 115-140. https://doi.org/10.1007/978-981-97-7554-5_6. ISBN: 9789819775538.
20. Patra, S., Anurag, S., Saikia, P.*, Kumar, A., Khan, M.L. (2024). Traditional Ecological Knowledge for the Management of Medicinal Plants with particular emphasis on Northeast India. In: Sustainable Forest Resources Management: Issues and Implications, Bhat, J.A., Shukla, G., Dobriyal, M.J., Chakravarty, S., Arunachalam, A., Bussmann, R.W. (eds.), Chapter 10, Apple Academic Press (AAP), CRC Press, Taylor & Francis Group, Boca Raton, USA, pp. 217-242. http://dx.doi.org/10.1201/9781003539070-10. ISBN: 9781774917060.
21. Shilky, Patra, S., Kumar, A., Saikia, P.* (2024).Management of Aquatic Ecosystems and Aquatic Vegetation for Environmental Sustainability. In: Aquatic Ecosystem Monitoring: Traditional to Advanced Remote Sensing Technology, Pandey, P.C., Srivastava, P., Roy, S., Srivastava, S.K. (eds.), Chapter 13, CRC Press, Taylor & Francis Group, pp. 205-217. https://doi.org/10.1201/9781003354000-18. Citation: 01.
22. Kumar, A., Kumari,R., Lal,P., Prasad,A., Saikia,P.* (2024). Vegetation dynamics and climate change: A study of the Indian Himalayan region. In: Sustainable and Conservation Management of Environmental Resources in India, Chakravarty, S., Vineeta, Bhat, J.A., Kumar M., Shukla, G. (eds.), Chapter 2, Apple Academic Press (AAP), CRC Press, Taylor & Francis Group, Boca Raton, USA, pp. 31-46. http://dx.doi.org/10.1201/9781003469278-2. ISBN: 9781774915929.
23. Patra, S., Shilky, Kumar, A., Saikia, P.*, Khan, M.L. (2024). Traditional Agroecosystems of Northeast India and Their Role in Climate Change Mitigation. In: Agroforestry, Raj, A., Jhariya, M.K., Banerjee, A., Jha, R.K., Singh, K.P. (eds.), Chapter 13, Scrivener Publishing LLC, pp. 375-399. https://doi.org/10.1002/9781394231164.ch13. ISBN: 9781394231133.
24. Ekka, P., Kumar, G., Kumar, A., Saikia,P.* (2024). Plant Diversity Status of Himalayan Biodiversity Hotspots in Changing Climatic Conditions with special reference to the Indian Himalayan region. In: Biodiversity of Himalayan Biodiversity Hotspot, Pullaiah, T. (ed.), Chapter 16, Apple Academic Press (AAP), CRC Press, Taylor & Francis Group, Boca Raton, USA, pp. 421-437. http://dx.doi.org/10.1201/9781003455202-16. ISBN: 9781774913543.
25. Saikia, P.*,Podh, S., Patel, M., Kumar, A. (2024).Bamboo: A Potential Candidate for Phytoremediation of Chemical Pollutants and Heavy Metals. In: Phytoremediation: A biological approach for environmental remediation, Madhav, S., Gupta, G.P., Yadav, R.K., Mishra, R., van Hullebusch, E. (eds.), Chapter 8, Springer Nature Switzerland AG, pp. 101-122. https://doi.org/10.1007/978-3-031-60761-5_5. ISBN: 9783031607608.
26. Mondal S, Kumar S, Sarma P, Medhi B, Gupta A, Tiwari S, Maurya PK and Singh SP (2024). LC-MS/MS–Based Proteomics Study of Cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 102–109. ISBN: 9781003398387.
27. Kumar V, Gupta A, Mondal S, Tiwari S and Singh SP (2024). Methods for estimation of oxidative stress indices in cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 45–62. ISBN: 9781003398387.
28. Mondal S, Sharma B, Majumdar A, Tiwari S, Maurya PK, Gupta A, Singh SP and Singh P (2024). Sample preparation and visualization protocol for electron microscopy–based analysis of cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 170–181. ISBN: 9781003398387.
29. Maurya PK, Tiwari S, Mondal S, Gupta A, Kumar V and Singh SP (2024). Quantitative estimation of total carbohydrate, protein and lipid content in cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 29–38. ISBN: 9781003398387.
30. Maurya PK, Tiwari S, Mondal S, Gupta A and Singh SP (2024). Estimation of growth and photosynthetic pigments in cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 19–28. ISBN: 9781003398387.
31. Gupta A, Mondal S, Tiwari S, Häder D, Sinha RP and Singh SP (2024). Genomic DNA and RNA extraction from cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 138–153. ISBN: 9781003398387.
32. Mondal, S, Gupta, A, Tiwari, S, Gupta, R., & Singh, SP (2024). Flow cytometry-based methods for estimating DNA content and live-dead cells in cyanobacteria. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P. Sinha and D.-P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 130–137. ISBN: 9781003398387.
33. Tiwari S, Maurya PK, Mondal S, Gupta A, Häder D-P and Singh SP (2024). Monitoring photosynthetic performance in cyanobacteria by a modulated fluorometer. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 110–121. ISBN: 9781003398387
34. Mondal, S, Gupta, A, Tiwari, S, Maurya, PK, Pandey, P, & Singh, SP (2024). Reactive oxygen species measurement in cyanobacteria using 2′, 7′-Dichlorodihydrofluorescein Diacetate (DCFH-DA) dye and fluorescence microscope or flow cytometer. In. Methods in Cyanobacterial Research (Eds S.P Singh, Rajeshwar P.Sinha and D.P Häder) Taylor and Francis Group Publisher CRC Press, Inc., Milton Park, in Oxfordshire pp. 122–129. ISBN: 9781003398387.
35. P. Pandey, R. Gupta, S. Tiwari, A. Gupta, S. Mondal, R. P. Sinha and S. P. Singh (2024) Carbon concentrating mechanism in cyanobacteria: necessity and evolution. In: Cyanobacteria: Metabolisms to Molecules (Eds. A. K. Mishra and S.S. Singh). Elsevier. pp. 57-67. ISBN: 978-0-443-13231-5
36. Dwivedi A,Kumar U, Singh PK, Kumar I, Singh S, Mishra S, Prajapati A, Sharma RK (2025). Treatment methods for food wastes. In: Resource Recycling and Management of Food waste (Eds: Singh P, Singh RP), Springer Nature Publications (in press),Chapter 4, ISBN: 978-3-031-86687-6, 606413_1. DOI: 10.1007/978-3-031-86688-3
37. Singh S, Kumar U, Dwivedi A, Singh PK, Kumar I, Mishra S, Prajapati A, TiwariS, Sharma RK (2024). Green Solutions for Heavy Metal Remediation: Unveiling the Potential of Agricultural Waste through Techno-Economic Analysis and Life Cycle Assessment. In: Heavy metals contamination in the Environment: Health impacts and potential remediation approaches (Eds: Singh V, Kumar A, Mishra V, Rai SN), CRC Press (Boca Raton), Chapter 15; 25 pages, ISBN 9781032685793; DOI: https://doi.org/10.1201/9781032685793
38. DebamallaP, ToppoP, Mathur. P, (2025)Strategies of Rhizospheric Microbes in Heavy Metal Management and Remediation In: Rhizosphere Engineering and Stress Resilience in Plants Eds. Mathur, P., Mukherjee, S., CRC Press, Taylor and Francis9781003354109.
39. Mishra, A. K., (Eds.). (2024). Stress biology in photosynthetic organisms. Academic Press (Springer Nature)
40. Mishra, A. K., & Singh, S. S. (Eds.). (2024). *Cyanobacteria: Metabolisms to molecules*. Academic Press (Elsevier).
41. Microbial Inoculants: Soil Dynamics and Nutrient Bioavailability (2024).Eds-A Kumar, J Singh, AM QueijeiroLópez, RN Kharwar. Academic Press Inc., pages 425. ISBN-978-0443235603
42. Prasad R, Kumar G, Kumar D (2024) Agricultural waste: Uses, recycling and Management. Nova Science Publishers, New York, USA (ISBN: 979-8-89113-914-5)
43. Methods in Cyanobacterial Research 2024 (Eds. S. P. Singh, R. P. Sinha and D. -P. Häder), Academic Press, Taylor and Francis (CRC Press LLC). ISBN: 978-1-032-49834-8
44. Mukherjee S, Mathur P (2025). Rhizosphere Engineering and Stress Resilience in Plants Concepts and ApplicationsCRC Press, Boca Raton. ISSN: 9781003354109
45. Roy S, Mathur P (2025). Plant Microbiome and Biological Control: Emerging trends and applicationsSpringer Nature Switzerland AG. ISSN:9783031758454
46. Gupta A, Mathur P (2025). Recent Trends and Applications of Leguminous Microgreens as Functional FoodsSpringer Nature Switzerland AG. ISSN:9783031756788

Centre for Genetic Disorder

Research Papers and Articles

1. Devi, C., Ranjan, P., & Das, P. (2024). An integrative analysis of functional consequences of PKD2 missense variants on RNA and protein structures: a computational approach. Egyptian Journal of Medical Human Genetics, 25(1), 131.
2. Pathak AK, Kural S, Singh S, Kumar L, Yadav M, Gupta M, Das P, Jain G. Development of a robust and generalizable algorithm "gQuant" for accurate normalizer gene selection in qRT-PCR analysis. Sci Rep. 2024 Aug 13;14(1):18774. doi: 10.1038/s41598-024-66770-y. PMID: 39138232; PMCID: PMC11322313. (Q1)
3. Neha, N., & Das, P. (2024). Exploring G-quadruplex structure in PRCC-TFE3 fusion oncogene: Plausible use as anticancer therapy for translocation Renal cell carcinoma (tRCC). Journal of biotechnology, 390, 39–49. Advance online publication. https://doi.org/10.1016/j.jbiotec.2024.05.004 (Q2)
4. Neha, N., Ranjan, P., Kumar, S., Singh, R. S., Pandey, D. S., & Das, P. (2024). Functional evaluation of novel chromon derivative compounds for recognition of G-quadruplex structure. Journal of Molecular Structure, 137890. Volume 1306.
5. Neha, Ranjan, P., & Das, P. (2024). Calcimycin mediates apoptosis in breast and cervical cancer cell lines by inducing intracellular calcium levels in a P2RX4-dependent manner. Biochimica et Biophysica Acta (BBA)-General Subjects, 1868(2), 130535. Volume 1868, IF-3.77 (Q1)
6. Kural, S., Jain, G., Agarwal, S., Das, P. and Kumar, L. Urinary extracellular vesicles-encapsulated miRNA signatures: A new paradigm for urinary bladder cancer diagnosis and classification. In Urologic Oncology: Seminars and Original Investigations. 2024 Apr 8. Elsevier. [IF =2.7] (Q2)
7. Santasree Banerjee, Qiang Zhao, Bo Wang, Jiale Qin, Xin Yuan, Ziwei Lou, Weizeng Zheng, Huanguo Li, Xiaojun Wang, Xiawei Cheng, Yu Zhu, Fan Lin, Fan Yang, Junyu Xu, Anjana Munshi, Parimal Das, Yuanfeng Zhou, Kausik Mandal, Yi Wang, Muhammad Ayub, Nobutaka Hirokawa, Yongmei Xi, Guangfu Chen, Chen Li, 2024. A novel in-frame deletion in KIF5C gene causes infantile onset epilepsy and psychomotor retardation. MedComm, 5(4), p.e469. [IF = 2.2] (Q1)
8. Devi, C., Ranjan, P., Raj, S. and Das, P., Computational exploration of protein structure dynamics and RNA structural consequences of PKD1 missense variants: implications in ADPKD pathogenesis. 3 Biotech, 14, 211. 2024 Aug 24. https://doi.org/10.1007/s13205-024-04057-9. [IF = 2.6] (Q2).
9. MALAKAR, S., DAS, T., YADAV, V., SAHU, A. and DAS, P., 2024. Alexander Disease: Screening and in silico functional characterization of variants on candidate gene. medRxiv, pp.2024-02.
10. Roychowdhury S, Joshi D, Singh VK, Faruq M, Das P. Genetic and in silico analysis of Indian sporadic young onset patient with amyotrophic lateral sclerosis. Amyotroph Lateral Scler Frontotemporal Degener. Published online March 7, 2024. doi:10.1080/21678421.2024.2324896 [IF =2.8] (Q2).
11. Swetketu Singh; Ankur Singh; Vinod Kumar; Akhtar Ali; Amrita Ghosh Kar; Abhishek Abhinay; Rajniti Prasad (2025). Association of HLA Genotype in Children with Celiac Disease and Severe Acute Malnutrition: A Case-Control Study from North India"Indian Pediatrics.
12. Hemaliya, C., Meena, L. P., Singh, A. K., Kumar, A., Ali, A., Kumar, S., Kumar, I. Clinical, Demographic, And Haematological Profile of Haemophilia Patients at Sir Sunder Lal Hospital, Varanasi WithCoE Haemoglobinopathies and Day Care Centre.IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861.Volume 23, Issue 9 Ser. 4 (September. 2024), PP 44-51www.iosrjournals.org.
13. Hemaliya, C.,Meena, L. P., Kumar, A., Ali, A., & Singh, A. K. (2025). Analysis of Genotypes and Haplotypes of Factor VIII Gene Variants in Children with Hemophilia A from Northeast India.Journal of Nanotheranostics[in press]
14. Swati Kabir; Alaka Das; Ankur Singh; Kumari Divya Singh; Akhtar Ali; Abhishek Abhinay; Rajniti Prasad. "A Clinical profile and systemic dysfunction in children with Down Syndrome: A single center study". (in press).
15. Hemaliya, C.,Meena, L. P., Singh, A. K., Ali, A., Howlader, A., Kumar, S., Gupta, V., & Kumar, I. (2024). Etiology, Clinical Profile, and Demographics of Hemophilia B in Eastern India.IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 20, Issue 1 Ser. 1 (Jan. – Feb. 2024), PP 23-30 www.Iosrjournals.Org
16. Bioevaluation of arylvinylpyrimidine as anti-cancerous, anti-bacterial, and immunity enhancer in freshwater catfish Heteropneustesfossilis", Applied Biochemistry and Biotechnology. (in press).
17. Hemaliya, C., Meena, L. P., Singh, A. K., Kumar, A., Ali, A., Kumar, S., & Kumarl. Advancements and Challenges in Hemophilia B: Understanding Genetic, Clinical, and Therapeutic DimensionsFebruary 2025, International Journal of Pharmaceutical Sciences Review and Research 85(2):194-199DOI: 10.47583/ijpsrr.2025.v85i02.031.
18. Maurya RP, Maurya AK, Ali A, Singh CB, Gupta S, Prajapat MK, Roy M, Yadav A, Ranjan S, Manav, Singh VP, Al-Mujaini AS. Suspected Molecular Links in Sebaceous Gland Carcinoma of the Eyelid" Journal of Oncology Research and Therapy (IF 4.327)
19. Aggarwal P, Ali A, Gupta V. Genetic Profile of Beta-Thalassemia and Sickle Cell Disease in Eastern Uttar Pradesh. Indian Pediatr. 2024 Dec 15;61(12):1131-1133. Epub 2024 Sep 10. PMID: 39267277.
20. Singh A, Sidar M, Ali A, Abhinay A, Prasad R, Mishra OP. Clinical and Molecular Profile of Duchenne Muscular Dystrophy (DMD): Case-Record Analysis From Uttar Pradesh, India. Indian Pediatr. 2024 Dec 15;61(12):1119-1122. Epub 2024 Sep 24. PMID: 39351835.
21. Hemaliya C, Meena LP, Sing AK, Kumar A, Ali A, Howlader A, Aich A, Kumar S, Gupta V, Kumar I. Etiology, clinical profile, and demographics of hemophilia B in eastern India. IOSR Journal Of Pharmacy AndBiological Sciences (IOSR-JPBS) e-ISSN:2278-3008, p-ISSN:2319-7676. Volume 20, Issue 1 Ser. 1 (Jan. – Feb. 2024), PP 23-30 www.Iosrjournals.Org.
22. Chanda Hemaliya, Lalit Prashant Meena, Arun Kumar Singh, Ajeet Kumar, Akhtar Ali, Sandip Kumar, Avijit Howlader, Sovan Kumar Senapati, Anupam Aich, Vineeta Gupta, Ishan Kumar. Clinical, Demographic, And Haematological Profile of Haemophilia Patients at Sir Sunder Lal Hospital Varanasi WithCoE Haemoglobinopathies And Day Care Centre. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) e-ISSN: 2279-0853, p-ISSN: 2279-0861.Volume 23, Issue 9 Ser. 4 (September. 2024), PP 44-51 www.iosrjournals.org.
23. Hemaliya, C., Meena, L. P., Kumar, A., Ali, A., & Singh, A. K. (2025)Genetic Analysis of Factor VIII Gene Polymorphisms in Indian Populations for Hemophilia A Carrier Screening.Journal of Family and Community Medicine.
24. S Tiwari, RK Gupta, S Agarwal, A Diwakar, AK Bind, Pawan K Dubey. Association of intronic variants (Apal and Bsml) of vitamin D receptor gene with uterine leiomyoma among North Indian women. Gene, 149519, 2025.
25. Rakesh Kumar Gupta, Ambarish Priyadarshan, Sonal Tiwari, Yashvant Patel, Arun Kumar Bind, Garima Tripathi, Anima Tripathi, Abhijeet Kumar, Pawan K Dubey. THPM (1, 2, 3, 4-Tetrahydro pyrimidine) and Berberine Exhibit Synergistic Impact on Inhibition of Cell Migration and Colonization Through ROS-Mediated Apoptotic Pathways in the Breast Cancer Cells. ChemistrySelect 10 (16), e202404148. 2025.
26. Ravi Bhushan, Rimjhim Trivedi, Ritu Raj, Anjali Rani, Sangeeta Rai, Anima Tripathi, Shiv Govind Rawat, Ajay Kumar, Dinesh Kumar, Pawan K Dubey. Integration of transcriptomics and metabolomics data revealed role of insulin resistant SNW1 gene in the pathophysiology of gestational diabetes. Scientific Reports 15 (1), 4159, 2025.
27. JK Chauhan, P Kumar, PK Dubey, A Tripathi. Phyto-Fingerprinting of Putranjivaroxburghii Wall. Leaf Extract and its In Vitro Anti-Inflammatory Activity. Cell Biochemistry and Biophysics, 1-9, 2025.
28. Sonal Tiwari, Vivek Pandey, Yashwant Patel, Rakesh Gupta, Punam Rai, Anjali Rani, Sakshi Agarwal, Pawan K Dubey. Development of amplification refractory mutation system polymerase chain reaction-based assay for genotyping the single nucleotide polymorphisms of MED12 gene: An economical approach for case–control investigations of uterine leiomyoma. Journal of Reproductive Healthcare and Medicine 6 (14), 1, 2025.
29. Vivek Pandey, Alka Sharma, Sonal Tiwari, Yashvant Patel, Jayhind Kumar Chauhan, Safiya Ayesha, Alakh N Sahu, Rashmi Gupta, Anima Tripathi, Pawan K Dubey. Shatavarin-IV rescues the Di (2-ethylhexyl) phthalate (DEHP) induced oxidative stress in rat granulosa cells in vitro. Reproductive Toxicology 130, 108737, 2024.
30. Ravi Bhushan, Shafiul Haque, Rakesh Kumar Gupta, Anjali Rani, Amita Diwakar, Sakshi Agarwal, Anima Tripathi, Pawan K Dubey. Genetic variants related to insulin metabolism are associated with gestational diabetes mellitus. Gene 927, 148704, 2024.
31. Jayhind Kumar Chauhan, Pawan K. Dubey, Sangeeta Rai & Anima Tripathi. Induction and characterization of a rat model of endometriosis. Scientific Reports, volume 14, Article number: 18827 (2024), Impact factor: 3.8
32. Ravi Bhushan, Shafiul Haque, Rakesh Kumar Gupta, Anjali Rani, Amita Diwakar, Sakshi Agrawal, Anima Tripathi, Pawan K. Dubey. Genetic variants related to insulin metabolism are associated with gestational diabetes mellitus. GENE (2024) Impact Factor: 3.5 DOI: https://doi.org/10.1016/j.gene.2024.148704.
33. Sonal Upadhyay and Pawan K. Dubey. Gene Variants polymorphisms and Uterine Leiomyoma: An updated review. Frontiers in Genetics-Cancer Genetics and Oncogenomics". Article Id: 1330807; 2024. IF- 3.7

Department of Chemistry

Research Papers and Articles

1. I Ali, G Afshan, VD Singh, A Dutta, DS Pandey, Efficacy of Redox–Active Cu(II) Dipyrrin Complexes toward Electrochemical Reduction of CO2, 2025, Inorganic Chemistry 64 (12), 5893-5903
2. NK Singh, AK Kushwaha, DS Pandey, AIE– Active BODIHYs Based on Benzothiazole–Hydrazone Chelates and Their Artificial Light Harvesting and Reversible Mechanochromic Behavior, 2025, Chemistry–An Asian Journal, e00434
3. AD Dwivedi, BK Dwivedi, M Tripathi, DS Pandey, Piperazine appended naphthalimide-based organic scaffolds exhibiting efficient aggregation induced emission (AIE) and selective picric acid sensing, 2024, Journal of Luminescence 273, 120665
4. RP Paitandi, I Mondal, Y Kumar, NK Singh, DS Pandey, Design and synthesis of heteroleptic Ni (II) dipyrrin complexes for electrochemical proton reduction reactions: Cyclic voltammetric and theoretical studies, 2024, Inorganica Chimica Acta 569, 122113
5. VK Agrahari, A Bhuin, A Yadav, S Sarkar, S Sadhu, DS Pandey, Efficacy of Methylammonium Iodobismuthate: A Green Catalyst for Reduction of Nitrate to Ammonia, 2025, Inorganic Chemistry
6. N Neha, P Ranjan, S Kumar, RS Singh, DS Pandey, P Das, Functional evaluation of novel chromon derivative compounds for recognition of G-quadruplex structure, 2024, Journal of Molecular Structure 1306, 137890
7. BK Dwivedi, P Bhowmik, SK Pandey, DS Pandey, Red-emissive quinoxaline-based BODIHY: Aggregation-induced emission and multi-responsive properties, 2024, Dyes and Pigments 223, 111974
8. I Ali, BK Dwivedi, VD Singh, DS Pandey, Intermolecular hydrogen bonding-assisted aggregation induced emission in quinolone–quinazoline conjugates and their potential use in acidochromism, 2024, New Journal of Chemistry 48 (15), 6943-6953
9. S Samai, S Atta, MS Singh, Synthetic Strategies Toward 2H-, 4H-Pyrans, and Pyranones: Recent Advances, 2025, ChemistrySelect 10 (21), e01023
10. V Kumar Kanaujiya, J Kandasamy, S Samai, M Shankar Singh, Efficient N-Nitrosation of Sulfonamides with tert-Butyl Nitrite at Room Temperature, 2025, Asian Journal of Organic Chemistry 14 (5), e2025, 00276
11. V Kumar, MA Ansari, AK Yadav, S Singh, K Bandyopadhyay, S Saha, Metal-Free α-Sulfonylation of β-Ketothioamides: Access to -Sulfonyl-β-Ketoamides and their Photophysical Studies, 2025, European Journal of Organic Chemistry 28 (3), e2024, 01098
12. S Singh, M Singh, A Singh, MS Singh, Electrochemical debrominative hydrogenation/deuteration of 2-bromo-N-arylacetamides, 2025, Chemical Communications 61 (35), 6478-6481
13. M Singh, S Singh, G Shukla, M Shankar Singh, Metal-and Additive-Free One-Pot Synthesis of 2, 3, 5-Trisubstituted 1, 3, 4-Thiadiazines Using β-Ketodithioesters and 2-Bromohydrazones through a Cross-Coupling/Cyclization Cascade, 2024, European Journal of Organic Chemistry 27 (46), e2024, 00866
14. HS Korawat, MK Saini, K Prajapati, MS Singh, AK Basak, One-Pot Expeditious Synthesis of Pyrazoloindolones via Base-Promoted Electrocyclization, C–N Coupling and Intramolecular Oxidative Cyclization, 2024, Synlett 35 (20), 2385-2390
15. S Ray, N Gupta, MS Singh, LiBr-Promoted Reaction of β-Ketodithioesters and Thioamides with Sulfoxonium Ylides to Synthesize Functionalized Thiophenes, 2024, Organic Letters 26 (43), 9401-9406
16. G Kumar, S Ray, S Saha, M Shankar Singh, Metal-Free [2+ 3] Dipolar Cycloaddition/Denitration Cascade between Nitroalkenes and α-Diazoesters: Regioselective Access to

Functionalized NH− Pyrazoles, 2024, Asian Journal of Organic Chemistry 13 (6), e2024, 00077
17. S Singh, S Ray, G Shukla, M Singh, MS Singh, Electrochemical Hydroxylation of α-Bromoacetophenones: Access to α-Hydroxyacetophenones, 2024, Advanced Synthesis & Catalysis 366 (9), 2008-2013
18. G Shukla, M Singh, A Kumar Yadav, M Shankar Singh, Aromatic C(sp2)−H Functionalization by Consecutive Paired Electrolysis: Dibromination of Aryl Amines with Dibromoethane at Room Temperature, 2024, Chemistry–A European Journal 30 (9), e202303179
19. S Ray, V Kumar, S Singh, K Bandyopadhyay, S Saha, M Shankar Singh, TBHP-Mediated Intermolecular Radical Coupling and Intramolecular Cyclization Cascade: Access to Furo[2, 3-b]quinoxalines and Their Photophysical Study, 2024, Advanced Synthesis & Catalysis 366 (2), 262-268
20. AK Yadav, D Yadav, V Kumar, S Ray, MS Singh, PIDA-promoted metal-free [3+ 2] heteroannulation of β-ketothioamides with 4-hydroxy coumarins: chemo-/regioselective access to furo [3, 2-c] chromen-4-ones at room temperature, 2024, Organic & Biomolecular Chemistry 22 (21), 4326-4331
21. G Shukla, M Singh, S Singh, MS Singh, Iridium (iii)-catalyzed photoredox cross-coupling of alkyl bromides with trialkyl amines: access to α-alkylated aldehydes, 2024, Chemical Communications 60 (41), 5435-5438
22. AK Sharma, M Kumar, S Chand, KN Singh, Tandem Synthesis of Polysubstituted Pyrroles via Cu(I)-Catalyzed Cyclization of Ketene N, S-Acetals with β-Ketodinitriles, 2025, The Journal of Organic Chemistry 90 (11), 3981-3988
23. K Ishu, KN Singh, Copper (II)-mediated metalloradical activation: Denitrogenative/decarboxylative annulation to 3-arylimidazo [1, 2-a] pyridines using tetrazolo [1, 5-a] pyridines and cinnamic acids, 2025, Chemical Communications
24. K Kishor, NS Prabhakar, KN Singh, Iodine-mediated regioselective C-3 sulfenylation using elemental sulfur and arylhydrazine hydrochloride to access 3-sulfenylated imidazo [1, 2-a] pyridines, 2025, Organic & Biomolecular Chemistry 23 (10), 2418-2423
25. M Kumar, AK Sharma, K Ishu, KN Singh, A Copper-Catalyzed Synthesis of Pyridoquinazolinones via C(sp2)–H Functionalization and Annulation of Benzoic Acids with 2-Aminopyridines, 2024, Organic Letters 26 (49), 10517-10522
26. S Chand, S Kumar, AK Sharma, KN Singh, Metal-Free Decarboxylative Cyanomethylation of β-Aryl/Heteroaryl Substituted α, β-Unsaturated Carboxylic Acids to γ-Ketonitriles, 2024, Organic Letters 26 (46), 10051-10055
27. A Rai, NS Prabhakar, K Kishor, KN Singh, Iodine/DMF-Mediated Regioselective Sulfenylation Using Arenediazonium Tosylates and Sodium Metabisulfite: An Easy Access to 3-Arylthioindoles, 2024, The Journal of Organic Chemistry 89 (20), 15075-15082
28. S Guria, MMM Hassan, S Dey, KN Singh, B Chattopadhyay, Sterically Controlled Lewis Acid–Base Interaction Toward para-Selective Borylation of Aromatic Aldimines and Benzylamines, 2024, Angewandte Chemie 136 (41), e2024, 09010
29. NS Prabhakar, K Kishor, KN Singh, Easy Access to α-Ketothioamides via Oxidative Amidation of Bunte Salts Using Electrolysis or Hypervalent Iodine, 2024, The Journal of Organic Chemistry 89 (18), 13329-13337
30. K Ishu, M Kumar, KN Singh Visible-Light-Induced Synthesis of Vinyl Sulfones via Decarboxylative Sulfonylation of Cinnamic Acids Using Sulfonylazides/p-Toluenesulfonylmethyl Isocyanide/β, 2024, The Journal of Organic Chemistry 89 (15), 10919-10928
31. M Kumar, AK Sharma, K Ishu, KN Singh, Sulfur-Mediated Decarboxylative Amidation of Cinnamic Acids via C═ C Bond Cleavage, 2024,The Journal of Organic Chemistry 89 (14), 9888-9895
32. S Kumar, S Chand, KN Singh, Electro-oxidative coupling of Bunte salts with aryldiazonium tetrafluoroborates: a benign access to unsymmetrical sulfoxides, 2024, Organic & Biomolecular Chemistry 22 (4), 850-856
33. R Singh, M Yadav, M Sharma, I Tiwari, KK Upadhyay, Sunlight-powered total green synthesis of silver nanoresonators from aqueous extract of soybean (Glycine max) chunks: A highly specific colorimetric probe for H2S, 2024, Inorganic Chemistry Communications 160, 111863
34. S Singh, R Singh, AK Singh, M Yadav, SK Mishra, J Dixit, P Verma, 5-Amino uracil activated silver nano resonators for highly selective visual detection of dopamine and as an agonist towards BAP: Promoting shoot growth in Bacopa monnieri L., 2024, Inorganica Chimica Acta 560, 121812
35. S Singh, KK Upadhyay, 2-Boronobenzoic acid functionalized silver nanocubes for label free detection of L-arginine and L-cysteine with real sample applications, 2024, New Journal of Chemistry 48 (32), 14253-14261
36. AK Singh, S Singh, R Singh, M Sharma, I Tiwari, KK Upadhyay, Glucosamine functionalized gold nanoparticles for the specific detection and colorimetric assay of glutathione in real samples, 2024, New Journal of Chemistry 48 (32), 14354-14361
37. A Shrivastav, RK Sahani, S Bhattacharya, A Study on the [3+ 2] Cycloaddition Reaction of Square Planar Ni (II) Azido Complexes: Structure, Properties, and Catalytic Applications of the Products, 2025, Inorganic Chemistry 64 (17), 8799-8818
38. SK Bharti, K Odera, K Tripathi, BD Ward, S Bhattacharya, R Takahashi, Structural and Chemical investigation of a Tridentate Fluorescein Hydrazone (LH3), a Selective Cu^{2+} and Hg^{2+} Chelator: Detection of CN^{-} and HSO_4^{-} by its Cu^{2+} complexes and …, 2025, New Journal of Chemistry
39. R Pratap, RK Sahani, T Maddeshiya, HS Tripathi, MD Pandey, Synthesis and characterization of In (iii) S-thiobenzoylthioglycolate complexes and their catalytic applications in CO 2 fixation and multicomponent synthetic reactions, 2025, Dalton Transactions 54 (11), 4518-4529
40. R Mishra, S Bhattacharya, Synthesis, characterization, and biological applications of zinc(II) complexes of the methylthiosalicylate ligand, 2024, New J Chem 48, 19763-19778
41. J Yadav, S Bhattacharya, RP Chaudhary, Synthesis and Excited State Proton Transfer (ESPT) Studies of 2-(6-Substitutedbenzo [d] Thiazol-2-Yl) Naphthalen-1-Ol Derivatives, 2024, Journal of Fluorescence, 1-17
42. R Pratap, S Rai, A Srivastava, S Bhattacharya, Synthesis of an Organotin S-thiobenzoylthioglycolate Complex and its Application as a Single Source Precursor to SnS2 Thin Film, 2024, European Journal of Inorganic Chemistry 27 (27), e2024, 00297
43. K Kumar, KRB Singh, RS Rathour, J Singh, S Bhattacharya, SS Pandey, Fabrication of nanobioengineered interfaces utilizing quaternary nanocomposite for highly efficient and selective electrochemical biosensing of urea, 2024, Langmuir 40 (40), 21052-21066
44. R Bhandari, R Rai, M Kaleem, R Pratap, N Shraogi, S Patnaik, Boron-Salphen Conjugate based Molecular Probe Exhibiting Fluorescence On-Off-On Response in Detection of Cu2+ and ATP through Displacement Approach, 2024, Chemistry–An Asian Journal 19 (15), e2024, 00398
45. K Kumar, AK Vishwkarma, R Pratap, S Garai, A Pathak, R Sharma, Synthesis, crystal structures, and theoretical studies on bio-pertinent disulfides derived from methyl thiosalicylate and furan-2-thiocarboxylic acid and their interaction with …, 2024, Chemical Papers 78 (6), 3721-3733
46. SK Singh, S Kumar, MS Yadav, S Bhattacharya, VK Tiwari, Glycosyl Triazole Based Pyridinamide/CuI-Catalyzed Coupling of 2-Halobenzamides with Active Methylene Compounds, 2024, Synthesis 56 (06), 975-988,
47. SB R. Pratap, S. Kumari N.Chaturvedi, R.K. Mishra, Synthesis, characterization, and biological applications of zinc(ii) complexes of the methylthiosalicylate ligand, 2024, New Journal of Chemistry 48, 19763-19778,
48. K Kumar, A Shrivastav, AR Choudhury, S Bhattacharya, Synthesis of a series of Cd (ii) furan-2-thiocarobxylates: unprecedented coordination geometry of a Cd (ii) complex exhibiting catalytic efficiency for the synthesis of 3, 4 …, 2024, New Journal of Chemistry 48 (28), 12654-12663,
49. AK Singh, A Singh, P Yadav, AK Singh, VP Singh, Carbazole-quinoline based ultrasensitive fluorometric sensor for detection of Hg2+ in aqueous medium: Crystal structure, DFT and real sample application, 2025, Journal of Molecular Structure 1337, 142197,
50. M Sharma, M Thakran, RK Tiwari, G Kumar, VP Singh, S Lata, S Kumar, Enhanced corrosion resistance of low alloy steel in NaCl environment using 3-substituted chromone derivatives in epoxy coatings, 2025, Journal of Molecular Structure 1327, 141151,
51. P Yadav, A Singh, G Kumar, S Singh, VP Singh, Anthracene appended AIEgen as a reversible fluorescence sensor for hazardous cyanide ion in environmental samples and fabrication of portable test kit for on spot detection, 2025, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 329, 125557
52. AK Singh, A Singh, M Patel, VP Singh, Metal-free graphitic carbon nitride nanosheet for dual mode fluorescence and electrochemical detection of para-nitrophenol, 2025, Nanoscale 17 (21), 13238-13250
53. A Singh, P Yadav, AK Singh, R Tamang, B Koch, VP Singh, Ultrasound defect sensitive mechanochromic material with blue-shifted emission for the detection of Cu 2+ in Alzheimer's disease cells, 2025, Materials Chemistry Frontiers 9 (10), 1520-1533
54. AK Singh, P Yadav, A Singh, AK Singh, SK Sharma, VK Sonkar, VP Singh, A coumarin-derived multi-faceted optical material with molecular logic gate for bioimaging, 2025, Journal of Materials Chemistry C
55. D Sharma, S Chaturvedi, A Kaul, S Pal, VP Singh, AK Mishra, Design and Application of Nuclear and Molecular Theragnostic Probes, 2024, ChemistrySelect 9 (42), e2024, 02204
56. S Gond, AK Singh, P Yadav, P Kumar, S Srikrishna, VP Singh, A coumarin derived turn 'off–on-off'probe for selective sequential monitoring of Al3+ and Cu2+ ions with bio-imaging application, 024, Journal of Photochemistry and Photobiology A: Chemistry 454, 115744
57. A Srivastava, G Kumar, P Kumar, S Srikrishna, P Chandra, VP Singh, Thiazole-Based Silver Ion Sensor for Sequential Colorimetric Visualization of Epinephrine in the Brain Tissues of an Alzheimer's Disease Model of Mouse, 2024, ACS Applied Bio Materials 7 (5), 3271-3282
58. G Kumar, A Srivastava, P Kumar, S Srikrishna, VP Singh, A chromogenic diarylethene-based probe for the detection of Cu2+ in aqueous medium in Drosophila for early diagnosis of Alzheimer, 2024, Heliyon 10 (1)
59. AK Singh, AK Singh, SK Sharma, VK Sonkar, VP Singh, A highly selective coumarin-based chemosensor for dual sensing of Cu2+ and Zn2+ ions with logic gate integration and live cell imaging, Analytical Methods
60. K Mitra, S Maity, A Hajra, S Singh, S Mondal, J Singh, P Maiti, B Ray, Pyrene-tagged poly(N-vinyl pyrrolidone) as efficient nano-carrier for anticancer drug delivery, International Journal of Polymeric Materials and Polymeric Biomaterials 73, 533-543
61. A Rai, S Chaudhary, SP Dube, S Bajda, R Raghuwanshi, SK MishraGreen Solid-State Synthesis of Antibacterial Binary Organic Material: Crystal Growth, Physicochemical Properties, Thermal Study, Antibacterial Activity, and Hirshfeld Surface …, 2025, International Journal of Molecular Sciences 26 (12), 5509
62. A Rai, S Chaudhary, SP Dube, S Bajda, R Raghuwanshi, SK Mishra, Eco-Friendly Solid-State Synthesis of Antibacterial Binary Organic Material: Crystal Growth, Physicochemical Properties, Thermal Study, Antibacterial Activity, and Hirshfield …, 2025, Preprints
63. S Chaudhary, RN Rai, S Maity, P Maiti, Solid-state synthesis of novel anticancer drug eutectic mixture; anticancer, physical and thermal studies, 2024, Materials Letters 375, 137255
64. S Chaudhary, RN Rai, D Jyothi, UP Singh, A Kumar, Solid-state green synthesis of two (1: 1) organic intermolecular compounds; their physico-chemical, thermal, single crystal growth, and atomic packing studies, 2024, Materials Chemistry and Physics 322, 129541
65. D Chatterjee, I Tiwari, Electrochemical Sensing of Benzodiazepines: Tracing the Evolution of Carbonaceous Nano-Hybrid Materials from 3D to 0D, Their Integration into Smart Technologies for Real-time, 2025, Carbon Trends, 100548
66. D Chatterjee, SRP Silva, I Tiwari, Lab-on-a chip electrochemical sensing platform for simultaneous, ultra-sensitive and on-spot detection of 4-aminosalicylic acid and 5-aminosalicylic acid based on synergistic …, 2025, Chemosphere 379, 144425
67. J Prajapati, A Gupta, RK Gautam, J Joshi, N Kumari, I Tiwari, 2D hexagonal boron nitride nanosheets supported with palladium-doped zinc oxide nanoparticle–based electrochemical sensor for the detection of indole-3-acetic acid, 2025, Ionics, 1-16
68. A Gupta, BC Pandey, M Yaseen, R Kushwaha, M Shukla, P Chaudhary, Exploring anticancer, antioxidant, and antimicrobial potential of Aspergillus flavus, a fungal endophyte isolated from Dillenia indica leaf callus, 2025, Heliyon 11 (3)
69. A Gupta, BC Pandey, RK Gautam, I Tiwari, N Kumari, Antibacterial activity of green-synthesized silver nanoparticles, 2025, Antimicrobial Materials and Coatings, 545-568
70. V Kumar, AK Singh, I Tiwari, L Mishra, Novel BN-COOH@ZrO2/GO Composite for Enhanced Electrical Conductivity and Electrochemical Detection of Diclofenac, 2024, ACS omega 10 (1), 1373-1387
71. S Shukla, RK Gautam, I Tiwari, ZnO-MoS2 supported on boron nitride nano-sheets for the adsorptive removal and degradation of ciprofloxacin from aqueous solution, 2024,

International Journal of Environmental Analytical Chemistry, 1-19
72. AK Singh, RK Gautam, S Agrahari, J Prajapati, I Tiwari, Graphene oxide supported Fe3O4-MnO2 nanocomposites for adsorption and photocatalytic degradation of dyestuff: ultrasound effect, surfactants role and real …, 2024, International Journal of Environmental Analytical Chemistry 104 (15), 3506-3532
73. AK Singh, S Agrahari, S Shukla, I Tiwari, M Ahmad, SRP Silva, An Array-based Photolithographically Patterned Electrochemical Sensing Platform for Highly Sensitive Determination of Uric Acid, Dopamine, l-Tryptophan, and …, 2024, Journal of Analysis and Testing 8 (4), 505-517
74. AK Singh, S Agrahari, RK Gautam, I Tiwari, A highly efficient NiCo2O4 decorated g-C3N4 nanocomposite for screen-printed carbon electrode based electrochemical sensing and adsorptive removal of fast, 2024, Environmental Science and Pollution Research 31 (60), 67339-67354
75. S Jaiswal, S Chandra, J Prajapati, I Tiwari, MK Bharty, Copper-Based Electrochemical Sensor Derived from Thiosemicarbazide for Selective Detection of Neurotransmitter Dopamine, 2024, Langmuir 40 (43), 22646-22657
76. S Agrahari, AK Singh, I Tiwari, S Srikrishna, Label free and ultrasensitive electrochemical detection of carcinoembryonic antigen using a disposable aptasensor based on Pd and graphene, 2024, Microchemical Journal 205, 111359
77. A Gupta, BC Pandey, J Verma, I Tiwari, AN Sahu, RK Manhas, N Kumari, Biosynthesis of silver nanoparticle from flower extract of Dillenia indica and its efficacy as antibacterial and antioxidant, 2024, Microbial Pathogenesis 193, 106779
78. AK Singh, S Agrahari, RK Gautam, I Tiwari, Fabrication of an innovative electrochemical sensor based on graphene-coated silver nanoparticles decorated over graphitic carbon nitride for efficient determination of estradiol, 2024, Environmental Science and Pollution Research 31 (27), 38628-38644
79. J Prajapati, RK Gautam, I Tiwari, Copper-doped titanium dioxide nanoparticles decorated on 2D-hexagonal boron nitride nanosheets for susceptible electrochemical detection of an anti-cancer drug in environmental, 2024, Environmental Science and Pollution Research, 1-15
80. S Agrahari, AK Singh, RK Gautam, I Tiwari, Nano-biosorbents and Their Applications in Electrochemical Sensing and Adsorptive Removal of Environmental Pollutants, 2024, Biosorbents, 249-266
81. S Agrahari, AK Singh, I Tiwari, S Srikrishna, Electrochemical deposition of Pd on MoS2 supported graphene nanoflakes over functionalised MWCNTs as an immunosensor for detection of lung cancer biomarker, 2024, Microchemical Journal 196, 109698
82. N Dhiman, S Tehlan, A Misra, D Ghosh, S Patnaik, Intelligent receptors with molecular imprints based on hybrid Fe3O4 nanoparticles for effective extraction and determination of carbofuran from contaminated water using LC-MS/MS, 2025, Materials Science and Engineering: B 318, 118291
83. M Kaleem, R Rai, A Misra, Synthesis and Photophysical Properties of Diketopyrrolopyrrole-Benzimidazole Conjugate: A Donor–Acceptor–Donor Type Molecular Probe for CN− and TFA, 2025, Industrial & Engineering Chemistry Research
84. R Bhandari, M Kaleem, R Rai, N Shraogi, S Patnaik, A Misra, A sensitive molecular probe exhibiting significant change in their photophysical and morphological behavior upon interaction with Fe3+ ion, 2025, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 330, 125671
85. R Rai, M Kaleem, R Bhandari, A Misra, An Anthracene-Imidazoanthraquinone Conjugate Exhibiting Ratiometric Fluorescence Turn − on Behavior with CN− and F− Anions, 2025, ChemPlusChem 90 (4), e2024, 00660
86. M Kaleem, R Rai, R Bhandari, H Mishra, A Misra, Photochemical and electrochemical behavior of a molecular probe: fluorescence on-off-on response to detect multiple ions (Cu2+, ClO− and CN−) with different rate of reaction, 2025, Dyes and Pigments 232, 112492
87. R Rai, R Bhandari, M Kaleem, N Shraogi, S Patnaik, H Mishra, A Misra, An Imidazole-Naphthalimide-Based pH-Sensitive Molecular Probe for Selective Detection of Picric Acid and Cell Imaging, 2024, Industrial & Engineering Chemistry Research 63 (23), 10077-10092
88. R Bhandari, R Rai, M Kaleem, N Shraogi, S Patnaik, A Misra, A PET based pH-responsive bridged organic scaffold exhibiting sensitivity for lysosome and Hg2+ ion through fluorescence Off–On–Off response, 2024, Journal of Photochemistry and Photobiology A: Chemistry 447, 115258
89. P Mandal, AP Kawale, N Shekhar, A Srivastava, S Jaiswal, R Kumar, Temperature-Tunable Adsorption of Methylene Blue by Poly(AAc-Co-AAm) Hydrogels: Swelling Behavior, Kinetics, and Isotherm Studies, 2025, Journal of Applied Polymer Science, https://doi.org/10.1002/app.57626
90. K Megha, J Sheetal, M Baishakhi, S Rakesh K., K Rajesh, RAFT Synthesis of Self-Assembled Poly(Acrylic Acid)-b-poly(N-Acryloyl-L-Tryptophan) Polymer: Investigating Micelle Formation and Biocompatibility, 2025, Macromolecular Chemistry and Physics, e00108, 1-19
91. S Jaiswal, VK Sharma, D Kumar, P Yadav, B Koch, SK Verma, Development of a Self-Healing, Tissue-Adhesive, and Bacteriostatic Guar Gum-Based Hydrogel for Enhanced Wound Healing and Tissue Regeneration, 2025, ACS Applied Bio Materials 8 (5), 3873-3887
92. P Yadav, S Afgan, S Singh, R Prakash, P Maity, R Kumar, PVA/AMPS hydrogels: Promising adsorbents for wastewater treatment with high efficiency and reusability, 2025, Journal of Applied Polymer Science 142 (6), e56471
93. S Shiwani, S Smita, A Shere, Y Paramjeet, G Vellaichamy, K Rajesh, Permselective Films of Sulfonic Acid-Functionalized N-Vinylcarbazole Block Copolymers: Optoelectronic Studies and Electrochemical Sensing of Dopamine, 2025, ACS Applied Polymer Materials 7 (2), 666–679
94. J Sheetal, Y Paramjeet, K Rajesh, Biomedical Applications of Aerogels: Therapeutic Potential, Safety, and Future Research Directions, 2024, Polymers for Advanced Technologies 35 (12), e70019
95. P Krishtan, J Sheetal, Y Paramjeet, K Rajesh, M Tarun, KY Sanjeev, Multi-responsive hydrogel based on Sodium alginate with acrylic acid and methacrylic acid: Impact on normal and cancerous cells, 2024, Journal of Polymer Science 63 (3), 578-594
96. Y Paramjeet, S Shiwani, J Sheetal, K Rajesh, Synthetic and natural polymer hydrogels: A review of 3D spheroids and drug delivery, 2024, International Journal of Biological Macromolecules 280, 136126
97. K Pal, S Kumar, P Yadav, S Jaiswal, R Kumar, A Acharya, Chitosan-based self-healing hydrogel mediated by poly (acrylic-methacrylic acid) exhibiting high biocompatibility and anti-tumor activity, 2024, Journal of Applied Polymer Science 141 (46), e56231
98. S Jaiswal, S Kumar, P Yadav, K Pal, S Afgan, A Acharya, R Prakash, A non-covalently cross-linked self-healing hydrogel for drug delivery: haracterization, mechanical strength, and anti-cancer potential, 2024, New Journal of Chemistry 48, 15670-15686
99. Y Paramjeet, A Shere, P Krishtan, J Sheetal, G Pooja, P Ravi, K Rajesh, Allylthiourea-mediated self-healing hydrogels based on poly(vinyl alcohol): Enhanced cell viability/biocompatibility and sustained drug release, 2024, Journal of Polymer Science 62 (13), 3073-3091
100. S Pandey, V Rathour, S Singh, V Singh, A Tiwari, S Dubey, V Ganesan, Hydrothermal synthesis of Co3O4@ soybean-derived carbon for sensitive electrochemical detection of chloramphenicol in food products, 2025, Journal of the Indian Chemical Society, 101964
101. K Pattanaik, V Singh, S Bhattacharya, V Ganesan, S Sabiah, Electrocatalytic H2O2 production through di-nuclear copper (II) hydroxo bridged complexes with pyrrolidine and piperidine-based ligands, 2025, Inorganic Chemistry Communications, 114854
102. PS Thakur, V Singh, V Ganesan, M Sankar, Porphyrin-Based Covalent Organic Framework Encapsulating Multiwalled Carbon Nanotubes: A High-Performance Electrocatalyst for Oxygen Reduction Reaction, 2025, Langmuir 41 (16), 10456-10468
103. V Singh, S Singh, V Rathour, A Tiwari, V Ganesan, Metal–Organic Framework-Derived Amorphous Cobalt–Vanadium Oxide on MWCNT: A Superior Bifunctional Catalyst for Oxygen Evolution and Reduction Reactions, 2025, ACS Applied Engineering Materials 3 (3), 672-683
104. N Kumar, S Singh, S Joshi, M Yadav, DK Singh, PK Sonkar, V Ganesan, Teak wood-derived mesoporous carbon and its composite with molybdenum sulphide for electrochemical oxygen reduction, 2025, Bulletin of Materials Science 48 (1), 1-10
105. M Tasleem, V Singh, A Tiwari, V Ganesan, M Sankar, Electrocatalysis Using Cobalt Porphyrin Covalently Linked with Multi-Walled Carbon Nanotubes: Hydrazine Sensing and Hydrazine-Assisted Green Hydrogen Synthesis, 2025, Small 21 (7), 2401273
106. S Singh, V Singh, V Rathour, V Ganesan, A comparative study on the electrocatalytic efficiency of coupled (CuO-Co3O4) vs. mixed (CuCo2O4) metal oxides: Probed by hydrazine oxidation and sensitive determination, 2025, Electrochimica Acta 510, 145337
107. S Singh, S Singh, S Afgan, P Yadav, V Ganesan, R Kumar, Permselective Films of Sulfonic Acid-Functionalized N-Vinylcarbazole Block Copolymers: Optoelectronic Studies and Electrochemical Sensing of Dopamine, 2025, ACS Applied Polymer Materials 7 (2), 666-679
108. L Singh, VK Patel, A Mukherjee, V Singh, A Kumar, A Rai, V Ganesan, One-pot instant flame synthesis of strontium-doped lanthanum nickelate perovskite for energy conversion and storage, 2025, Journal of the American Ceramic Society, e70046
109. AK Singh, D Sharma, DK Singh, S Sarraf, AK Basu, V Ganesan, A Saha, Oxidase-like nanozyme activity of ultrathin copper metal-organic framework nanosheets with high specificity for catechol oxidation, 2025, ChemCatChem, e2024, 01029
110. V Verma, SR Choudhury, SR Choudhury, V Ganesan, Ethylene-vinyl acetate binder-based carbon-supported Pt Anode empowered by potassium borohydride fuel for direct borohydride fuel cells: defining strategies to achieve ambient …, 2025, Journal of Solid State Electrochemistry 29 (1), 29-40
111. S Singh, V Singh, V Rathour, V Ganesan, Carbon-Based Nanomaterials and Their Green Energy Applications: Carbon Nanotubes, 2024, Carbon-based Nanomaterials for Green Applications, 505-532
112. S Singh, A Shrivastava, V Singh, V Rathour, I Sinha, V Ganesan, Unveiling Enhanced Oxygen Reduction in Multi-Walled Carbon Nanotube-Supported MnCo2O4: Experimental and Theoretical Insights into Tin Substitution for …, 2024, ACS Applied Energy Materials 7 (22), 10417-10427
113. A Tiwari, M Yadav, S Singh, V Singh, V Rathour, V Ganesan, Phenosafranine integrated sulfonic acid-functionalized multi-walled carbon nanotubes for Cr (VI) detection, 2024, Materials Chemistry and Physics 326, 129843
114. M Hefayathullah, S Singh, V Ganesan, G Maduraiveeran, Metal-organic frameworks for biomedical applications: A review, 2024, Advances in Colloid and Interface Science 331, 103210
115. V Verma, SR Choudhury, V Rathour, SR Choudhury, V , Ganesan, Hollow core mesoporous carbon spheres as catalyst support for improved platinum utilization in phosphoric acid fuel cells, 2024, Microporous and Mesoporous Materials 367, 113005
116. S Singh, A Shrivastava, DK Singh, M Yadav, V Singh, V Rathour, A Tiwari,, ZnMn2O4 spinel nanocrystals-decorated multi-walled carbon nanotubes for oxygen reduction: Experimental and theoretical studies on the strong coupling facilitated four-electron, 2024, International Journal of Hydrogen Energy 56, 188-198
117. EM Manohar, S Roy, S Bandyopadhyay, M Pal, S Singh, V Ganesan, A linear trinuclear acetate bridged cobalt complex containing pyridine-based bicompartmental ligand: synthesis, structural, magnetic, and electrocatalytic oxygen evolution studies, 2024, Crystal Growth & Design 24 (3), 1032-1041
118. S Pal, S Jana, DK Singh, V Ganesan, UP Azad, R Prakash, Engineered Ni–Fe prussian blue analogue nanocubes and their transformation into nanocages and mixed oxide for applications as bifunctional electrocatalyst, 2024, International Journal of Hydrogen Energy 50, 52-65
119. PK Yadav, V Ganesan, Green Carbon Quantum Dots for Efficient Sensing of Heavy Metal Ions, 2024, Green Carbon Quantum Dots: Environmental Applications, 289
120. S Singh, V Ganesan, Enhanced Oxygen Reduction Activity of Sn-doped MnCo2O4 on Carbon Support, 2024,
121. V Rathour, S Singh, V Singh, DK Singh, V Verma, PK Sonkar, V Ganesan, NaCl-templated synthesis of soybean-derived nitrogen-rich mesoporous carbon material: iron phthalocyanine integration for four-electron oxygen reduction, 2024, Sustainable Energy & Fuels 8 (18), 4344-4354
122. V Rathour, S Singh, V Singh, DK Singh, M Yadav, A Tiwari, V Ganesan, Iron phthalocyanine integrated with boron-doped reduced graphene oxide for highly selective four-electron oxygen reduction: an experimental study, 2024, Materials Advances 5 (9), 3644-3648
123. V Singh, DK Singh, M Yadav, S Singh, V Rathour, A Tiwari, V Ganesan, A Co and Fe bimetallic MOF with enhanced electrocatalytic oxygen evolution performance: exploring the electronic environment modifications upon Fe incorporation, 2024, Energy Advances 3 (3), 636-647
124. AS Bulbul, V Rathour, V Ganesan, M Sankar, π-Extended nonplanar cobalt porphyrins immobilized on MWCNTs as efficient electrocatalysts for selective oxygen reduction reaction, 2024, Chemical Communications 60 (23), 3146-3149
125. V Kumar, M Nidhar, M Sheraj, VP Sharma, P Gupta, RK Singh, AK Tewari, Designing DPP-4 Inhibitors: Synthesis, Characterization, In Silico & In vitro evaluation, and Theoretical Calculation of Flexible Compounds Linked via

Ortho Xylyl Spacers, 2025, Journal of Molecular Structure, 142599
126. R Kumar, M Nidhar, AK Tewari, Design, Synthesis, in Silico and in Vitro Dipeptidyl Peptidase-4 Activity of Triazole-Based Heterocyclic Compounds, 2025, Chemistry & Biodiversity 22 (5), e2024, 02381
127. P Srivastava, A Tewari, AZ Al-Riyami, Artificial intelligence chatbots in transfusion medicine: A cross-sectional study, 2025, Vox Sanguinis
128. M Mishra, A Jaiswal, MD Mitra, M Tauseef, V Kumar, AK Tewari, Deciphering the role of noncovalent interactions in the conformational preferences of Bis (3-Chlorobenzyl) imidazolium salt: Perspective for Cox-2 selective anti-inflammatory ..., 2025, Next Research 2 (1), 100127
129. A Jaiswal, M Mishra, MD Mitra, MD Ganji, V Kumar, AK Tewari, R Kumar, Quantitative intermolecular interactions (Cl··· Cl, Cl··· F, and F··· F) analysis of halogen substituted nicotinonitrile derivatives and in-silico anti-diabetic activity, 2025, Journal of Molecular Structure 1322, 140372
130. A Tewari, AK Tripathi, SYNTHESIS OF QUINOLINE-BASED THERMO RESPONSIVE POLYMERIC GEL AND APPLICATION IN EFFICIENT FLUOROPHORIC DETECTION OF Hg2+ IONS, 2025,
131. R Dubey, SK Pandey, T Gajbhiye, M Pandey, A Tiwari, AK Tewari, Existing pharmacological challenges and the need for improved therapies, 2025, Diabetes Mellitus, 225-238
132. M Nidhar, S Sura, V Kumar, AK Tewari, Introduction to diabetes mellitus, 2025, Diabetes Mellitus, 1-19
133. V Kumar, K Bandyopadhyay, M Nidhar, VP Sharma, P Yadav, S Gill, Designing symmetrically folded scaffolds of pyridazinone and triazinone derivatives linked via N, N-diethyl-4-nitro-benzenesulfonamide to explore luminescent materials, 2025, Journal of Materials Chemistry C 13 (9), 4665-4672
134. VP Sharma, M Nidhar, M Sheraj, V Kumar, P Sonker, A Patel, S Gill, Ultrasound-assisted ring opening of epoxides in HFIP: THF: Synthesis, characterization, computational studies and molecular docking of novel 2 hydroxy dithiocarbamates, 2024, Journal of Molecular Structure 1318, 139212
135. VP Sharma, V Kumar, R Singh, P Sonker, P Yadav, M Kashif, A Gaurav, Synthesis, crystal structure, Hirshfeld surface analysis, DFT investigation, and molecular docking, of novel organic dithiocarbamates obtained from Baylis-Hillman adducts ..., 2024, Journal of Molecular Structure 1305, 137715
136. P Sonker, R Tamang, AK Mehata, M Nidhar, VP Sharma, V Kumar, PTSA-induced synthesis, in silico and nano study of novel ethylquinolin–thiazolo–triazole in cervical cancer, 2024, Future Medicinal Chemistry 16 (8), 751-767
137. S Singh, K Bandyopadhyay, VK Sharma, B Koch, S Saha, Harnessing conformational changes in TAM for enhanced photophysical properties leading to biological applications, 2025, Dyes and Pigments 241, 112865
138. SK Panja, SS Sharma, K Sharma, K Patel, AL Prajapat, S Saha, S Bera, Thiophene oligomer based NIR dyes: Photophysical properties and application in dye sensitized solar cells, 2025, Chemical Physics 595, 112721
139. K Bandyopadhyay, A Verma, S Saha, Good fat vs bad fat in Milk: A molecular level Understanding of Indian cow milk using confocal Raman microscopy, 2025,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 330, 125705
140. V Kumar, MA Ansari, AK Yadav, S Singh, K Bandyopadhyay, S Saha, Metal-Free α-Sulfonylation of β-Ketothioamides: Access to α-Sulfonyl-β-Ketoamides and their Photophysical Studies, 2025, European Journal of Organic Chemistry 28 (3), e2024, 01098
141. K Bandyopadhyay, A Verma, S Saha, Dual-Antenna Trimetallic Lanthanide Complexes for Enhanced Near-Infrared Luminescence, 2025, Chemistry–An Asian Journal, e00017
142. V Kumar, K Bandyopadhyay, M Nidhar, VP Sharma, P Yadav, S Gill,Designing symmetrically folded scaffolds of pyridazinone and triazinone derivatives linked via N, N-diethyl-4-nitro-benzenesulfonamide to explore luminescent materials, 2025, Journal of Materials Chemistry C 13 (9), 4665-4672
143. A Sinha, S Sen, T Singh, A Ghosh, S Saha, K Bandyopadhyay, A Dey, Diverse Self-Assembled Molecular Architectures Promoted by C–H••• O and C–H••• Cl Hydrogen Bonds in a Triad of α-Diketone, α-Ketoimine, and an Imidorhenium Complex: A Unified, 2024, ACS omega 9 (45), 45518-45536
144. K Bandyopadhyay, A Verma, A Pandey, R Walia, S Saha, The crucial role of stability of intercalating agent for DNA binding studies in DMSO/water system, 2024, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 315, 124265G
145. Kumar, S Ray, S Saha, M Shankar Singh, Metal-Free [2+ 3] Dipolar Cycloaddition/Denitration Cascade between Nitroalkenes and α-Diazoesters: Regioselective Access to Functionalized NH− Pyrazoles, 2024, Asian Journal of Organic Chemistry 13 (6), e2024, 00077
146. K Bandyopadhyay, A Verma, T Ghosh, RK Kanaparthi, S Nadendla,Illuminating Advances: Photochemistry and Photophysics of N-Heterocyclic Carbenes (NHCs) and Its Structural Correlation, 2024, Revolutionizing Energy Conversion-Photoelectrochemical Technologies and ...
147. PA Rao, H Padhy, K Bandyopadhyay, AV Rao, R Ganta, S Bevara, Exploring the Gamma-Ray Enhanced NIR-Luminescence and Cytotoxic Potential of Lanthanide-Naphthalene Dicarboxylate based Metal–Organic Frameworks, 2024, Journal of Fluorescence, 1-17
148. J Srivastava, T Nandi, S Saha, EP Namburi, Ionic Liquids: New Functional Fluids as Lubricants, 2024, Novel Defence Functional and Engineering Materials (NDFEM) Volume 1 ...
149. TS Avinash, P Mondal, R Chander, T Mandal, J Malviya, H Chaudhari, Efficacy and safety of fixed dose combination of silodosin and tadalafil in Indian patients with benign prostatic hyperplasia and erectile dysfunction: A phase 3 randomized 2024, European Urology 85, S1790-S1791
150. S Dixit, S Ghosh, N Patel, M Alam, K Bandyopadhyay, N Shahi, Y Kumar, Raman effect and unusual transport properties of Co-doped Mn2FeAl Heusler alloy, 2024, Europhysics Letters 144 (5), 56003
151. K Bandyopadhyay, A Verma, A Pandey, R Walia, S Saha Molecular and Biomolecular Spectroscopy, 2024, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 315, 124265
152. RK Saini, PJ Borpatra, SK Pandey, Annulative Coupling of Sulfoxonium Ylides with Aldehydes and Naphthols or Coumarins: Easy Access to Fused Dihydrofurans, 2025, The Journal of Organic Chemistry 90 (4), 1645-1655
153. TN Chaubey, PJ Borpatra, SK Pandey Elemental Sulfur-Promoted Annulative Coupling of 2-Aminobenzamides and 2-Aminobenzylamines with Sulfoxonium Ylides: Access to Quinazolinones and Quinazolines, 2024, European Journal of Organic Chemistry 27 (47), e2024, 00889
154. AK Dubey, RK Yadav, VL Gole, S Singh, R Singhal, SK Pandey, AP Singh, Unveiling the power of g-C3N4@CR composite photocatalyst in simulated solar light-assisted degradation of fast green dye and nitrophenol, 2024,
155. Main Group Chemistry 23 (3), 237-250 AK Gola, A Dubey, SK Pandey, Mn (I)-Catalyzed Site-Selective C–H Activation: Unlocking Access to 3-Arylated Succinimides from 2-Arylpyridines and Maleimides, 2024, The Journal of Organic Chemistry 89 (20), 15020-15025
156. R Kumar Saini, S Kumar Pandey, Annulative Coupling of β-Ketosulfoxonium Ylides and -Ketothioamides: Access to Thiazolines and Thiazolidin-4-Ones, 2024, Advanced Synthesis & Catalysis 366 (19), 4073-4077
157. V Kumar, S Sharma, S Kumar Pandey, V Singh, Base-Mediated Regioselective Synthesis of Pyrrolo[3, 4-b]quinolin-1-one and Benzo[b][1, 6]Naphthyridin-1(2H)-One Derivatives from o-Alkynyl Quinoline-3, 2024, European Journal of Organic Chemistry 27 (37), e2024, 00582
158. AK Gola, N Kumar, SK Pandey, I2-Promoted Chemoselective Annulative Coupling of 2-Aminobenzamides with Sulfoxonium Ylides: Easy Access to Quinazolinones, 2024, The Journal of Organic Chemistry 89 (17), 12410-12420
159. U Kumar, A Sharma, TN Chaubey, SK Pandey, Multicomponent Tandem Cyclization/Aromatization Reaction: Access to 2-Substituted Naphthothiazoles and Benzothiazoles, 2024, European Journal of Organic Chemistry 27 (30), e2024, 00449
160. RK Saini, PJ Borpatra, TN Chaubey, SK Pandey, I2-Mediated Site-Selective C–H Functionalization: Access to p-Amino-Substituted Unsymmetrical Benzils and Quinoxalines from Sulfoxonium Ylides, 2024, The Journal of Organic Chemistry 89 (8), 5536-5545
161. TN Chaubey, PJ Borpatra, SK Pandey, Annulative coupling of sulfoxonium ylides with 2-amino (thio) phenols: easy access to 2-acyl benzox (thio) azoles, 2024, Organic & Biomolecular Chemistry 22 (44), 8773-8780
162. N Kumar, SK Pandey,Annulative coupling of α-substituted acrylic acids and sulfoxonium ylides: easy access to bioactive γ-butyrolactones, 2024, Chemical Communications 60 (67), 8872-8875
163. N Kumar, AK Gola, SK Pandey, Straightforward access to α-carbonyloxy esters and β-keto thioethers from aryldiazoacetates, 2024, Organic & Biomolecular Chemistry 22 (8), 1624-1628
164. RK Patel, A Singh, R Lalneihpuii, RK Mishra, Theoretical and computational study on structure, dynamics, and configurational entropy correlation in gold-silicon liquid, 2025, Physics of Fluids 37 (1)
165. J Yadav, P Raghav, RK Mishra, DN Upadhyaya, V Prasad, CP Chaturvedi, Non-syndromic Cleft Lip and Palate Patients of the North Indian Population and the Association of Methylenetetrahydrofolate Reductase Gene, 2024, Cureus 16 (7)
166. A Singh, RK Patel, RK Mishra, R Lalneihpuii, A Theoretical and Computational Study of Structure-Property Relationship in Five Binary Liquid Alloys, 2024, ChemistrySelect 9 (22), e2024, 00988
167. Roy, S. K., et al. The Multiplet Electronic Structure of U2+ Ion: Relativistic All-electron Ab Initio Approach. Graphic Era Deemed to be University, 2024, p. p. 57.
168. A Rai, M Pandey, S Tripathi, AS Parmar, KVS Ranganath, Biobased Polyimine Vitrimers: Promising Materials for Fluorescence Quenching, Anticounterfeiting, and Plastic Degradation, 2025, ACS omega
169. M Pandey, A Rai, N Prasad, A Mohanta, RK Asthana, KVS Ranganath, Hydrogenation of biomass-derived fatty acid esters and Dunaliella salina catalyzed by Pd on V2O5, 2025, Biomass Conversion and Biorefinery, 1-13
170. M Pandey, N Mathur, KVS Ranganath, Borophene-Graphene Oxide: Synthesis, Characterization and Catalytic Application, 2025, New Journal of Chemistry
171. PK Gupta, N Kumar, K Naik, AS Parmar, KVS Ranganath, NiO Nanomaterial Functionalized with Organic Gel Molecules for Heterogeneous Asymmetric Catalysis, 2024, ACS Applied Nano Materials 7 (19), 23062-23075
172. M Pandey, N Kumar, N Prasad, RK Asthana, KVS Ranganath, Surface-modified NiFe2O4 nanoparticles for the production of biodiesel from fatty acids and microalgae lipids Dunaliella salina, 2024, Applied Organometallic Chemistry 38 (3), e7370
173. PK Gupta, KVS Ranganath, Synthesis of fluorescent carbon dots using bio-waste powder for photo-degradation of dyes: simulation and mechanistic study, 2024, New Journal of Chemistry 48 (37), 16527-16537
174. Efficient Photoinduced Charge Transfer between Linear Conjugated Polymer and Polymer Network for Light Harvesting Application, 2025, ACS Applied Polymer Materials 7 (10), 5874-5883
175. Anamika, N Gupta, D Sharma, A Maurya, A Kumar, JH Jou, BK Kuila, Side-Chain Polarity-Dependent Photoluminescence and Deep Blue Electroluminescence in Fluorene-Based Conjugated Polymer Networks, 2025, ACS Applied Polymer Materials 7 (9), 5672-5683
176. Anamika, N Gupta, A Maurya, BK Kuila, Highly Fluorescent Conjugated Polymer Network as Reversible and Colorimetric Probe for Ultrafast Detection of BF3 and Amine, 2025, ACS Applied Polymer Materials 7 (4), 2584-2594
177. BK Kuila, R Mishra, R Laxmi, Visible light driven CN Cross-Coupling Reaction from a Conjugated Polymer Network, 2025, Organic & Biomolecular Chemistry
178. R Laxmi, P Gupta, R Mishra, N Gupta, BK Kuila, Ni–Pd bimetallic nanoparticle stabilized polymer membrane as an efficient dip-catalyst for oxidative coupling of aromatic amines to access symmetrical and unsymmetrical azo, 2025, Dalton Transactions 54 (10), 4167-4179
179. RS Fernandes, N Gupta, C Sanjay, A Himaja, B Ghosh, BK Kuila, N Dey, Engaging a highly fluorescent conjugated polymer network for probing endogenous hypochlorite in macrophage cells: improved sensitivity via signal amplification, 2025, Nanoscale Advances 7 (4), 1183-1194
180. R Laxmi, Anshuman, N Gupta, Anamika, A Maurya, RP Behere, R Sharma, Fluorene and Triazine-Based Conjugated Polymer Networks with Tuned Frontier Orbital Energy Levels for Improving Organic hotocatalysis, 2024, ACS Applied Polymer Materials 6 (24), 15136-15149
181. G Ganesh, V Sunil, J Ling, U Qamar, Il Misnon, BK Kuila, S Das, CC Yang, Carbon dots as a sustainable electrolyte enhancer in aqueous alkaline electrochemical capacitors, 2024, Journal of Energy Storage 94, 112465
182. R Laxmi, N Gupta, BK Kuila, In situ palladium-doped conjugated polymer network for visible light and natural sunlight-driven Suzuki type cross-coupling reaction at room temperature, 2024, Catalysis Science & Technology 14 (12), 3396-3406
183. G Negi, VK Pandey, PS Potharaju, MK Jaiswal, KH Harshan, VK Tiwari, SARS-CoV-2 Evolved Variants Bind to Sialylated Gangliosides and Are Inhibited by a Tetravalent Sialo-Glycocluster, 2025, ACS Infectious Disease
184. SK Singh, A Sharma, N Mishra, VK Tiwari, Growing Impact of 'Click Chemistry' Inspired Glycohybrid 1, 2, 3-Triazoles in Organic Synthesis, 2025, Carbohydrate Research
185. VK Pandey, MK Jaiswal, MS Yadav, D Ansari, S Maurya, VK Tiwari, Copper(I)-Catalyzed Tandem One-Pot Synthesis of Bis(1, 2, 3-triazoles) and Tetrakis (1, 2, 3-triazole)

Glycoconjugates, 2025. European Journal of Organic Chemistry, 2025, 00491
186. S Rajkhowa, MK Jaiswal, SK Singh, S Chaubey, VK Tiwari, Click Chemistry" Inspired 1, 2, 3-Triazole-Based Chemosensors: Recent Developments and Future Perspectives, 2025, Chemistry and Biodiversity
187. MS Yadav, VK Pandey, MK Jaiswal, SK Singh, A Sharma, M Singh, Late-Stage Functionalization Strategies of 1, 2, 3-Triazoles: A Post-Click Approach in Organic Synthesis, 2025, The Journal of Organic Chemistry 90 (17), 5731-5762
188. SK Mishra, VK Tiwari, K Patial, N Mishra, Carbohydrate-functionalized nanoparticles: from laboratory to clinical applications, 2025, Carbohydrates in Chemistry and Biology, 49-88
189. MS Yadav, VK Tiwari, Emerging Trends of Benzotriazole Ring Cleavage (BtRC) in Organic Synthesis, 2025, SYNLETT
190. D Ahmad, MK Jaiswal, MS Yadav, VK Pandey, M Singh, VK Tiwari, Biocompatible Silicomolybdic Acid Promoted One-Pot Expeditious Synthesis of 1, 2, 3-NH-Triazoles, 2025, Organic & Biomolecular Chemistry, 4045-4057
191. S Singhal, S Gaur, VK Tiwari, RK Singh, S Bajpai, G Brahmachari, Phytochemicals: targeting therapeutics in managing Prostate Cancer, 2025, Discovery and Development of Anti-Prostate Cancerous Agents from Natural ...
192. A Sharma, MK Jaiswal, D Ansari, RP Tripathi, VK Tiwari, Recent Development on Stereoselective Intramolecular O-Glycosylation Methodology, 2025, Carbohydrate Research
193. MS Yadav, MK Jaiswal, T Gupta, VK Tiwari, Recent Development in Denitrogenative Transannulation of Benzotriazoles, 2025, Denitrogenative Transformation of Nitrogen Heterocycles, 325-358
194. VK Tiwari, AK Agrahari, S Rajkhowa, Chemistry and Biology of Carbohydrates: Part 2, 2025, Current Organic Chemistry 29 (6), 421-422
195. MS Yadav, MK Jaiswal, S Kumar, SK Singh, S Garai, VK Tiwari, Substrate-Dependent Stereoselective Synthesis of Pyrrolo[3, 4-b]pyridin-5-ones and Pyridyl-isoindoline-1-ones using Bis(benzotriazol-1-yl) Ligand, 2025, Chemistry - An Asian Journal 20 (5), e2024, 01301
196. AK Agrahari, S Rajkhowa, SK Singh, MK Jaiswal, VK Tiwari, Growing Impact of Bioorthogonal Click Chemistry in Cell Surface Glycan Labeling, 2025, Current Organic Chemistry 29 (6), 495-517
197. VK Tiwari, AK Agrahari, S Rajkhowa, Chemistry and Biology of Carbohydrates: (Part 1), 2025, Current Organic Chemistry 29 (6), 329-330
198. MK Jaiswal, MS Yadav, S Maurya, D Ansari, VK Tiwari, HFIP-Mediated Synthesis of 4-Aryl-NH-1, 2, 3-Triazoles and 1, 5-Disubstituted 1, 2, 3-Triazolyl Glycoconjugates, 2024, The Journal of Organic Chemistry 89 (23), 17213–17227
199. MK Jaiswal, MS Yadav, M Singh, S Garai, VK Tiwari, Silicomolybdic Acid Cluster as Biocompatible Catalyst for One-Pot Tandem Synthesis of Orthogonally Protected Glycosides, 2024, The Journal of Organic Chemistry 89 (15), 10698–10708
200. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Post-functionalization of Click-Derived 1, 2, 3-Triazoles, 2024, Click Chemistry, 637-670
201. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Tandem/MCR Click Chemistry in Organic Synthesis, 2024, Click Chemistry, 603-635
202. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Intramolecular Click Chemistry in Organic Synthesis, 2024, Click Chemistry, 559-601
203. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click-Mediated 1, 2, 3-Triazoles in Catalysis, 2024, Click Chemistry, 529-558
204. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Growing Opportunities of Click Chemistry in Drug Development, 2024, Click Chemistry, 479-528
205. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click Chemistry in Nucleic Acids, 2024, Click Chemistry, 437-478
206. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, CuAAC 'Click' in Carbohydrate Chemistry, 2024, Click Chemistry, 392-435
207. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click Chemistry in Lipid Modification, 2024, Click Chemistry, 363-391
208. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click Chemistry in Polymer Science, 2024, Click Chemistry, 235-262
209. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click Chemistry in Dendrimer Synthesis, 2024, Click Chemistry, 297-234
210. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, CuAAC 'Click Chemistry' in Synthesis of Peptides and rotein Conjugates, 2024, Click Chemistry, 271-296
211. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, SuFEx Click Chemistry: Discovery to Applications, 2024, Click Chemistry, 239-270
212. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Thiol-Ene 'Click Chemistry': Discovery to Applications, 2024, Click Chemistry, 205-238, VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Bioorthogonal Click Chemistry: Invention to Applications in Living Systems, 2024, Click Chemistry, 175-203
213. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Catalyst-Free Thermally Induced 1, 2, 3-Triazole Forming Approaches, 2024, Click Chemistry, 145-173
214. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Organocatalyzed 1, 2, 3-Triazoles Forming Click Chemistry, 2024, Click Chemistry, 113-144
215. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, RuAAC 'Click Chemistry'-Mediated Synthesis of 1, 5-Disubstituted 1, 2, 3-Triazoles, 2024, Click Chemistry, 83-112
216. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, CuAAC 'Click Chemistry'-Mediated Synthesis of 1, 4-Disubstituted 1, 2, 3-Triazoles, 2024, Click Chemistry, 43-81
217. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click Chemistry and Bioorthogonal Chemistry: General Consideration from Discovery to Applications, 2024, Click Chemistry, 1-42
218. VK Tiwari, MK Jaiswal, S Rajkhowa, SK Singh, Click Chemistry, 2024, Springer Nature Singapore
219. MS Yadav, S Rajkhowa, SK Singh, MK Jaiswal, VK Tiwari, Multicomponent Click Reaction: An Indispensable Tool for Easy Access of Functionalized 1, 2, 3-Triazoles, 2024, Chemistry Select 9 (18), e2024, 00776
220. P Bose, M Singh, A Gupta, S Kumar, FJ Ansari, VK Pandey, AS Singh, Design, synthesis, and docking study of saccharin N-triazolyl glycoconjugates, 2024, Carbohydrate Research 538 (109101), https://doi.org/10.1016/j.carres.2024, .10
221. V K Tiwari, Emerging Trends in Glycoscience, 2024, SYNTHESIS 56 (6), 887-889
222. SK Singh, S Kumar, MS Yadav, S Bhattacharya, VK Tiwari, Glycosyl Triazole-based Pyridinamide/ CuI Catalyzed Coupling of 2-Halobenzamides with Active Methylene Compounds, 2024, SYNTHESIS 56 (6), 975-988
223. N Tripathi, VK Tiwari, Synthesis and Antitubercular Evaluation of Diverse Glycosylated Ureas from D-Glucose, 2024, Journal of Chemistry 8709672 (https://doi.org/10.1155/2024, /8709672), 1-9
224. VK Tiwari, D Sarma, Thematic Issue: Emerging Aspects of Click Chemistry, 2024, Current Organic Synthesis 21 (4), 357-358
225. MS Yadav, A Gupta, AS Singh, VK Tiwari, Benzotriazole ring cleavage methodology under free radical condition: an ample opportunity in organic synthesis, 2024, Organic Radicals, 231-272
226. A Priyadarshan, G Tripathi, AK Singh, S Rajkhowa, A Kumar, VK Tiwari, Solvent-free Approaches towards the Synthesis of Therapeutically Important Heterocycles, 2024, Current Green Chemistry 11 (2), 127-147
227. MK Jaiswal, A Gupta, FA Ansari, VK Pandey, VK Tiwari, Recent Progress on Synthesis of Functionalized 1, 5-Disubstituted Triazoles, 2024, Current Organic Synthesis 21 (4), 513-558
228. R Tiwari, J Suman, DK Verma, D Kumar, S Yadav, K Parwati, R Rai, S Rai,High-performance nitrogen-polymer fertilizer: Synthesis, characterization, and application in sustainable agriculture, 2025, Chemical Engineering Journal 509, 161215
229. S Yadav, DK Verma, R Tiwari, D Kumar, K Parwati, R Rai, P Adhikary, Sodium-Ion-Conducting Alginate-Based Electrolyte Material for Energy Storage Applications, 2025, Energy Technology, 2401912
230. S Rai, PP Pande, K Kumar, A Chaudhary, T Prasad, R Tiwari, K Parwati, Emergence of ADM-mediated bioconjugate to enhance longevity and catalytic efficiency of urease, 2025, International Journal of Biological Macromolecules 296, 139629
231. S Pandey, A Kumar, K Kumar, S Krishnamoorthi, K Tungala, Fabrication, characterization and flocculation properties of starch, chitosan or cellulose based graft copolymers: A review, 2025, Bioresource Technology Reports, 102023
232. S Rai, PP Pande, K Kumar, A Chaudhary, T Prasad, R Tiwari, K Parwati, Ameliorating enzyme functionality with temperature and pH responsive polymer interface, 2025, Journal of Polymer Research 32 (1), 1
233. R Tiwari, K Parwati, DK Verma, D Kumar, S Yadav, R Rai, K Kumar, Ionic liquid supported chitosan-g-SPA as a biopolymer-based single ion conducting solid polymer electrolyte for energy storage devices, 2024, International Journal of Biological Macromolecules 280, 135872
234. R Rai, R Tiwari, DK Verma, D Kumar, S Yadav, K Parwati, Ionic Liquid-Supported Single-Sodium-Ion-Conducting Styrene-Maleic Anhydride Copolymer for Energy Storage Devices, 2024, Energy Technology 12 (11), 2400801
235. VK Kashi, NC Karmakar, S Krishnamoorthi, P Adhikary, AR Sahu, A laboratory study on application of synthesised amylopectin-grafted-polyacrylamide (AP-g-PAM) on coal mine haul road dust emission at different atmospheric temperatures, 2024, Journal of The Institution of Engineers (India): Series D 105 (1), 255-262
236. R Tiwari, D Kumar, DK Verma, S Yadav, K Parwati, P Adhikary, Phase transformation and plasmonic damping study for semi-solid ionic polymeric hydrogel system at higher temperature and low radio frequency, 2024, Hybrid Advances 5, 100165
237. R Tiwari, D Kumar, DK Verma, K Parwati, P Ranjan, R Rai, Fundamental chemical and physical properties of electrolytes in energy storage devices: A review, 2024, Journal of Energy Storage 81, 110361
238. D Kumar, R Tiwari, DK Verma, S Yadav, K Parwati, R Rai, P Adhikary, Negative capacitance based on isomeric polythiophene in action, 2024, Soft Matter 20 (38), 7578-7582
239. D Kumar, R Tiwari, DK Verma, S Yadav, K Parwati, P Adhikary, Isomeric polythiophene: a promising material for low voltage electronic devices, 2024, Soft Matter 20 (6), 1293-1300
240. K Parwati, R Tiwari, DK Verma, D Kumar, S Yadav, R Rai, S Singh, Ionic Liquid-Supported Vat Dye (Congo Red)-Based Donor–Acceptor Type Conjugated Polymeric Material as Photosensitizer for Dye-Sensitized Solar Cells, 2024, Energy Technology 12 (1), 2300598
241. V Yadav, R Kumar, S Srikrishna, V Prasad, Desulfonylative halogenation of arene sulfonyl chlorides using N-halosuccinimides: Synthesis, molecular docking, and anti-Alzheimer activity, 2025, Bioorganic & Medicinal Chemistry Letters, 130321
242. A Yadav, VK Singh, R Kumar, V Yadav, AK Kushwaha, VK Rana, A KumarRegioselective sulfenylation of indoles using sulfonyl hydrazides: In silico design, DFT calculation, hirshfeld surface analysis, ADMET study, molecular docking and anticancer ..., 2025, Journal of Molecular Structure 1329, 141346
243. V Yadav, R Kumar, M Ghosh, A Yadav, V Prasad, Metal-Free Desulfonylative and C-H Halogenation of Arenes: A Novel Approach for Haloarene Synthesis, 2025, ChemistrySelect 10 (2), e2024, 05179
244. A Yadav, R Kumar, V Yadav, M Ghosh, V Prasad, Regioselective Thiolation of Indole to Construct 3-Arylthioindoles, 2025, Current Organic Chemistry 29 (2), 108-118
245. V Yadav, R Kumar, A Gond, A Yadav, M Ghosh, RS Kuri, V Prasad, New Trends in Asymmetric Catalysis: Chiral Hypervalent Iodine Compounds as Green and Sustainable Catalysts, 2024, Sustainable Green Catalytic Processes, 397-445
246. A Yadav, A Gond, V Prasad, Synthesis of symmetrical disulfides by an NIS/PPh3-mediated reductive self-coupling of sulfonyl hydrazides, 2024, Synlett 35 (12), 1453-1457
247. A Yadav, R Kumar, V Prasad, Hypervalent Iodine Mediated Synthesis of Thiosulfonates from Sulfonyl Hydrazides and Their Transformation into Symmetrical Disulfides, 2024, Synthesis 56 (12), 1923-1931
248. N Srivastav, K Dihingia, H Patel, Y Singh, A Rai, B Maiti, P Srivastava, Improved DSSC performance with acidic extract of Euphorbia milii red flower, the effect of pH variation and DFT analysis of phytoconstituents, 2025, Next Materials 8, 100793
249. N Gupta, I Ahmed, AK Gupta, K Dihingia, B Maiti, VK Das, Lighting the Path: A Sustainable Catalyst Free Approach Toward Trifluoromethylation of Indoles, 2025, ChemistrySelect 10 (14), e2025, 01688
250. R Laxmi, Anshuman, N Gupta, Anamika, A Maurya, RP Behere, R Sharma, Fluorene and Triazine-Based Conjugated Polymer Networks with Tuned Frontier Orbital Energy Levels for Improving Organic Photocatalysis, 2024, ACS Applied Polymer Materials 6 (24), 15136-15149
251. A Vishwakarma, A Shukla, SP Sonkar, S Singh, D Mitra, R Chandra, Oxadiazole-2-thione based Co (II) complexes as antiproliferative agents: Synthesis and structural characterization, 2025, Journal of Molecular Structure 1334, 141781
252. E Kinshakova, B Torambetov, MK Bharty, A Atashov, A Rasulov, Synthesis, crystal structure and Hirshfeld surface analysis of 5-methyl-2-[(1, 3-thiazol-2-yl) sulfanyl]-1, 3, 4-thiadiazole, 2025, Structure Reports 81 (7)
253. S Gupta, A Shukla, SK Pandey, S Jha, B Zewde, A Acharya, RJ Butcher, Piperazine-Based Co (III), Ni (II), Cu (II), and Zn (II) Carbodithioate Complexes as Potential Anticancer Agent, 2025, ACS omega 10 (14), 13829-13838
254. SK Pandey, R Chaurasia, A Shukla, R Kumari, N Shekhar, A Srivastava, Exploring the synthesis, characterization, crystal structures, DFT calculation, hirshfeld surface analysis, and anticancer activity of Ni (II) complex of 1-(4-nitrobenzoyl)-4 ..., 2025, Journal of Molecular Structure 1321, 140114

255. SK Pandey, S Kumar, R Kumari, A Acharya, RJ Butcher, MK Bharty, Anticancer activity of Co (III) complex containing mixed ligand bis (5-phenyl-1, 2, 4-triazole)-3-sulfinamide and o-phen: Crystal structure, DFT, and Hirshfeld surface analysis, 2025, Journal of Molecular Structure 1319, 139432
256. R Chaurasia, A Shukla, SK Pandey, S Gupta, N Shekhar, A Acharya, Exploring the anticancer activity of 1-(2-methyl-3-furoyl)-4-phenyl-3-thiosemicarbazide and its Mn (II) complex: Synthesis, spectral, crystal structures, and Hirshfeld surface …, 2025, Journal of Molecular Structure 1319, 139426
257. P Mandal, KA Purushottam, N Shekhar, A Srivastava, S Jaiswal, Temperature-Tunable Adsorption of Methylene Blue by Poly (AAc-Co-AAm) Hydrogels: Swelling Behavior, Kinetics, and Isotherm Studies, 2025, Journal of Applied Polymer Science, e57626
258. A Singh, R Patel, S Daripa, MK Bharty, RJ Butcher, SK Hira, LB Prasad, Structural insights and in vitro and in vivo anticancer evaluation of dithiocarbamate-based metal complexes against murine lymphoma, 2025, Dalton Transactions
259. SK Pandey, S Kumar, S Singh, AK Patel, MK Gond, A Acharya, MK Bharty, Synthesis, structural characterisation, and anticancer potential of mono and dinuclear Pd (ii) complexes of N-(2-pyridyl) thiourea, 2025, Dalton Transactions 54 (3), 1139-1149
260. RN Gautam, A Shukla, S Chandra, S Kumar, A Acharya, M Singh, Anticancer evaluation of Co (III) complex derived from 1-isonicotinoyl-4-(4-nitrophenyl)-3-thiosemicarbazide: Structural characterization, photophysical, and Hirshfeld studies, 2025, Inorganic Chemistry Communications 171, 113521
261. S Chandra, S Jaiswal, A Srivastava, RN Gautam, SC Gupta, R Dulare, Anti-cancer activities based on ZnII complex of potassium 5-thiophen-2-yl-[1, 3, 4]-oxadiazole-2-thiolate: Synthesis, crystal structure, photoluminescence study and Hirshfeld …, 2024, Journal of Molecular Structure 1313, 138697
262. R Kumari, SK Pandey, AK Patel, D Kushwaha, A Acharya, MK Bharty, Exploring 2-(benzylthio)-5-(4-nitrophenyl)-1, 3, 4-oxadiazole as antiproliferative agent: Synthesis, single crystal XRD, DFT, Hirshfeld surface analysis, in vitro …, 2024, Journal of Molecular Structure 1311, 138422
263. S Jaiswal, N Rai, S Chandra, A Verma, V Gautam, M Adhikari, S Singh, Design, Synthesis, and Structural Evaluation of Metal Complexes of Azepane-1-carbodithioate for Targeting Human Breast Cancer: Investigating Cytotoxic Activity against MDA-MB …, 2024, New Journal of Chemistry
264. N Shekhar, A Kawale, A Srivastava, MK Bharty, PK Swain, Prospective Study of Different types of Valuable Biopolymers, Biosensors and Biomarkers and their future Challenges 2024, Multifunctional Inorganic Nanomaterials for Energy Applications, 325
265. MKB Ravikumar Merneedi, Mamata Singh, Exploring Untouched Variant of Bis(2-methyl-1H-indol-3- yl)methane: Enhances Chemo and Mono-Selectivity, 2024, ChemistrySelect 9 (23), e202305019
266. K Shiv, A Singh, LB Prasad, RN Gautam, MK Bharty, T Das, Comparative analysis of edible oils classification using Fourier transform infrared and fluorescence spectroscopy coupled with chemometrics, 2024, Journal of Food Composition and Analysis 129, 106056
267. RN Gautam, SP Sonkar, S Yadav, P Nath, MK Bharty, CoII-catalysed synthesis of N-(4-methoxyphenyl)-5-(pyridin-4-yl)-1, 3, 4-oxadiazol-2-amine hemihydrochloride monohydrate, 2024, Structure Reports 80 (4), 351-354
268. A Singh, R Kumar, K Shiv, SK Pandey, MK Bharty, RJ Butcher, LB Prasad, Synthesis, crystal structure and screening for anticonvulsant and antianxiety activities of three new Ni (II), Cu (II), and Zn (II) dithiocarbamate complexes, 2024, Journal of Molecular Structure 1298, 137052
269. K Shiv, A Singh, S Kumar, LB Prasad, S Gupta, MK Bharty, Evaluation of different regression models for detection of adulteration of mustard and canola oil with argemone oil using fluorescence spectroscopy coupled with chemometrics, 2024, Food Additives & Contaminants: Part A 41 (2), 105-119
270. A Singh, R Kumar, R Patel, RN Gautam, MK Bharty, LB Prasad, Dithiocarbamate-based novel anti-histaminic agents: synthesis, characterization, crystal structure and thermal study, 2024, Dalton Transactions 53 (33), 14077-14088
271. A Singh, K Shiv, R Singh, MK Bharty, PP Manna, LB Prasad, Correction: Antiproliferative activity of Ni (II), Cu (II), and Zn (II) complexes of dithiocarbamate: synthesis, structural characterization, and thermal studies, 2024, Dalton Transactions 53 (7), 3414-3414
272. A Singh, K Shiv, R Singh, MK Bharty, PP Manna, LB Prasad, Antiproliferative activity of Fe (II), Co (II), Ni (II), Cu (II), and Zn (II) complexes of dithiocarbamate: synthesis, structural characterization, and thermal studies, 2024, Dalton Transactions 53 (3), 1196-1208
273. V Jangra, H Kaur, N Kumar, U Kumar, PK Sonkar, LB Prasad, Electrochemical determination of antipsychotic drug quetiapine fumarate using hexagonal nickel oxide nanoparticle decorated functionalized multiwalled carbon nanotubes, 2025, Electrochimica Acta, 146432
274. S Kumar, S Singh, K Shiv, A Singh, P Kumar, LB Prasad, Phytotoxic impact of di-butyl phthalate (DBP) on physiological, biochemical, and oxidative stress parameters of rice (Oryza sativa), 2025, Environmental Science and Pollution Research 32 (8), 4588-4602
275. A Singh, R Patel, S Daripa, MK Bharty, RJ Butcher, SK Hira, LB PrasadStructural insights and in vitro and in vivo anticancer evaluation of dithiocarbamate-based metal complexes against murine lymphoma, 2025, Dalton Transactions
276. V Jangra, N Kumar, H Kaur, LB Prasad, PK SonkarMesoporous Carbon for Green Energy Applications, 2024, Carbon-based Nanomaterials for Green Applications, 199-224
277. R Kumar, LB Prasad, A comparative performance analysis of frequency stabilization schemes for multi-area multi-source deregulated power system, 2024, Energy Systems 15 (3), 963-991
278. Kumar, LB Prasad, Optimal load frequency control of multi-area multi-source deregulated power system with electric vehicles using teaching learning-based optimization: a comparative efficacy 2024, Electrical Engineering 106 (2), 1865-1893
279. S Rathore, K Ram, P Kumar, A Mondal, Chemical composition, source apportionment of rainwater, and its contribution to nutrient deposition at an urban site of the middle Indo-Gangetic Plain region, 2025, Atmospheric Pollution Research 16 (7), 102518
280. AK Srivastava, K Ram, DS Bisht, MP Raju, V Singh, VK Soni, Influence of meteorological variability on aerosol size distribution during the winter fog campaign over Delhi: a case study, 2025, Journal of Atmospheric and Solar-Terrestrial Physics, 106531
281. YK Vishwakarma, K Ram, MM Gogoi, T Banerjee, RS Singh, Size-segregated bioaerosols concentration and characterization under diverse microenvironments, 2025, Air Quality, Atmosphere & Health 18 (2), 521-535
282. R Singh, K Ram, Meta-analysis of polyaromatic hydrocarbons in road dust: An emerging threat in urban environment, 2024, Urban Climate 58, 102172
283. A Kumar, K Ram, Microplastics in Different Environmental Matrices: Co-Contaminants and its Monitoring Techniques, 2024, Water, Air, & Soil Pollution 235 (10), 673
284. Q Pei, X Wan, D Widory, K Ram, B Adhikary, G Wu, X Diao, H Bhattarai, Nitrogen aerosols in New Delhi, India: Speciation, formation, and sources, 2024, Atmospheric Research 304, 107343
285. YK Vishwakarma, K Ram, MM Gogoi, T Banerjee, RS Singh, Bioaerosol emissions from wastewater treatment process at urban environment and potential health impacts, 2024, Journal of Environmental Management 361, 121202
286. YK Vishwakarma, K Ram, MM Gogoi, T Banerjee, RS Singh, Size-segregated characteristics of bioaerosols during foggy and non-foggy days of winter, meteorological implications, and health risk assessment, 2024, Environmental Science: Advances 3 (8), 1163-1172
287. AS Gautam, S Kumar, S Gautam, K Singh, K Ram, D Siingh, B AmbadeRegional air quality: biomass burning impacts of SO2 emissions on air quality in the Himalayan region of Uttarakhand, India, 2024, Air Quality, Atmosphere & Health 17 (1), 1-18
288. B Jat, H Verma, SS Badsara, S Sharma, Electrochemical Synthesis of Ketones via Metal-Free Decarboxylative Coupling of Vinyl Azides and NHPI Esters, 2025, Synlett
289. B Jat, DK Yadav, SS Badsara, S Sharma, Recent advances in electrochemical utilization of NHPI esters, 2025, Organic & Biomolecular Chemistry
290. YT Chang, R Bai, YT Hsia, I Karmakar, SS Badsara, S Lee, CF Lee, Palladium-catalyzed reductive cross-coupling reaction of carboxylic acids with thiols: an alternative strategy to access thioesters, 2025, Organic & Biomolecular Chemistry 23 (18), 4487-4496
291. ZW Chen, R Bai, P Annamalai, SS Badsara, CF Lee, Zinc-Catalyzed N-Aroylation of Sulfoximines with Carboxylic Acids, 2024, Chemistry–An Asian Journal 19 (23), e2024, 00780
292. PK Jat, SS Badsara, Rapid Access to Triarylmethanes (TRAMs) Enabled by Direct Electrolysis of Indolizines with Carbonyls, 2024, The Journal of Organic Chemistry 89 (17), 12263-12276
293. K Ucheniya, PK Jat, A Chouhan, L Yadav, SS Badsara, Electrochemical selective divergent C–H chalcogenocyanation of N-heterocyclic scaffolds, 2024, Organic & Biomolecular Chemistry 22 (16), 3220-3224
294. D Singh, SP Verma, PR Prasad, Role of Biocatalysis-Biotransformations in Sustainable Chemistry, 2024, Sustainable Green Catalytic Processes, 165-182
295. SP Verma, D Singh, PR Prasad, The Novel Trends in Asymmetric Catalysis: Green and Sustainable Catalysts, 2024, Sustainable Green Catalytic Processes, 97-120
296. P Chand, A Kumar, High-fidelity detection of picric acid following proton prompted fluorescence quenching by a novel acridine yellow G-based binuclear Zn II-metallacycle, 2024, New Journal of Chemistry 48 (25), 11530-11541
297. P Gupta, K Bhatia, C Pahuja, J Pal, J Singh, MD Mukherjee, Recent advancements of paper-Based electrochemical biosensors using conductive ink-A brief overview, 2025, Materials Science in Semiconductor Processing 199, 109840
298. RK Ratnesh, RK Chauhan, R Kumar, M Afroz, J Singh, Recent Advancements of Plasmonic Sensor Technologies in Healthcare and Electronics, 2025, Journal of Molecular Structure, 142945
299. H Malviya, S Thapa, J Singh, Recent Advancements in Glycopolymer-Based Sustainable Biomaterials for Biomedical Sensing, 2025, Carbohydrate Research, 109561
300. MD Mukherjee, P Gupta, V Kumari, I Rana, D Jindal, N Sagar, J Singh, Wearable Biosensors in Modern Healthcare: Emerging Trends and Practical Applications, 2025, Talanta Open, 100486
301. S Shaktawat, SK Yadav, J Singh, Fabrication of a polypyrrole-functionalized biogenic Mg (OH) 2@ MgO immunosensor, synthesized using Graptopetalum paraguayense leaf extract, for selective and efficient, 2025, Materials Advances 6, 4286-4298
302. A Singh, S Singh, N Singh, J Singh, Electrochemical Immunosensor for C-Reactive Protein Detection Using an Optimized Bioinspired Ni-Doped Copper Ferrite Nanocomposite Interface for Cardiovascular Disease Management, 2025, ACS Applied Bio Materials 8 (6), 5078–5089
303. A Pandey, R Verma, KRB Singh, AK Singh, J Singh, A Srivastava, Electrochemical behavior of ReSe2 nanosheets for efficient determination of sodium azide for assessing environmental aspects, 2025, Inorganic Chemistry Communications, 114675
304. RK Mishra, GJ Choi, JW Ryu, HJ Jeon, S Kumar, J Singh, JS Gwag, Cu-doped SnS/Sn2S3 electrocatalyst for high-performance methanol-mediated overall water splitting, 2025, Journal of Molecular Liquids 425, 127227
305. RK Ratnesh, R Kumar, S Singh, R Chandra, J Singh, Recent advances in solar cell technology: addressing technological challenges, scenarios, and environmental implications in the development of sustainable energy solutions, 2025, New Journal of Chemistry 49, 6861-6887
306. CO Adetunji, MP Shah, YM Bello, DI Hefft, J Singh, SS Pandey, RP Singh, Book: Nanochitosan Applications for Enhanced Crop Production and Food Security, 2025, John Wiley & Sons 1, 1-448
307. K Patel, Y Abhale, SR Mishra, V Gadore, S Roy, M Ahmaruzzaman, Insights into the solar-light-driven photocatalysis of greenly synthesized CoCr2O4 nanoparticles using Azadirachta indica, 2025, Journal of Sol-Gel Science and Technology, 1-18
308. VD Ashwlayan, RK Ratnesh, D Sharma, A Sharma, A Sangal, A Saifi, A comprehensive review on plant-based medications and chemical approaches for autism spectrum disorders (ASDs) psychopharmacotherapy, 2025, Indian Journal of Microbiology 65 (1), 15-31
309. R Singh, J Singh, Recent Advances in Nanostructured Cobalt Oxide (Co3O4): Addressing Methods and Design Strategies, Challenges, and Future Directions for Non-Enzymatic Sensor Applications, 2025, Sensors and Actuators A: Physical, 116404
310. K Ahmed, P Singh, SK Yadav, RP Singh, A Kumar, SK Mishra, J Singh, Highly precise electrochemical biosensing of urea through Trigonella foenum-graecum leaf extract mediated green synthesis of titanium dioxide nanoparticles, 2025, Inorganic Chemistry Communications, 114151
311. KRB Singh, J Singh, SS Pandey, Next-generation nanobioengineered materials for micro-and nano-plastic detection, 2025, Current Opinion in Chemical Engineering, 101102
312. M Afroz, RK Ratnesh, S Srivastava, J Singh, Perovskite solar cells: Progress, challenges, and future avenues to clean energy, 2025, Solar Energy 287, 113205
313. D Singh, A Srivastava, VK Chaturvedi, J Singh, Nanostructured WS2@ Chitosan-Modified Screen-Printed Carbon Electrodes for Efficient Amperometric Detection of Histamine, 2025, ACS Omega 3, 3153–3164

314. RP Singh, SS Pandey, A Natarajan, J Singh, Self-assembled complexes: From molecules to bioderived materials for sustainable sensing technologie, 2025, Journal of Molecular Structure, 141414
315. R Pratap, AK Singh, S Rai, AK Mishra, J Singh, R Giri, A Srivastava, Investigations on structural, microstructural, dielectric and electrical conductivity of the ZnO-MWCNTs nanocomposite synthesized via sol-gel method, 2025, Oxford Open Materials Science 5 (1), itaf006
316. R Verma, SK Yadav, D Singh, J Singh, Fabrication of a mesoporous CoFe 2 O 4/rGO nanohybrid and laccase interface biosensor for rapid detection of adrenaline for neurodegenerative disease diagnosis, 2025, Materials Advances 6, 1988-2001
317. S Ghotekar, SR Mishra, V Gadore, S Roy, M Ahmaruzzaman, KRB Singh, Insights into the expeditious photocatalytic performance of greenly fabricated CeVO4 nanoparticles using Polyalthia longifolia leaf extract, 2025, Inorganic Chemistry Communications, 113665
318. M Swathika, NM Andal, S Dharani, J Singh, SS Pandey, KRB Singh, Targeted elimination of heavy metals from industrial wastewater: synergistic effect of nano metal oxides, 2025, Journal of the Taiwan Institute of Chemical Engineers 166, 105485
319. P Singh, V Nayak, R Verma, A Natarajan, J Singh, SS Pandey, KRB Singh, Comprehensive perspective of sustainable nanostructured metal and metal oxide towards agriculture utility for precision farming, 2024, Biocatalysis and Agricultural Biotechnology 62, 103457
320. S Rathee, KRB Singh, S Mallick, J Singh, SS Pandey, A Ojha, RP Singh, Smart alginate nanomaterials: Revolutionizing food across delivery, preservation, packaging, safety, and waste upcycling, 2024, Carbohydrate Polymer Technologies and Applications 8, 100568
321. S Mishra, J Singh, BK Pandey, R Dhar, Green synthesis of Oscimum Sanctum mediated silver nanoparticles to fabricate sensors for hydrogen peroxide detection, 2024, Journal of Molecular Liquids 414, 126188
322. S Rathee, R Singh, PK Paul, R Sehrawat, KRB Singh, J Singh, Modeling the Influence of Pearl Millet on High-Fiber Bread: An Investigation into Nutrition, Microstructure, Thermal Stability, Crystallinity, Rheology, and Glycemic Response, 2024, Starch-Stärke 76 (11-12), 2300098
323. KRB Singh, P Singh, J Singh, SS Pandey, Nanobioengineered Al2O3 Core–Shell Nanoparticle Preparation Using Bauhinia Variegate Plant Extract for Efficient Photocatalysis and Electrochemical Sensing, 2024, ACS Applied Bio Materials 7 (11), 7646–7658
324. MK Shukla, H Kaushik, H Tiwari, C Behera, RK Tonk, A Husain, J Singh, Development and characterization of Myrica esculenta plant extract-based albumin nanoparticles for anticancer activity, 2024, Industrial Crops and Products 218, 118815
325. A Inobeme, A Natarajan, S Pradhan, CO Adetunji, AI Ajai, J Inobeme, Chemical Sensor Technologies for Sustainable Development: Recent Advances, Classification, and Environmental Monitoring, 2024, Advanced Sensor Research, 2400066
326. RM Alsharabi, J Singh, PS Saxena, A Srivastava, Ultra-sensitive electrochemical immunosensor based on 2D vanadium diselenide (VSe2) for efficient detection of pathogens: Salmonella Typhimurium, 2024, Luminescence 39 (9), e4896
327. VK Chaturvedi, AK Singh, J Singh, DP Yadav, Book: Nanobiotechnology and Artificial Intelligence in Gastrointestinal Diseases, 2024, IOP Publishing 1, 1.1 to 12.13
328. A Taneja, P Gupta, S Thatai, P Khurana, KR Ranjan, J Singh, Microwave-Assisted Bio-derived Bismuth Oxybromide (BiOBr) Decorated Polyaniline Nanocomposite for Highly Sensitive Electrochemical Determination of Endocrine Disruptor Bisphenol-A, 2024, Journal of Molecular Structure, 139320
329. JP Prajapati, P Singh, KRB Singh, J Singh, S Mallick, RP Singh, Biogenic synthesis of Mn3O4 NPs using Phyllanthus emblica leaf extract for electrochemical sensing of urea, 2024, Journal of Molecular Structure 1307, 137918
330. A Anjum, M Kashif, J Aalam, S Iqbal, J Singh, MD Mukherjee, Synthesis and Characterization of Sustainable Polyurethane-Amide (PUA)-Organoclay Bio-Nanocomposites for Enhanced Protective Coatings, 2024, Journal of Molecular Structure, 139187
331. JP Prajapati, P Singh, KRB Singh, S Mallick, J Singh, Nonenzymatic electrochemical detection of endocrine disruptor (Bisphenol-A) based on biogenic α-Fe2O3 nano enabled interface prepared by Bluemea sinuata leaf extract, 2024, Journal of Molecular Liquids, 125289
332. R Verma, KRB Singh, R Verma, J Singh, Uricase Conjugated Nanostructured NiFe2O4/rGO Modified Flexible Screen-Printed Carbon Electrode based Interface for Long-range Electrochemical Determination of Uric Acid, 2024, Surfaces and Interfaces 49, 104406
333. A Jindal, Mainuddin, A Kumar, RK Ratnesh, J Singh, Nanotechnology driven lipid and metalloid based formulations targeting blood–brain barrier (3B) for brain tumor, 2024, Indian Journal of Microbiology, 1-28
334. RK Ratnesh, MK Singh, V Kumar, S Singh, R Chandra, M Singh, J Singh, Mango Leaves (Mangifera indica)-Derived Highly Florescent Green Graphene Quantum Dot Nanoprobes for Enhanced On–Off Dual Detection of Cholesterol and Fe2+ Ions, 2024, ACS Applied Bio Materials
335. SK Yadav, J Singh,PDY-132: F8T2 Polymer Blend Ultrafast Charge Transfer for Dipping OLED Turn-on Voltage: Consequences of Low Urbach Energy and Quicker Photoluminescence Dynamics, 2024, New Journal of Chemistry 48, 10935
336. A Kumar, VD Ashwlayan, RK Ratnesh, J Singh, M Verma, Comparative assessment of anti-ulcer effects: Hydro-ethanolic extract from air-dried ray and disc florets vs essential oil of traditional Tagetes erecta (Asteraceae) in Swiss ..., 2024, South African Journal of Botany 169, 197-209
337. D Singh, R Verma, KRB Singh, M Srivastava, RP Singh, J Singh, Biogenic synthesis of CuO/ZnO nanocomposite from Bauhinia variegate flower extract for highly sensitive electrochemical detection of vitamin B2, 2024, Biomaterials Advances, 213898
338. S Sakhtawat, SK Yadav, KRB Singh, D Kumar, J Singh, Nanostructured cadmium sulfide-modified screen-printed carbon electrode based electrochemical sensor for highly efficient quantification of chlorpyrifos pesticide in water 2024, Journal of Molecular Liquids 402, 124711
339. S Sakhtawat, D Singh, J Singh, Potentialities of Starch-Based Sensors and Biosensors for Biomedical Applications: A Comprehensive Review, 2024, Trends In Carbohydrate Research, 16 (1), 1-12
340. MK Yadav, R Kumar, RK Ratnesh, J Singh*, R Chandra, A Kumar, Revolutionizing Technology with Spintronics: Devices and Their Transformative Applications, 2024,Materials Science and Engineering: B 303, 117293
341. RK Mishra, GJ Choi, R Verma, SH Jin, R Bhardwaj, S Arya, J Singh, Revolutionizing energy evolution: SnS-Sn2S3 layered structures as exceptional electrocatalytic materials for H2 and O2 generation, 2024, Materials Science and Engineering: B 303, 117292
342. RK Mishra, GJ Choi, JW Ryu, R Verma, D Mishra, S Kumar, J Singh, Band Energy Modulation in an Fe–Mn–ZnO Nanowire–Nanosheet Catalyst for Efficient Overall Water Splitting, 2024, Energy & Fuels
343. R Anand, N Yadav, D Mudgal, S Jindal, S Sengupta, D Kumar, J Singh, Synthesis, in-silico molecular docking studies, and in-vitro antimicrobial evaluation of isatin scaffolds bearing 1, 2, 3-triazoles using click chemistry, 2024, Indian Journal of Microbiology, 1-19
344. SB Rapaka, R Markkandan, SD Bhagavathula, J Singh, R Dhanikonda, The Effect of Graphene Oxide on Optical, Ferroelectric, and Catalytic Properties of Protein-Encapsulated ZnSe Nanocomposite, 2024, ECS Journal of Solid State Science and Technology 13 (4), 041002
345. A Sharma, A K, S Kumari, K Chauhan, A James, R Goel, J Singh, Biogenic Zinc Oxide Nanoparticles: An Insight into the Advancements in Antimicrobial Resistance, 2024, ECS Journal of Solid State Science and Technology
346. RK Ratnesh, MK Singh, J Singh, Enhancing ZnO/Si heterojunction photodetector performance for ultra high responsivity across wide spectral range, 2024, Journal of Materials Science: Materials in Electronics 35 (11), 756
347. R Sharma, N Islam, A Priye, D Kumar, J Singh, M Kumar, PP Sharma, Fabrication of dual S-scheme based CuWO4/NiFe/WO3 heterojunction for visible-light-induced degradation and reduction applications, 2024, Journal of Environmental Chemical Engineering 12 (2), 112126
348. Mainuddin, A Kumar, RK Ratnesh, J Singh, S Dumoga, N Sharma, Physical characterization and bioavailability assessment of 5-fluorouracil-based nanostructured lipid carrier (NLC): In vitro drug release, Hemolysis, and permeability modulation, 2024, Medical Oncology 41 (5), 95
349. D Singh, S Shaktawat, SK Yadav, R Verma, KRB Singh, J Singh*, Chitosan-assisted self-assembly of flower-shaped ε-Fe2O3 nanoparticles on screen-printed carbon electrode for Impedimetric detection of Cd2+, Pb2+, and Hg2+ heavy metal ions in ..., 2024, International Journal of Biological Macromolecules, 130867
350. AK Singh, VK Chaturvedi, J Singh, Book: Nanoarchitectonics for Brain Drug Delivery, 2024, CRC Press 1, 1-357
351. RM Alsharabi, AK Patel, J Singh, PS Saxena, A Srivastava, In situ decorated 2D vanadium disulphide on optimized reduced graphene oxide-based interface for highly sensitive nonenzymatic glutamate detection, 2024, Materials Chemistry and Physics 314, 128890
352. D Verma, KR Ranjan, PR Solanki, J Singh*, MD Mukherjee, Aptasensors: Cutting-Edge Technologies for Bisphenol A Detection as an Endocrine Disruptor, 2024, Journal of The Electrochemical Society 171, 027520
353. S Shaktawat, R Verma, KRB Singh, J Singh*, Biogenic-magnesium oxide nanoparticles from Bauhinia variegata (Kachnar) flower extract: a sustainable electrochemical approach for vitamin-B 12 determination in real fruit ..., 2024, Sustainable Food Technology 2, 447-460
354. A Srivastava, KRB Singh, KK Ahmed, RP Singh, MD Pandey, SS Pandey, Aloe Vera Gel (Aloe barbadensis Miller) Derived Self-Assembled Flower-Shaped Carbon Quantum Dots Interface for Ultra-Sensitive Electrochemical Detection of the Endocrine ..., 2024, New Journal of Chemistry 48, 5543-5552
355. R Kumar, RK Ratnesh, J Singh, A Kumar, R Chandra, IoT-Driven Experimental Framework for Advancing Electrical Impedance Tomography, 2024, ECS Journal of Solid State Science and Technology 13, 13 027002
356. RM Alsharabi, SK Pandey, J Singh, AM Kayastha, PS Saxena, Ultra-sensitive electrochemical detection of glutamate based on reduced graphene oxide/Ni foam nanocomposite film fabricated via electrochemical exfoliation technique using ..., 2024, Microchemical Journal 119, 110055
357. G Sriramulu, R Verma, KRB Singh, P Singh, CS Chakra, S Mallick, Self-assembled Copper Oxide Nanoflakes for Highly Sensitive Electrochemical Xanthine Detection in Fish-Freshness Biosensors, 2024, Journal of Molecular Structure 1304, 137640
358. M Singh, KR Singh, AK Yadav, J Singh, PR Solanki, RP Singh, Nanotechnological Aspects for Next-Generation Wound Management, 2024, Nanotechnological Aspects for Next-Generation Wound Management
359. A Natarajan, KRB Singh, PR Solanki, J Singh, RP Singh, Introduction: an overview of nanocoatings toward medical device, 2024, Next-Generation Antimicrobial Nanocoatings for Medical Devices and Implant
360. A Srivastava, KRB Singh, P Kumar, N Garg, MD Pandey, J Singh*, Structuring biogenic carbon quantum dots integrated on biphasic La2O3/La2O2C2 heterostructure for efficient Electrocatalytic determination of endocrine disruptor Bisphenol-A, 2024, Materials Today Sustainability 25, 100652
361. PP Das, R Nagraik, A Kumar, T Upadhyay, H Lalhlenmawia, D Balram, Recent update on biomimetic sensor technology for cancer diagnosis, 2024, Talanta Open 9, 100276
362. R Verma, KRB Singh, R Verma, RP Singh, J Singh*, Nanoengineered β-MnO2/rGO Nanobeads based bioconjugates interface for Electrochemical Detection of Dopamine for Potential to Managing Neurological Diseases and Depression, 2024, New Journal of Chemistry 48, 554-568
363. A Srivastava, KRB Singh, MD Pandey, J Singh*, Structuring Biogenic Synthesis of Rare Phase LaMn2O5 Using Bauhinia Variegata (Kachnar) Flower Extract for Highly Sensitive, Long Range Electrochemical Detection of Bisphenol-A ..., 2024, Materials Advances
364. RK Mishra, HJ Choi, JW Ryu, GJ Choi, V Kumar, P Kumar, J Singh, Recent Progress in Gas Sensing based on 2D SnS2 and its Heterostructures Platforms: A Review, 2024, Sensors and Actuators A: Physical, 114860
365. R Verma, KRB Singh, R Verma, J Singh, Nanoengineered parallelogram-NiFe 2 O 4/rGO nanocomposite-based biosensing interface for highly efficient electrochemical detection of neurodegenerative disorders via dopamine ..., 2024, RSC Applied Interfaces 1, 252-267
366. V Nayak, S Patra, S Rout, AB Jena, R Sharma, KP Pattanaik, J Singh, Regulation of neuroinflammation in Alzheimer's disease via nanoparticle-loaded phytocompounds with anti-inflammatory and autophagy-inducing properties, 2024, Phytomedicine 122, 155150
367. M Singh, A Kumar, KRB Singh, J Singh, RP Singh, PR Solanki, Introduction to nanotechnological aspects in wound management, 2024, Book Chapter Published in Book: Nanotechnological Aspects for Next ...
368. P Singh, KRB Singh, AK Yadav, J Singh, PR Solanki, RP Singh, Carbon-based nanostructured materials for effective strategy in wound management, 2024, Book Chapter Published in Book: Nanotechnological Aspects for Next ...
369. P Singh, G Nagpure, KRB Singh, J Singh, RP Singh, Prospects of nanotechnological development for wound management, 2024, Book Chapter Published in Book: Nanotechnological Aspects for Next ...

370. A Natarajan, M Swathika, KRB Singh, R Verma, SS Pandey, J Singh*, Symbiotic study of N-bridged metal complexes as electrocatalysts for hydrogen evolution reaction, 2024, International Journal of Hydrogen Energy 52, 1458-1471
371. N Gautam, R Verma, R Ram, J Singh, A Sarkar, Development of a biodegradable microfluidic paper-based device for blood-plasma separation integrated with non-enzymatic electrochemical detection of ascorbic acid, 2024, Talanta 266, 125019
372. S Mahata, SR Sahoo, A Mukhopadhyay, K Kumari, S Rakshit, N Goswami, Tailoring the photoluminescence of AIE-type gold nanoclusters via biomineralization-inspired polymorphism, 2025, Nanoscale 17 (2), 823-832
373. D Bera, S Mahata, M Biswas, K Kumari, S Rakshit, Nonappa, S Ghosh, Efficient Photocatalytic Hydrogen Production Using In-Situ Polymerized Gold Nanocluster Assemblies, 2025, Small 21 (1), 2406551
374. K Kumari, AK Singh, P Mandal, S Rakshit, Crowder Chain Length Variability and Excluded Volume Effect on the Phase Separation Behavior of Mucin, 2024, The Journal of Physical Chemistry Letters 15 (42), 10505-10513
375. S Mishra, S Rakshit, N Goel, Analytical applications of europium metal-organic frameworks: A brief Overview 2024, Talanta Open 9, 100329
376. SR Sahoo, A Mukhopadhyay, S Mahata, K Kumari, NVS Praneeth, Unravelling structural insights into ligand-induced photoluminescence mechanisms of sulfur dots, 2024, Nanoscale 16 (39), 18494-18503
377. A Kumar, V Arya, A Pathak, S Trivedi, D Guin, CSP Tripathi, Enhanced Visible Light Photocatalytic Performance of CeO2@Acidified g-C3N4 Nanoheterostructures for RhB Degradation, 2025, Langmuir
378. R Kumari, A Kumar, S Dahiya, SK Srivastava, D Guin, CSP Tripathi, A highly responsive UV photodetector based on WO3-ZnO layered thin film, 2025, Optical Materials, 117205
379. R Kumari, N Chandrakar, D Choudhary, D Guin, CSP Tripathi, Photocatalytic degradation of rhodamine B and methylene blue dyes using tungsten oxide/barium titanate nanocomposite, 2025, Environmental Science and Pollution Research 32 (18), 11535-11549
380. A Kumar, M Ali, A Pathak, D Guin, CSP Tripathi, CeO2 Nanocubes as an Electrochemical Sensing Platform for Simultaneous Detection of Dopamine and Acetaminophen, 2025, Journal of The Electrochemical Society 172 (3), 037520
381. S Sharma, K Sharma, S Majhi, CSP Tripathi, D Guin, Facile synthesis of Ag NPs@ MgO nanosheets for quantitative SERS-based detection and removal of hazardous organic pollutants, 2024,Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 323, 124885
382. R Singh, M Ali, K Sharma, P Dhyani, C Goyal, CSP Tripathi, D Guin, Ultrasound-activated piezocatalytic degradation of Rhodamine B, Ofloxacin, and inactivation of E. coli by BaTiO3/CuO nanocomposites, 2024, Journal of Environmental Chemical Engineering 12 (6), 114741
383. R Singh, R Kumari, CSP Tripathi, D Guin, Copper oxide nanosheets as an effective nanozyme with haloperoxidase-like activity for the colorimetric detection of H2O2 and glucose, 2024, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 321, 124720
384. M Ali, R Singh, D Guin, CSP Tripathi, BaTiO3-MoS2 Nanocomposite as a New Peroxidase Mimic for the Colorimetric and Smartphone-Assisted Detection of H2O2, 2024, Journal of Cluster Science 35 (7), 2393-2404
385. R Kumari, A Kumar, R Tripathi, D Guin, CSP Tripathi, Fabrication of g-C3N4/WO3 Nanocomposite for Efficient Visible Light Photocatalytic Degradation of Rhodamine B and Electrochemical Sensing of 2-Nitrophenol, 2024, Catalysis Letters 154 (9), 5086-5100
386. M Ali, R Singh, R Kumari, D Guin, CSP Tripathi, Enhanced piezocatalytic degradation of mixed organic dyes using BaTiO3–MoS2 heterostructure nanocomposites: a mechanistic investigation, 2024, Materials Science in Semiconductor Processing 178, 108454
387. K Sharma, A Kumar, S Sharma, CSP Tripathi, D Guin, Covalent functionalization of graphene oxide with l-lysine for highly sensitive and selective simultaneous electrochemical detection of rifampicin and acetaminophen, 2024, Journal of Applied Electrochemistry 54 (6), 1379-1395
388. M Ali, K Sharma, D Guin, CSP Tripathi, BaTiO3/rGO nanocomposite modified glassy carbon electrode for electrochemical sensing of 4 nitrophenol and dopamine in real samples, 2024, Journal of Applied Electrochemistry 54 (6), 1349-1363
389. S Sharma, K Sharma, A Kumar, CSP Tripathi, D Guin, Fabrication of a non-enzymatic electrochemical sensor based on magnesium oxide nanosheets for selective and sensitive detection of hydrogen peroxide in food samples, 2024, Journal of Applied Electrochemistry 54 (6), 1365-1377
390. K Sharma, R Singh, S Sharma, CSP Tripathi, D Guin, Nano-engineered polyester fabric based on silver nanoparticles loaded L-lysine-grafted graphene oxide for catalytic degradation and SERS detection of industrial pollutants, 2024, Colloids and Surfaces A: Physicochemical and Engineering Aspects 686, 133332
391. M Ali, P Swami, A Kumar, D Guin, CSP Tripathi, Enhanced photocatalytic degradation of Rhodamine B using gold nanoparticles decorated on BaTiO3 with surface plasmon resonance enhancement, 2024, Analytical Sciences 40 (4), 643-654
392. A Kumar, S Sharma, CSP Tripathi, D Guin, 2-Dimensional Magnesium Oxide/Polyaniline Nanocomposite Modified Glassy Carbon Electrode for Electrochemical Detection of Dopamine and 4-Nitrophenol, 2024, ChemistrySelect 9 (9), e202304435
393. S Majhi, A Kumar, S Sharma, CSP Tripathi, D Guin, Gum Arabic-mediated synthesis of silver nanoparticles for their applications as colorimetric and SERS-based detection of hydrogen peroxide, 2024, Analytical Sciences 40 (2), 271-283
394. S Majhi, R Singh, CSP Tripathi, D Guin, In situ synthesis of carbon quantum dots@ gum Arabic-silver nanoparticles as a'turn-off–on'fluorescent sensor for rapid detection of hydrogen peroxide and mercury (ii) ions in …, 2024, New Journal of Chemistry 48 (17), 7904-7910
395. K Sharma, S Majhi, R Singh, S Sharma, P Dhyani, C Goyal, CSP Tripathi, Magnetically separable Ag@ Fe 3 O 4-GO nanocomposites for SERS detection, removal of organic pollutants and oil from water, and antibacterial applications, 2024, New Journal of Chemistry 48 (11), 5060-5067
396. HS Korawat, K Prajapati, AK Basak, Mitsunobu reaction of 1, 3-dicarbonyl compounds and subsequent Pd-catalyzed intramolecular arylation: An expedient route to tricyclic oxoisochromenes, 2025, Tetrahedron 172, 134448
397. K Prajapati, MK Saini, RG Gonnade, AK Basak, Catalytic Cycloisomerization–Oxidative Cyclization Reaction Sequence of Enyne Diesters Derived from 2-Propargyloxyarylaldehydes, 2024, Organic Letters 26 (45), 9793-9798
398. SK Verma, AK Basak, Expanding the Scope of Chemoselective Reductive Cyclization: Synthesis of Unsubstituted 9H-Thioxanthenes and 10-Methyl 9, 10-Dihydroacridines and Beyond, 2024, European Journal of Organic Chemistry, e2024, 00911
399. MK Saini, K Prajapati, AK Basak, Synthesis of Azonia Aromatic Heterocycles Bearing 6–6–6–5–6 Pentacyclic Core via Intramolecular [4+2]-Cycloaddition and Oxidative Aromatization Reaction Sequence in One Pot, 2024, The Journal of Organic Chemistry 89 (1), 68-79
400. N Ghosh, R Dey, N Das, TR Gupta, S Das Bhattacharya, R Guha, Developing digital intervention to deliver mindfulness training to improve well-being, anxiety and facets of mindfulness, 2024 INTERNATIONAL JOURNAL OF PSYCHOLOGY 59, 45-45
401. SK Pal, T Ansari, CL Yadav, N Singh, P Lama, A Indra, K Kumar, Ni (ii)-Dithiocarbamate and-diphosphine coordination complexes as pre-catalysts for electrochemical OER activity, 2025, Dalton Transactions 54 (4), 1597-1609
402. WD Anyomih, NK Oklu, E Ocansey, KK Singh, J Darkwa, BCE Makhubela, Homogenous palladium (II) pyrazolyl complexes and corresponding Pd-SILP material as catalysts for the selective hydrogenation of furfural, 2024, Biomass Conversion and Biorefinery 14 (21), 27249-27260
403. JK Yadav, B Singh, A Mishra, SK Pal, N Singh, P Lama, A Indra, K Kumar, Axial ligand-induced high electrocatalytic hydrogen evolution activity of molecular cobaloximes in homo-and heterogeneous medium, 2024, Dalton Transactions 53 (40), 16747-16758
404. A Mishra, GK Mishra, N Singh, R Kant, K Kumar, The rigidity and chelation effect of ligands on the hydrogen evolution reaction catalyzed by Ni (ii) complexes, 2024, Dalton Transactions 53 (4), 1680-1690
405. N Neha, P Ranjan, S Kumar, RS Singh, DS Pandey, P Das, Functional evaluation of novel chromon derivative compounds for recognition of G-quadruplex structure, 2024, Journal of Molecular Structure, 137890
406. AK Kushwaha, AK Srivastava, P Kumar, A Kumar, S Srikrishna, RS Singh, Lysosome Targeting Solid State NIR Emissive Donor-Acceptor Molecules: A Study on Photophysical Modulation through Architectural Distinction, 2024, New Journal of Chemistry
407. A Chaurasia, A Kumar, Removal of mercury and lead ions from water using bioinspired N3Se3 type small sized moieties, 2024, Chemical Communications 60 (72), 9841-9844
408. RK Verma, M Bairwa, KC Bharadwaj, Chemoselective Intramolecular Rauhut-Currier Reaction on a Labile Framework of Enone and Acrylamide: Tricyclohexylphosphine as a Stable and Economical Catalyst, 2024, European Journal of Organic Chemistry 27 (47), e2024, 00901
409. M Bairwa, RK Verma, KC Bharadwaj, Domino Sequence of Ketimization and Electrophilic Amination for an Inverse Aza Intramolecular Morita–Baylis–Hillman Adduct, 2024, The Journal of Organic Chemistry 89 (20), 14811-14817
410. KC Bharadwaj, Chemoselective Intramolecular Morita–Baylis–Hillman Reaction; Acrylamide and Ketone as Sluggish Reacting Partners on a Labile Framework, 2024, The Journal of Organic Chemistry 89 (2), 1073-1082
411. M Saha, A Kumar, R Vishwakarma, S Pandey, K Behera, S Trivedi, Unusual aggregation behavior of porphyrin dye tetrakis (4-sulfonatophenylporphyrin) within aqueous deep eutectic solvents, 2025, Journal of Molecular Liquids, 128039
412. J Singh, A Kumar, S Trivedi, SK Pandey, Advancements in estimating post-mortem interval in medico-legal practice: A comprehensive review, 2025, Legal Medicine, 102627
413. M Saha, FA Wani, MK Banjare, A Kumar, R Vishwakarma, K Behera, Ionic Liquids as Green Sustainable Materials in Textiles, 2025, ChemistrySelect 10 (16), e2024, 05307
414. R Vishwakarma, A Kumar, K Behera, S Trivedi, Novel and innovative ionic liquid-based electrolytes and their applications, 2025, Deep Eutectic Solvents, 199-214
415. R Vishwakarma, A Kumar, M Saha, K Behera, S Trivedi, MXene-based hybrid nanostructures for sensing application: Fundamental and state-of-art, 2025, MXenes as Emerging Modalities for Environmental and Sensing Applications …
416. A Kumar, M Saha, J Saraswat, K Behera, S Trivedi, Interaction between antidepressant drug trazodone with double-stranded DNA: Multi-spectroscopic and computational analysis, 2024, International journal of biological macromolecules 277, 134113
417. A Kumar, M Saha, R Vishwakarma, K Behera, S Trivedi, Green solvents tailored nanostructures of block copolymers and their potential applications in drug delivery, 2024, Journal of Molecular Liquids 410, 125642
418. M Saha, A Kumar, R Kanaoujiya, K Behera, S Trivedi, A comprehensive review of novel emerging electrolytes for supercapacitors: aqueous and organic electrolytes versus ionic liquid-based electrolytes, 2024, Energy & Fuels 38 (10), 8528-8552
419. B Sheokand, SR Pathak, CK Mandal, D Gupta, D Verma, K Behera, Green Corrosion Inhibition: Theory and Practices, 2024, Phytochemistry in Corrosion Science, 1-19
420. G Choudhary, J Dhariwal, M Saha, S Trivedi, MK Banjare, R Kanaoujiya, Ionic liquids: environmentally sustainable materials for energy conversion and storage applications, 2024, Environmental Science and Pollution Research 31 (7), 10296-10316
421. M Saha, A Kumar, AP Singh, V Khokhar, S Trivedi, K Behera, MXenes in photothermal therapy, 2024, MXenes as Surface-Active Advanced Materials, 525-565
422. S Banoo, Y Yadav, R Tyagi, A Manna, R Sagar, Recent efforts in the development of glycoconjugate vaccine and available treatment for tuberculosis, 2024, Bioorganic Chemistry 150, 107610
423. N Goel, S Mishra, S Garai, N Kumar, Multi-functional Cd-based metal organic frameworks for turn-off fluorescence sensing of Fe3+, 4-NP and efficient catalysis for Biginelli reaction, 2025, Journal of Molecular Structure, 143433
424. L Rana, S Bisht, M Biswas, S Garai, Copper (II) complexes of azo phenolate ligands: Synthesis, crystal structure, functional mimetic, and anticancer study, 2025, Inorganic Chemistry Communications 177, 114357
425. T Yadav, M Biswas, E Shakerzadeh, S Goswami, DK Gupta, A Modi, Theoretical investigation on the adsorption behaviour of tyramine neurotransmitter onto B12N12 nanocage, 2025, Diamond and Related Materials, 112479
426. AK Vishwkarma, T Yadav, E Shakerzadeh, S Goswami, S Garai, Nanoring interactions with bio-relevant molecule: A quantum chemical approach to C18 and B9N9 systems, 2025, Journal of Molecular Graphics and Modelling 136, 108949
427. Nitin, Kanika, T Singh, R Khan, AR Naziruddin, M Biswas, S Garai, Photoresponsive Nitric Oxide Release from Aggregation-Induced Emission-Based Ruthenium–Nitrosyl Complexes and Their Anticancer Activity through In Situ Formation of Peroxynitrite, 2025, Inorganic Chemistry 64 (15), 7364-7376
428. S Goswami, SJ Phukan, G Gupta, RK Pai, S Rana, M Roy, P Kumar, Direct Urea Fuel Cells: A Review on Roadmap, Mechanism, Bottleneck, and Future Perspective, 2025, Energy & Fuels 39 (14), 6709-6727

429. AJ Bharati, R Zende, MJ Deka, K Kalita, S Garai, M Reddy Mannem, Polyoxometalates as effective inhibitors of insulin amyloid fibrils: a promising therapeutic avenue, 2025, Journal of Biomolecular Structure and Dynamics, 1-8
430. MS Yadav, MK Jaiswal, S Kumar, SK Singh, S Garai, VK Tiwari, Substrate-Dependent Stereoselective Synthesis of Pyrrolo[3, 4-b]Pyridin-5-Ones and Pyridyl Isoindoline-1-Ones Using Bis(benzotriazol-1-yl) Ligand, 2025, Chemistry–An Asian Journal 20 (5), e2024, 01301
431. SJ Phukan, S Goswami, NK Sah, PK Gupta, A Rai, T Ghatak, C Pathak, Contemporary progress on multifarious coordination polymers for organocatalytic, sensing, and energy-mimetic applications, 2024, Materials Today Energy 46, 101703
432. T Yadav, E Shakerzadeh, S Goswami, E Tahmasebi, J Adam, S Garai, Computational insights into the adsorption of norepinephrine neurotransmitter onto B12N12 nanocage, 2024, Diamond and Related Materials 149, 111600
433. P Raja, P Velmurugan, CV Sivaram, A Sarbajna, AR Maity, S Dutta, A novel Fe (III) and 2-amino-perimidinium based hybrid material catalyzed friedel–Crafts type hydroarylation of alkynes: Scope and mechanism, 2024, Journal of Molecular Structure 1314, 138750
434. M Patra, TK Das, A Saha, T Das, A Patra, S Garai, A Nayek, UK Roy, Phenoxide coordination to Fe (III) tetraphenylporphyrin: Exploring antibacterial and electrocatalytic HER activity, 2024, Inorganica Chimica Acta 568, 122084
435. MK Jaiswal, MS Yadav, M Singh, S Garai, VK Tiwari, Silicomolybdic Acid Cluster as Biocompatible Catalyst for One-Pot Tandem Synthesis of Orthogonally Protected Glycosides, 2024, The Journal of Organic Chemistry 89 (15), 10698-10708
436. R Zende, AJ Bharati, MR Mannem, P Bhatt, S Garai, SK Upadhyay, Electrostatic interactions mediated defibrillation of β-lactoglobulin fibrils using Keggin Polyoxometalates, 2024, Colloids and Surfaces B: Biointerfaces 239, 113941
437. B Mondal, R Naskar, J Bag, S Garai, R Maity, Tetranuclear PdII Complexes Containing an Adamantane-Based Tetra-MIC Ligand: Ancillary-Ligand-Dependent Catalytic and Redox Activities, 2024, Organometallics 43 (20), 2486-2494
438. SJ Phukan, S Goswami, S Bhowmik, NK Sah, M Sharma, P Pramanik, Contemporary progress on photo-induced green hydrogen evolution: potential, challenges, and perspectives for the hydrogen energy based economy-an updated review, 2024, Fuel 361, 130654
439. K Kalita, SJ Phukan, S Garai, K Sankaranarayanan, Polyoxometalates mediated amyloid fibrillation dynamics and restoration of enzyme activity of hen egg white lysozyme treated under cold atmospheric pressure plasma, 2024, ACS omega 9 (3), 3423-3429
440. R Naskar, B Mondal, D Sengupta, A Ghosh, S Garai, R Maity, Dinuclear platinum (II) complexes with biphenyl-based bis-carbene ligands, 2024, New Journal of Chemistry 48 (23), 10762-10768
441. SK Singh, A Kumar, S Mandal, S Kushwaha, Computational investigations on Heteroleptic Dithiocarbimate–diamine-based metal complexes as photosensitizers in dye-sensitized solar cells, 2025, Computational and Theoretical Chemistry, 115322
442. S Kumar, A Kumar, A Chaudhari, S Mandal, S Kushwaha, Investigating the potential compatibility of various rhodamine derivatives in dye-sensitized solar cells using an experimental and computational approach, 2025, Optical Materials 160, 116694
443. A Kumar, A Chaudhari, S Kumar, S Kushwaha, S Mandal, Thin-Film Fabrication Techniques in Dye-Sensitized Solar Cells for Energy Harvesting, 2024, Sustainable Green Catalytic Processes, 473-519
444. A Chaudhari, A Kumar, S Kumar, S Kushwaha, Synthesis of TiO2 nanoparticles by green approach: Application as photoanode for dye-sensitized solar cells, 2024, Materials Research Bulletin 179, 112909
445. SK Singh, S Mandal, S Kushwaha, Computational Investigations on Bis-(ferrocenylmethyl)-Based Sulphur Rich Sensitizers for Dye-Sensitized Solar Cells, 2024, ChemistrySelect 9 (30), e2024, 02203
446. A Kumar, A Chaudhari, S Kumar, S Kushwaha, S Mandal, Comparative study of natural and synthetic dyes in DSSCs: An experimental and computational approach, 2024, Physica B: Condensed Matter 685, 415978
447. A Kumar, A Chaudhari, S Kumar, S Kushwaha, Biosynthesis of TiO2 nanostructures using Camellia sinensis extract (polyphenols) and investigation of their execution as photoanodes in photovoltaic device, 2024, Surfaces and Interfaces 47, 104154
448. B Nagarajan, S Kushwaha, R Elumalai, S Mandal, K Ramanujam, Novel ethynyl-pyrene substituted phenothiazine based metal free organic dyes in DSSC with 12% conversion efficiency (vol 5, pg 10289, 2017)(Retraction of Vol 5, Pg 10289, 2017), 2024, JOURNAL OF MATERIALS CHEMISTRY A 12 (10), 6146-6146
449. B Nagarajan, S Kushwaha, R Elumalai, S Mandal, K Ramanujam, Retraction: Novel ethynyl-pyrene substituted phenothiazine based metal free organic dyes in DSSC with 12% conversion efficiency, 2024, Journal of Materials Chemistry A 12 (10), 6146-6146
450. B Thakurta, S Hazra, A Samanta, A Nasir, AK Singh, D Maurya, One-Step Room Temperature Synthesis of Printable Carbon Quantum Dots Ink for Visual Encryption and High-Performance Photodetector, 2024, Advanced Optical Materials, doi.org/10.1002/adom.2024, 01886
451. C Gautam, B Thakurta, M Pal, AK Ghosh, A Giri, Wafer scale growth of single crystal two-dimensional van der Waals materials, 2024, Nanoscale 16 (12), 5941-5959
452. AK Singh, B Thakurta, A Giri, M Pal, Wafer-scale synthesis of two-dimensional ultrathin films, 2024, Chemical Communications 60 (3), 265-279
453. R Kumar, P Viswanathan, K Kim, S Manivannan, Exploring the synergistic impact of switched gold and platinum nanocatalyst layers towards methanol electrooxidation reaction, 2025, Journal of Electroanalytical Chemistry 978, 118905
454. S Kumar, P Viswanathan, M Viji, K Kim, S Manivannan, Infiltrated electroless deposition of gold nanoparticles on porous Prussian blue-Fe2O3 hetero-microstructures for environmental remediation applications: A novel infiltration …, 2024, Applied Surface Science 678, 161090
455. P Viswanathan, JW Kim, S Manivannan, K Kim, Methionine-assisted electrodeposition of porous copper cobalt bi-metallic hetero-nanostructures on an indium tin oxide electrode: a disposable and stable electrode for non …, 2024, Journal of Materials Chemistry C 12 (21), 7673-7683
456. VR Puttagunta, A Miadonye, B Singh, The model for prediction of temperature and pressure effects on viscosity of bitumens and heavy oils, 2025, WIT Transactions on Modelling and Simulation 4
457. TN Mishra, B Singh, KN Singh, GS Seth, A Ghosh, Effect of machinery management on energy requirements and yield for wheat after paddy harvesting, 2024,
458. K Tripathi, MGB Drew, G Mathew, D Jaiswal-Nagar, CJ Calzado, L Mishra, Crafting copper complexes of variable nuclearity and coordination geometry through solvent tailoring: Unveiling novel structure, magnetic insight and computational marvels, Journal of Molecular Structure, 139817

Department of Computer Science

Research Papers and Articles

1. Joshi, M., Mishra, M. K., & Karthikeyan, S. (2024b). Leveraging Grover's algorithm for quantum searchable encryption in cloud infrastructure and its application in AES resource estimation. International Journal of Theoretical Physics, 63(8), 209.
2. Joshi, M., Mishra, M. K., & Karthikeyan, S. (2025). Impact of hardware connectivity on Grover's algorithm in NISQ era. Quantum Information Processing, 24(4), 1–21.
3. Kumari, A., & Karthikeyan, S. (2025). A Comparative Analysis for Forty Years of Land Use Land Cover Change (1991--2021) Using Cart and Random Forest Classifiers for Varanasi District (India). SN Computer Science, 6(5), 521.
4. Singh, A., & Karthikeyan, S. (2025). Wrapper Feature Selection Method for Predicting Student Dropout in Higher Education. JENTIK: Jurnal Pendidikan Teknologi Informasi Dan Komunikasi, 4(1), 58–76.
5. Pandey, N., & Mishra, P. K. (2025). Conditional entropy-based hybrid DDoS detection model for IoT networks. Computers & Security, 150, 104199.
6. Srivastava, A., & Mishra, P. K. (2024). IDA: Improved dragonfly algorithm for load balanced cluster heads selection in wireless sensor networks. Peer-to-Peer Networking and Applications, 17(4), 2315-2333.
7. Sharma, A., & Mishra, P. K. (2024). Inception UNet architecture for breast tumor segmentation and detection using hybrid deep learning approach. Multimedia Tools and Applications, 1-39.
8. Pandey, N., & Mishra, P. K. (2024). Devising a hybrid approach for near real-time DDoS detection in IoT. Computers and Electrical Engineering, 118, 109448.
9. Abhay Kumar Pathak, Sukhad Kura, Shweta Singh, Lalit Kumar, Mahima Yadav, Manjari Gupta, Parimal Das, Garima Jain, Development of a robust and generalizable algorithm "gQuant" for accurate normalizer gene selection in qRT-PCR analysis, Scietific Reports, 14, 18774, August, 2024, https://doi.org/10.1038/s41598-024-66770-y, ISSN 2045-2322
10. Mrityunjay Chaube, Lalit Kumar Singh, Manjari Gupta and Pooja Singh, A Reliable People Tracking in NPP Control Room Monitoring System using Particle Filter.
11. IEEE Transactions on Reliability, IEEE, 1-15, Impact Factor 5.9, March 2025, doi: 10.1109/TR.2024.3392931, vol. 74, no. 1, ISSN 1558-1721, pp. 2041-2055
12. Praveen Kumar, Rajwant Singh Rao, Alok Mishra, Manjari Gupta, Ensemble Methods with Feature Selection and Data Balancing for Improved Code Smells Classification Performance, Engineering Applications of Artificial Intelligence, Elsevier, Vol 139, Part A, 109527, Impact Factor 7.5, January 2025, https://doi.org/10.1016/j.engappai.2024.109527, Volume 139, Part A, ISSN 1873-6769.
13. Suneel Kumar, Manoj Kumar Singh, Manoj Mishra, "DFFnet: Delay Feature Fusion Network for Efficient Content-Based Image Retrieval", Pattern Analysis and Applications, vol. 28,82 (2025): 1-19. https://doi.org/10.1007/s10044-025-01449-2, (IF : 3.9)
14. Singh, M., Singh, M.K., Content-Based Gastric Image Retrieval Using Fusion of Deep Learning Features with Dimensionality Reduction. SN COMPUT. SCI., vol. 6, 184 (2025). https://doi.org/10.1007/s42979-025-03713-y
15. Ravi Singh, Manoj Kumar Singh, "An efficient hybrid threshold for image deconvolution in expectation maximization framework", Circuits, Systems & Signal processing, 44, 1938–1982 (2025) (IF: 2.3) https://doi.org/10.1007/s00034-024-02902-z
16. Ravi Singh, Manoj Kumar Singh, "Image Deconvolution using Hybrid Threshold based on modified L1-clipped penalty in EM framework", Signal Processing, vol. 227, 1-18, 2024 (IF: 3.4)
17. https://doi.org/10.1016/j.sigpro.2024.109725
18. Ravi Singh, Manoj Kumar Singh, "Hybrid Thresholding for Image Deconvolution in Expectation Maximization framework", The Imaging Science Journal, The Royal Photo Graphic Society, 73(2), pp. 227-244. https://doi.org/10.1080/13682199.2024.2349340 (IF: 0.2), 2024.
19. Maurya, P., Kushwaha, V. (2025).DSNFyS: Deep Stacked Neuro Fuzzy System for Attack Detection and Mitigation in RPL based IoT, International Journal of Information Engineering and Electronic Business(IJIEEB), Vol.17, No.3, pp. 62-83, 2025. DOI:10.5815/ijieeb.2025.03.05
20. Biswas, A., Baranwal, G., & Kumar, A. (2024). A blockchain-based framework to resolve the oligopoly issue in cloud computing. IEEE Transactions on Cloud Computing, 12(2), 671-683.
21. Baranwal, G., Kumar, D., Biswas, A., & Yadav, R. (2024). A blockchain framework for efficient resource allocation in edge computing. IEEE Transactions on Network and Service Management, 21(4), 3956-3970.
22. Gaurav, K. K., & Baranwal, G. (2024). A blockchain-enabled private parking space allocation with improved parking space utilization. Computers & Industrial Engineering, 197, 110613.
23. Baranwal, G., & Yadav, A. (2025). Privacy-preserving candidate assessment and selection frameworks in e-recruitment system. Journal of Information Security and Applications, 90, 104043.
24. Shashvat Kumar Singh, Kumkum, Kumari, Ankita Vaish (2024), Learning and Vision-based approach for Human fall detection and classification in naturally occurring scenes using video data, ACM Transactions on Asian and Low-Resource Language Information Processing, 23(11), 157, 1-16. https://doi.org/10.1145/368712. Scopus, SCI, Impact factor: 1.471
25. Rama Singh, Saumya Patel,and Ankita Vaish (2024) A secure MSB plane compression based RDHEI technique using Huffman Ciphersystem, Journal of Electronic Imaging, 33(1), 013020. Impact factor: 1.006 (Scopus, SCIE) Quartile Q2. 33(1) https://doi.org/10.1117/1.JEI.33.1.013020
26. Sarthak, Anshul Verma, Pradeepika Verma, "An optimal three-tier prioritization-based multiflow scheduling in cloud-assisted smart healthcare", Journal of Network and Computer Applications, 238, 104143, 2025. https://doi.org/10.1016/j.jnca.2025.104143 (SCIE, SCOPUS) (IF: 7.7)
27. Bablu Kumar, Anshul Verma, Pradeepika Verma, "A multivariate transformer-based monitor-analyze-plan-execute (MAPE) autoscaling framework for dynamic resource allocation in cloud environment", Computing, 107, 69, 2025.

https://doi.org/10.1007/s00607-025-01426-x (SCIE, SCOPUS) (IF: 3.3)

28. Vandana Rani Verma, Dinesh Kumar Nishad, Vishnu Sharma, Vinay Kumar Singh, Anshul Verma, Dharti Raj Shah, "Quantum machine learning for Lyapunov-stabilized computation offloading in next-generation MEC networks" Scientific Reports, 15, 405, 2025. https://doi.org/10.1038/s41598-024-84441-w (SCIE, SCOPUS) (IF: 3.8)
29. Rahul Grover, Siddhartha Sharma, Priya Jindal, Naveen Kumar, Anshul Verma, "Trend Analysis of Rainfall for Multi-purpose Water Resources Projects using Machine Learning Predictive Model-ARIMA", SN Computer Science, 5, 1110, 2024. https://doi.org/10.1007/s42979-024-03511-y (SCOPUS)
30. Dharm Raj Singh, Manoj Kumar Singh, Sachchida Nand Chaurasia, Anshul Verma, "Genetic Algorithm Incorporating Group Theory for Solving the Euclidean Travelling Salesman Problem", SN Computer Science, 5, 1075, 2024. https://doi.org/10.1007/s42979-024-03420-0 (SCOPUS)
31. Harish Kumar, Rajesh Kumar Kaushal, Naveen Kumar, Anshul Verma, "An Analytical Study on the Efficacy of Blockchain Frameworks for Student Grievance Management", SN Computer Science, 5, 1071, 2024. https://doi.org/10.1007/s42979-024-03378-z (SCOPUS)
32. Abhineet Ranjan, Sanjeev Sharma, Prajwal Mate, Anshul Verma, "An efficient deep learning technique for driver drowsiness detection", SN Computer Science, 5(8), 988, 2024. https://doi.org/10.1007/s42979-024-03316-z (SCOPUS)
33. Kanak Kumar, Anshul Verma, Pradeepika Verma, "IoT-HGDS: Internet of Things integrated machine learning based hazardous gases detection system for smart kitchen", Internet of Things, Vol. 28, 101396, 2024. https://doi.org/10.1016/j.iot.2024.101396 (SCIE, SCOPUS) (IF: 6.0)
34. Purushottam K. Pandey, Jyoti Pruthi, Saeed Alzahrani, Anshul Verma, Benazeer Zohra, "Enhancing Healthcare Recommendation: Transfer Learning in Deep Convolutional Neural Networks for Alzheimer Disease Detection", Frontiers in Medicine, Vol. 11, 1445325, 2024. https://doi.org/10.3389/fmed.2024.1445325 (SCIE, SCOPUS) (IF: 3.1)
35. Vikas Kumar Patel, Anshul Verma, Pradeepika Verma, "Critical Analysis of Train Operation Simulators", SN Computer Science, Vol. 5, 840, 2024. https://doi.org/10.1007/s42979-024-03212-6 (SCOPUS)
36. Noamaan Abdul Azeem, Sanjeev Sharma, Anshul Verma, "Automatic Cauliflower Disease Detection using fine-tuning transfer learning approach" SN Computer Science, 5, 817, 2024. https://doi.org/10.1007/s42979-024-03185-6 (SCOPUS)
37. Bablu Kumar, Anshul Verma, Pradeepika Verma, "Optimizing resource allocation using proactive scaling with predictive models and custom resources", Computers and Electrical Engineering, Vol. 118, 109419, 2024. https://doi.org/10.1016/j.compeleceng.2024.109419 (SCIE, SCOPUS) (IF: 4.0)
38. Ngamwal Sinruwng, Yogita, Vipin Pal, Anshul Verma, "DARCVAA: A Deep Neural Networks Based Framework for Detecting Adverse Reactions of COVID-19 Vaccines and Association Analysis" SN Computer Science, Vol. 5, 622, 2024. https://doi.org/10.1007/s42979-024-02947-6 (SCOPUS)
39. Bhavana Chaurasia, Anshul Verma, Pradeepika Verma, "An in-depth and insightful exploration of failure detection in distributed systems", Computer Networks, Elsevier, Vol. 247, 110432, 2024. https://doi.org/10.1016/j.comnet.2024.110432 (SCIE, SCOPUS) (IF: 4.4)
40. P.K. Mishra, Quantum Algorithm for Enhancing Cybersecurity in Computational Intelligence in Healthcare. CRC Press.
41. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Rajkumar Buyya, Dipankar Dasgupta (Editors), "Advanced Network Technologies and Intelligent Computing: 4th International Conference, ANTIC 2024, Varanasi, India, December 19–21, 2024, Proceedings, Part-I", Springer Cham, pages 476, 2025. ISBN: 978-3-031-83783-8 (SCOPUS)
42. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Rajkumar Buyya, Dipankar Dasgupta (Editors), "Advanced Network Technologies and Intelligent Computing: 4th International Conference, ANTIC 2024, Varanasi, India, December 19–21, 2024, Proceedings, Part-II", Springer Cham, pages 476, 2025. ISBN: 978-3-031-83790-6 (SCOPUS)
43. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Rajkumar Buyya, Dipankar Dasgupta (Editors), "Advanced Network Technologies and Intelligent Computing: 4th International Conference, ANTIC 2024, Varanasi, India, December 19–21, 2024, Proceedings, Part-III", Springer Cham, pages 489, 2025. ISBN: 978-3-031-83793-7 (SCOPUS)
44. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Rajkumar Buyya, Dipankar Dasgupta (Editors), "Advanced Network Technologies and Intelligent Computing: 4th International Conference, ANTIC 2024, Varanasi, India, December 19–21, 2024, Proceedings, Part-IV", Springer Cham, pages 378, 2025. ISBN: 978-3-031-83796-8 (SCOPUS)
45. Yousef Farhaoui, Bharat Bhushan, Nidhi Sindhwani, Rohit Anand, Agbotiname Lucky Imoize, Anshul Verma (Editors), "Internet of Things and Big Data Analytics for a Green Environment", CRC Press (Chapman and Hall), pages 358, 2024. ISBN: 9781032649825
46. Anshul Verma, Pradeepika Verma (Editors), "Research Advances in Intelligent Computing", CRC Press (Taylor and Francis), Volume 2, pages 328, 2024. ISBN: 9781032561165(SCOPUS)
47. Anshul Verma, Pradeepika Verma (Editors), "Research Advances in Network Technologies", CRC Press (Taylor and Francis), Volume 2, pages 312, 2024. ISBN: 9781032561196
48. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Sanjay Kumar Dhurandher, Isaac Woungang (Editors), "Advanced Network Technologies and Intelligent Computing: Third International Conference, ANTIC 2023, Varanasi, India, December 20-22, 2023, Proceedings, Part I", Springer Cham, pages 402, 2024. ISBN: 9783031640759 (SCOPUS)
49. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Sanjay Kumar Dhurandher, Isaac Woungang (Editors), "Advanced Network Technologies and Intelligent Computing: Third International Conference, ANTIC 2023, Varanasi, India, December 20-22, 2023, Proceedings, Part II", Springer Cham, pages 372, 2024. ISBN: 9783031640636 (SCOPUS)
50. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Sanjay Kumar Dhurandher, Isaac Woungang (Editors), "Advanced Network Technologies and Intelligent Computing: Third International Conference, ANTIC 2023, Varanasi, India, December 20-22, 2023, Proceedings, Part III", Springer Cham, pages 398, 2024. ISBN: 9783031640698 (SCOPUS)
51. Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Sanjay Kumar Dhurandher, Isaac Woungang (Editors), "Advanced Network Technologies and Intelligent Computing: Third International Conference, ANTIC 2023, Varanasi, India, December 20-22, 2023, Proceedings, Part IV", Springer Cham, pages 382, 2024. ISBN: 9783031640667 (SCOPUS)

Books and Book Chapters

1. Kumar, S.,& Mishra, P. K. (2025). Preprocessing in Colorectal Cancer Histopathology: A Prerequisite for Effective Computational Analysis. In Research Advances in Intelligent Computing (Vol. 3). CRC Press, Taylor & Francis Group.
2. Ashutosh Bajpai, Varada Gupta, Anshul Verma, Prahant Singh Rana, "Extractive and abstractive text summarization of legal documents using machine learning approaches", Intelligent Computing and Communication Techniques, CRC Press, pp. 600-606, 2025. ISBN: 9781003530190
3. Yuvraj Nahar, Varada Gupta, Anshul Verma, Prashant Singh Rana, "GPT-driven autonomous driving: Innovative trajectory planning", Intelligent Computing and Communication Techniques, CRC Press, pp. 546-552, 2025. ISBN: 9781003530190

Department of Geology

Research Papers and Articles

1. Abebe, Solomon Rebso, Rajagopal Krishnamurthi, and Ajit Kumar Sahoo. "Mineralogy and Hydrothermal Alteration of Rocks Associated With Gold Mineralization in Akobo Greenstone Belt, Southwestern Ethiopia." Resource Geology 75.1 (2025): e70004.
2. Ahmed, A., et al. "Prediction of tunnel ground deformation–A case study from Western Himalaya, India." Results in Earth Sciences 3 (2025): 100052.
3. Ai, Hanbing, et al. "Horizontal loop electromagnetic data inversion through novel metaheuristics and its applications to ore deposit explorations." Geophysical Prospecting 73.5 (2025): 1566-1586.
4. Akpataku, KossitseVenyo, et al. "Assessment of nitrate sources and denitrification potential using chemical, multi-isotopic, and Bayesian mixing model approaches in the Plateaux Region of Togo, West Africa." Journal of Environmental Chemical Engineering (2025): 117170.
5. Amundson, Russell H., et al. "Systems and methods for automated digital image content extraction and analysis." U.S. Patent No. 11,869,189. 9 Jan. 2024.
6. Ashchepkov, Igor V., et al. "Geochemistry and petrology of deep seated mantle magmas and their mantle xenoliths and xenocrysts: Applications to the structure and compositions of mantle lithosphere." Geosystems and Geoenvironment (2025): 100388.
7. Ashutosh, Ankur, et al. "Petrogenetic and geochemical constraints on ca. 1.89–1.88 Ga Bastanar mafic dyke swarm, Bastar craton, India: Insights into MORB-and OIB-type contributions and interactions with metasomatized subcontinental lithospheric mantle." Geosystems and Geoenvironment 3.4 (2024): 100267.
8. Ashutosh, Ankur, et al. "U-Pb ID-TIMS baddeleyite age and geochemistry of the newly identified ca. 1.94 Ga magmatic event in the Central-Western Bastar craton." Lithos (2025): 108183.
9. Azad, Md Alquamar, et al. "Empirical and numerical hill slope health evaluation at Malling Nala, NH-505, Himachal Pradesh, India." International Journal of Geo-Engineering 16.1 (2025): 1-29.
10. Balkaya, Çağlayan, et al. "Fault structure reconstruction from magnetic anomalies using an improved backtracking search optimization algorithm." Earth and Space Science 11.5 (2024): e2023EA003082.
11. Behera, Ramesh Chandra, et al. "Trace elemental systematics of auriferous sulfides within the dolerites of northern Cuddapah Basin, southern India: Implications for invisible gold mineralization." Ore Geology Reviews (2025): 106569.
12. Bezzeghoud, Mourad, et al. "Recent Research on Geotechnical Engineering, Remote Sensing, Geophysics and Earthquake Seismology." Proceedings of the 2nd MedGU 3 (2022): 1.
13. Bhargava, Om N., et al. "Contributions to the Proterozoic–Phanerozoic successions in the Himalaya: Status report 2020-2024." Proceedings of the Indian National Science Academy 90.2 (2024): 304-318.
14. Bhatawdekar, Ramesh Murlidhar, et al. "Towards sustainable sand resource management-Best governance practices and alternatives to river sand in India." Environmental Science and Pollution Research 32.21 (2025): 12551-12578.
15. Bhunia, Sudipa, et al. "Geochronological and Sr-Pb-CO isotope constraints on the genesis of carbonatites from the polychronousMundwara alkaline complex (north western India)." Lithos (2025): 108194.
16. Bhunia, Sudipa, et al. "Petrology of ijolite xenoliths entrained in a nephelinite dyke from the Kamthai area, Late Cretaceous polychronousSarnu-Dandali alkaline complex, North-West India: Evidence for recurrent magmatic pulses and magma mixing." Geosystems and Geoenvironment 3.4 (2024): 100248.
17. Chalapathi Rao, N. V. "Women in geosciences: an Indian perspective." Current Science (00113891) 127.10 (2024).
18. Chatterjee, S. Roy, et al. "Performance Analysis of LSTM in Channel Quality Prediction." 2024 IEEE Calcutta Conference (CALCON). IEEE, 2024.
19. Chaubey, Monika, et al. "Formation of the associating high-Al and high-Cr chromitites in the Nagaland-Manipur Ophiolites in northeast India." International Geology Review 67.2 (2025): 210-232.
20. Chaurasia, Chandni, et al. "Tectonic evolution of the Higher Himalayan Crystalline Sequence, Dhauliganga valley, Garhwal Himalaya: Insights from P–T conditions of metamorphism and partial melting." Journal of Asian Earth Sciences 265 (2024): 106108.
21. Chenchouni, Haroun, et al. Recent Advancements from Aquifers to Skies in Hydrogeology, Geoecology, and Atmospheric Sciences. Springer Nature Switzerland, 2024.
22. Dar, Shamim A., et al. "Geochemical and CO isotopic study of~ 2-1.9 Ga phosphate-bearing marine sedimentary rocks of the Sonrai Formation, Bijawar Group, Lalitpur district, UP, India: Implications for paleoredox, paleoclimate, and paleosalinity." Geosystems and Geoenvironment 4.1 (2025): 100324.
23. Dar, Shamim A., et al. "Phosphorite deposits: A promising unconventional resource for rare earth elements (REEs)." Geoscience Frontiers (2025): 102044.
24. Datta, Srinjoy, et al. "Insights into the magma dynamics of the multi-pulsed ca. 2.08 Ga Devarabanda dyke swarm, eastern Dharwar craton: Constraints from integrated geochemical, magnetic fabric and emplacement studies." Precambrian Research 411 (2024): 107507.
25. Dhar, Archisman, et al. "Development of oxy-symplectites in a slow-spreading lower oceanic crust: Insights from the Atlantis Bank Gabbro Massif, Southwest Indian Ridge." American Mineralogist 110.5 (2025): 776-790.
26. Dubey, Jyotsna, et al. "Vegetation diversity in response to monsoonal variability in the Eastern Himalaya, India over the past~ 13 000 yrs." The Holocene 34.7 (2024): 921-940.

27. George, Bivin G., et al. "Geochronology of the Vindhyan Supergroup: Implications for the closure of the Proterozoic basins of India." Precambrian Research 422 (2025): 107790.
28. Ghaznavi, Asma A., B. P. Singh, and Mohammad Masroor Alam. "Lithofacies architecture of Middle-Upper Jurassic succession of the Ler Dome, Kachchh, western India: implications for depositional environments and palaeogeography." (2024).
29. Gupta, Dev Sen, et al. "Integrated assessment of the hydrogeochemical and human risks of fluoride and nitrate in groundwater using the RS-GIS tool: case study of the marginal Ganga alluvial plain, India." Water 16.24 (2024): 3683.
30. Gupta, Rashmi, et al. "Neoproterozoic crustal evolution of indo-australo-Antarctic suture domain and gamburtsev subglacial mountains, east Antarctica: insights from offshore sediments." Gondwana Research 134 (2024): 262-284.
31. Hazra, Bodhisatwa, et al. "Application of Optical-electron Correlative Microscopy for Characterization of Organic Matter." Journal of the Geological Society of India 100.10 (2024): 1385-1394.
32. Joshi, Mallickarjun, et al. "P–T Evolution of Paleoproterozoic DangoliPelitic Gneisses, Baijnath Klippe, NW Himalaya: Insights From the Geochemistry and Zircon U–Pb Geochronology." Island Arc 34.1 (2025): e70008.
33. Kainthola, Ashutosh, et al. "Efficiency of Classification Algorithms for Prediction of Rock Mass ÖNORM B Class in Himalayan Tunnelling." Indian Geotechnical Journal (2025): 1-18.
34. Kainthola, Ashutosh, et al. "Evolution and trend of landslide research in India based on a decade long publication record." Discover Geoscience 3.1 (2025): 4.
35. Kainthola, Ashutosh, et al. "Role of feature importance in geomechanical classification of rock slopes." Deep Resources Engineering 2.1 (2025): 100165.
36. Kainthola, Ashutosh, Vishnu Himanshu Ratnam Pandey, and T. N. Singh. "Slime Mould Algorithm Enhanced Gradient Boosting Regressor for Prediction of Slope Stability." International Conference on Geotechnical Issues in Energy, Infrastructure and Disaster Management. Singapore: Springer Nature Singapore, 2024.
37. Kanhaiya, S., et al. "Regolith profiles developed from a granitic parent rock in a sub-humid climate: implications for pedogenesis and chemical mobility of elements." Journal of Sedimentary Environments 9.1 (2024): 63-79.
38. Karim, Nozmul, et al. "Permian-Triassic Fossil Parks of Kashmir Himalaya, India: Geological and Paleontological Characterization, and Potential Interest for Geotourism." Geoheritage 17.1 (2025): 10.
39. Karim, Nozmul, Shamim A. Dar, and H. Wani. "Mineralogical and petrological characteristics of the Permian–Triassic boundary (PTB) section, Guryul Ravine, Kashmir Himalaya, India: emphasizing on paleoenvironmental conditions at PTB." Carbonates and Evaporites 40.3 (2025): 103.
40. Khan, Imran, et al. "Advanced Bivariate Geostatistical modeling for high-resolution landslide susceptibility zonation for effective risk management in the Northwestern Himalaya, India." Earth Systems and Environment (2024): 1-28.
41. Khan, Imran, et al. "Comparative landslide susceptibility assessment using information value and frequency ratio bivariate statistical methods: a case study from Northwestern Himalayas, Jammu and Kashmir, India." Arabian Journal of Geosciences 17.8 (2024): 231.
42. Khan, Imran, et al. "Integrating FR, MFR and IV Models for Landslide Susceptibility Zonation Mapping in Joshimath Watershed, Uttarakhand, India." Iranian Journal of Science and Technology, Transactions of Civil Engineering (2024): 1-25.
43. Khan, Imran, et al. "Unravelling the impact of landslide inventory on landslide susceptibility in the Indian Himalaya." Physics and Chemistry of the Earth, Parts A/B/C 139 (2025): 103930.
44. Khan, Imran, Harish Bahuguna, and Ashutosh Kainthola. "Regional landslide susceptibility zonation utilizing bivariate statistical techniques in the northwestern Himalayas, Jammu and Kashmir, India." Journal of Earth System Science 133.3 (2024): 157.
45. Koley, Manojit, et al. "Origin and evolution of ferrogabbro-anorthosite suite of rocks from the Neoproterozoic Koraput alkaline complex, India: Implication for the Rodinia breakup." Lithos (2025): 108111.
46. KUMAR, ALOK, et al. "A petrological approach to understand the signatures of palaeowildfire activities during the formation of Permian coal: A case study of Bastacolla Mine, Jharia Coalfield, India." Journal of the Palaeontological Society of India: 05529360251338459.
47. Kumar, Alok, et al. "Investigation of the interference between organic and mineral matter in coal and carbonaceous shale using FTIR spectroscopy." International Journal of Coal Preparation and Utilization (2024): 1-23.
48. Kumar, Alok, et al. "Mineralogical compositions and distributions of trace and rare earth elements in Eocene carbonaceous sediments of Western India: Implications for paleoenvironment during peat accumulation." Environmental Earth Sciences 83.23 (2024): 649.
49. Kumar, Aniruddha, et al. "Beneficiation of High Sulfur Tertiary Coal of Assam with Burkholderia sp. GR 8-02. An Eco-Friendly Approach Toward Clean Coal Production." Geomicrobiology Journal 41.10 (2024): 996-1007.
50. KUMAR, KRISHNA, et al. "Pyconodont fishes from the Eocene of Jaisalmer Basin, Rajasthan, Western India." Journal of the Palaeontological Society of India (2025): 05529360251338355.
51. Kumar, Mohit, et al. "Sediment-associated microplastics in Chilika lake, India: Highlighting their prevalence, polymer types, possible sources, and ecological risks." Science of the Total Environment 914 (2024): 169707.
52. Kumar, Neeraj, et al. "Spatial distribution, environmental contamination and health risk assessment of metals in surface soils of Lesser Himalaya, Jammu and Kashmir, India." Journal of Sedimentary Environments 10.1 (2025): 143-158.
53. Kumar, Neeraj, et al. "Spatial distribution, environmental contamination and health risk assessment of metals in surface soils of Lesser Himalaya, Jammu and Kashmir, India." Journal of Sedimentary Environments 10.1 (2025): 143-158.
54. Kumar, Om Prakash, et al. "Petrographic and geochemical analysis of Barmer Basin Paleogene lignite deposits: Insights into depositional environment and paleo-climate." Journal of Geochemical Exploration 256 (2024): 107335.
55. Kumar, Prashant, et al. "Delineation of groundwater potential zones and its extent of contamination from the hard rock aquifers in west-Bengal, India." Environmental Research 249 (2024): 118332.
56. Kumar, Prashant, et al. "Spatio-temporal assessment of soil salinization utilizing remote sensing derivatives, and prediction modeling: Implications for sustainable development." Geoscience Frontiers 15.6 (2024): 101881.
57. Mahanta, Bikash, et al. "Geochemistry, Monazite (U–Pb–Th) Geochronology, and P-T Pseudosection Modelling of Two-Pyroxene Mafic Granulite from Sonapahar, Shillong Meghalaya Gneissic Complex, India: Implication for Tectono-Metamorphic Evolution and Global Pan-African Correlation." Geochemistry International 62.6 (2024): 574-608.
58. Mahanta, Bikash, et al. "Metamorphic PT evolution and tectonic implications of UHT metamorphism from the Shillong Meghalaya Gneissic Complex, India: evidence from phase equilibria modelling, monazite U-Pb-Th geochronology, K-Ar dating and geochemistry." Geological Magazine 161 (2024): e25.
59. Mahanta, Bikash, et al. "Ultrahigh-temperature granulites from the Shillong-Meghalaya Gneissic Complex, NE India: Implications for the Indo-Antarctic Correlation." Journal of Asian Earth Sciences 279 (2025): 106461.
60. Maity, Sayan, and Sayandeep Banerjee. "Stages of Shear Zone Evolution in AN Isotropic Medium: AN Account of Fluid Induced Rheological Transformation in~ 2.6 GA Bundelkhand Granitoids of India." AGU Fall Meeting Abstracts. Vol. 2024. No. 3412. 2024.
61. MedGU. Annual Meeting. Recent Research on Environmental Earth Sciences, Geomorphology, Soil Science and Paleoenvironments: Proceedings of the 2nd MedGU, Marrakesh 2022. Springer, 2024.
62. Mishra, Parashar, et al. "Conceptual modelling on water-rock reaction and genesis of high pH fluids in a typical granitoid geothermal reservoir: A case from Indus-Tsangpo Suture Zone, India." Physics and Chemistry of the Earth, Parts A/B/C 136 (2024): 103736.
63. Mishra, Parashar, et al. "REMOVED: Tracing the evolution of shallow geothermal springs in the Shyok– Nubra Valley of North-West Himalayas, India through hydrogeochemistry and stable isotopes (δ18O, δD)." Solid Earth Sciences 9.2 (2024): 100175.
64. Mishra, Priyanka, et al. "Sources of ore-forming fluid related to uranium mineralization in the Jahaz deposit, North Delhi Fold Belt, India: Inferences from carbon and oxygen isotopic studies." Journal of Geointerface 3.2 (2024): 71-78.
65. Mishra, Priyanka, et al. "Uranium enrichment in altered metasedimentary rocks of Jahaz uranium deposit, North Delhi Fold Belt, Rajasthan, India: Inferences from whole-rock geochemical studies." Applied Geochemistry (2025): 106476.
66. Mondal, Riya, et al. "Integrated geophysical and geological prospecting for magnetite in the ilmenite-bearing gabbroic rock of Purulia, West Bengal, India." Ore and Energy Resource Geology 18 (2025): 100088.
67. Mukherjee, Kunal, et al. "Synchronous Cretaceous magmatism and migmatization in the Lohit and Dibang Valley, Easternmost Himalaya." Journal of the Geological Society (2025): jgs2024-217.
68. Mukherjee, Sneha, E. A. Resmi, and N. V. Chalapathi Rao. "Report on the "National Conference on Women in Geosciences: Opportunities, Challenges and Accomplishments",(2-4 September, 2024) National Centre for Earth Science Studies, MoES, Thiruvananthapuram." Journal of the Geological Society of India 100.11 (2024): 1632-1635.
69. Murthy, Srikanta, et al. "Palynofloral and geochemical evidence for Permian-Triassic transition from Talcher Coalfield, Son-Mahanadi Basin, India: Insights into age, palaeovegetation, palaeoclimate and palaeowildfire." Geoscience Frontiers (2025): 102086.
70. Naik, A. S., et al. "Maturity Parameter of Carbonaceous and Coaly Matter Revealed through Raman Spectroscopy." Journal of the Geological Society of India 100.1 (2024): 26-34.
71. Nath, Anindita, et al. "Prioritizing flood drivers: an AHP-based study of physical factors in Digha's coastal belt, East Coast, India." Spatial Information Research 33.2 (2025): 12.
72. Pandey, Ashutosh, et al. "Petrology and Geochemistry of a Calc-alkaline Lamprophyre-Diorite Dyke from Dancherla Area, in the Vicinity of Wajrakarur Kimberlite Field, Eastern Dharwar Craton." Journal of the Geological Society of India 101.3 (2025): 350-365.
73. Pandey, Rohit, et al. "Alkaline rocks and their economic and geodynamic significance through geological time." Geological Society, London, Special Publications 551.1 (2025): SP551-2025.
74. Pandey, Rohit, et al. "Multi-stage enrichment in the mantle source region of cratonic lamproites: Geochemical and Sr-Nd-Hf-Os isotopic insights from the Mesoproterozoic lamproites of Bastar Craton, India." Precambrian Research 418 (2025): 107676.
75. Pandey, Vishnu Himanshu Ratnam, et al. "3D stochastic simulation of rockfall mechanism and mitigation in the Batseri zone." Geotechnical and Geological Engineering 43.1 (2025): 34.
76. Pandey, Vishnu Himanshu Ratnam, et al. "Field data driven rockfall hazard and risk assessment along Sangla-Chitkul road, Himachal Pradesh, India." Bulletin of Engineering Geology and the Environment 84.6 (2025): 329.
77. Pandit, Dinesh. "Characterization of Sulphide Ore Minerals Using Combined Laser Raman with Scanning Near-field Optical Microscopy (SNOM)." Journal of Scientific Research 68.3 (2024).
78. Pant, N. C., et al. "Recent Indian contribution in the realms of polar studies." Proceedings of the Indian National Science Academy 90.2 (2024): 426-441.
79. Pant, Neeraj, et al. "Rejuvenation of the Springs in the Hindu Kush Himalayas Through Transdisciplinary Approaches—A Review." Water 16.24 (2024): 3675.
80. Patel, Abhinav, et al. "Refining aquifer heterogeneity and understanding groundwater recharge sources in an intensively exploited agrarian dominated region of the Ganga Plain." Geoscience Frontiers 15.4 (2024): 101808.
81. Patel, Shubham, et al. "Magmatic evolution of the Paleoproterozoic A2-type granite along the northern Indian margin: insights from geochemistry and U-Pb geochronology of Baijnath Klippe, NW Himalaya." Geological Magazine 162 (2025): e5.
82. Patel, Sunil Kumar, et al. "Flood modeling using GIS-based analytical hierarchy process in Gandak river basin of Indian territory." Natural Hazards (2025): 1-43.
83. Pathak, Bijendra, and U. K. Shukla. "Sedimentation model for the Pinjor formation of the upper Siwalik, Dehradun sub-basin, Garhwal Himalaya, India: a response of Climate and Tectonics." The Role of Tropics in Climate Change. Elsevier, 2024. 289-310.
84. Pattnaik, Jiten, et al. "Arc-related Alaskan type magmatism: evidence from pyroxenites associated with the Pakkanadu alkaline-ultramafic complex, Southern India." Frontiers in Earth Science 12 (2024): 1253632.
85. Prakash, Divya, et al. "Phase equilibria modelling, fluid inclusion study, and U-Pb zircon dating of ultra-high temperature mafic granulites from Rampur domain, Eastern Ghats province: implications for the Indo-Antarctic

correlation." Contributions to Mineralogy and Petrology 180.3 (2025): 1-23.
86. Quasim, M. A., et al. "Bhojunda Stromatolite Park (Rajasthan, NW India): a Window to Early Life and a Cry for Geoconservation." Geoheritage 16.3 (2024): 72.
87. Rai, N. K., et al. "Investigation on Landslide Characteristics of 2018 Rainfall Triggered Landslide in Idukki District, Kerala." International Conference on Geotechnical Issues in Energy, Infrastructure and Disaster Management. Singapore: Springer Nature Singapore, 2024.
88. Rai, Shweta, Asha Lata Singh, and Prakash K. Singh. "Demineralization of Coal from Johilla Coalfield using Neutrophilic Native Bacteria: A Novel Technique to obtain REE from Coal." Journal of the Geological Society of India 100.4 (2024): 486-494.
89. Rajak, Pramod K., et al. "Geochemical and mineralogical assessment of environmentally sensitive elements in Neyveli lignite deposits, Cauvery Basin, India." Environmental Geochemistry and Health 46.11 (2024): 431.
90. Raju, Ashwani, et al. "Declining groundwater and its impacts along Ganga riverfronts using combined Sentinel-1, GRACE, water levels, and rainfall data." Science of The Total Environment 920 (2024): 170932.
91. Raju, Ashwani, et al. "Geomorphological and Mineralogical Analysis of the Lunar Robertson Crater." Advances in Space Research (2025).
92. Raju, Ashwani, et al. "Machine learning approach for detection of land subsidence induced by underground coal fire using multi-sensor satellite data." Georisk: Assessment and Management of Risk for Engineered Systems and Geohazards 19.2 (2025): 285-306.
93. Rao, NV Chalapathi, and G. Parthasarathy. "Recent Studies on Volcanic Materials and Chemistry of the Earth's Interior-An Indian Perspective." Journal of the Geological Society of India 100.2 (2024): 159-167.
94. Rawat, Devendra S., et al. "Assessment of discontinuity related instability potential in a surge pool cavern: kinematic and distinct element approach." Discover Geoscience 2.1 (2024): 12.
95. Rimal, Rabin, et al. "Association of landslides with geological structures and rainfall: a case study of two landslides in Sunkuda, Nepal." Natural Hazards 121.10 (2025): 11423-11442.
96. Sahoo, Ashrumochan, et al. "Indicator Mineral Chemistry of P-17 Kimberlite, Wajrakarur Field, Eastern Dharwar Craton, Southern India: Implications for Diamond Prospectivity." Journal Of The Geological Society Of India 101.5 (2025): 634-646.
97. Saikia, Bhaskar J., et al. "Mineral chemistry of Mahadevpur H4/5 chondrite: characterization of nanodiamonds through micro-Raman spectroscopic studies." Current Science 126.5 (2024): 574-582.
98. Samal, Amiya K., et al. "Petrogenesis of Paleoproterozoic Khalari Hornblende-Pyroxenite Intrusion Within the Dongargarh Supergroup, Bastar Craton: Insights From Petrological and Geochemical Studies." Geological Journal 60.3 (2025): 737-761.
99. Sarkar, Debaleena, et al. "Mineral chemistry-perspective of the Kadavur gabbro-anorthosite Complex, Southern Granulite Terrane of the Indian shield: Implications to its petrogenesis in a ridge-subduction setting." Lithos 494 (2025): 107880.
100. Sarkar, Soumendu, et al. "Extreme enriched-mantle (EM) compositions recorded by the Sr-Nd-Hf isotopes of global cratonic lamproites." Geochimica et Cosmochimica Acta 394 (2025): 220-243.
101. Sati, Manju, et al. "Gold Mineralization at Paramanahalli Prospect, Chitradurga Greenstone Belt, Western Dharwar Craton, Karnataka, India." Journal of the Geological Society of India 101.3 (2025): 397-405.
102. Sati, Manju, et al. "Mineralogy, hydrothermal alteration and paragenesis of gold mineralization at Paramanahalli prospect, Chitradurga Greenstone Belt, Western Dharwar Craton, India." Ore Geology Reviews 176 (2025): 106398.
103. Schaffner, I. Richard, et al. "Enhanced bioremediation pilot study of a Cr (VI)-impacted overburden groundwater system in Kanpur, Uttar Pradesh, India." (2024).
104. Sheikh, Nawaz Ali, et al. "Glacier sensitivity to climate variability since MIS-2: Insights from monsoon dominated north-eastern Himalaya." Geografia Fisica e DinamicaQuaternaria 47.1 (2024): 161-173.
105. Shukla, Arvind, et al. "Substantial invasion of antarctic intermediate water into the Arabian Sea during younger Dryas and heinrich stadials." Quaternary Science Reviews 349 (2025): 109115.
106. Shukla, Garima, et al. "Late-stage Deccan eruption from multiple shallow magma chambers through vertical flow along fissures: Insights from magnetic fabric analysis of the Pachmarhi dyke swarm." Physics of the Earth and Planetary Interiors 357 (2024): 107285.
107. Singh, Akanksha, et al. "Geochemistry of PalaeoproterozoicKajrahat Limestone, Vindhyan Supergroup, central India: insights into depositional conditions and sources of rare earth elements." Carbonates and Evaporites 39.2 (2024): 30.
108. Singh, Ankita A., et al. "Garnet-Staurolite-Mica Schist from Southern Sonbhadra District, UP: Constraints from Geothermobarometry and PT Pseudosection Modelling." Journal of the Geological Society of India 100.4 (2024): 523-530.
109. Singh, Ankita A., et al. "Mineral Chemistry and IMA Nomenclature of Amphibole Minerals of Amphibolite Sills from Chhotanagpur Granite Gneiss Complex (CGGC), Southern Sonbhadra, Central India." Journal of the Geological Society of India 100.5 (2024): 674-682.
110. Singh, Arun Deo, and P. Divakar Naidu. "Recent advancements in marine micropaleontological and paleoceanographic research from India." Proceedings of the Indian National Science Academy 90.2 (2024): 403-414.
111. Singh, B. P., and Aditi Mishra. "India-Ladakh arc collision during Early Eocene (~ 55 Ma): evidence from the Shimla hills, India." Current Science (00113891) 128.2 (2025).
112. Singh, Harshit, and Arun Deo Singh. "New insights into the surface-ocean dynamics of the Northeastern Atlantic Ocean across the Marine Isotope Stage 7." Paleoceanography and Paleoclimatology 39.5 (2024): e2023PA004722.
113. Singh, Pradyumna, et al. "Changes in the upper water-column structure of the eastern equatorial Indian Ocean during 12.8–4.7 ka." Quaternary International 743 (2025): 109917.
114. Singh, Praveen Chandra, and Divya Prakash. "Phase equilibria constraints on the stability of garnet in mafic granulite: An example from Karimnagar granulite terrain, Eastern Dharwar Craton, India." Evolving Earth 2 (2024): 100035.
115. Singh, Priyanka, et al. "Presence and implications of petrogenic organic carbon in High Himalayan Crystalline lake sediment." Radiocarbon 66.4 (2024): 783-805.
116. Singh, Saurabh, et al. "Geochemical and geochronological evolution of the UHT granulites from the Eastern Ghats Mobile Belt, India: implications from F-OH substitution in biotite, thermal events and cooling age." International Geology Review 66.11 (2024): 2103-2122.
117. Singh, V. P., et al. "Discovery of fossil micrometeorites from the Deccan trap intertrappeans." Meteoritics & Planetary Science 59.11 (2024): 2922-2937.
118. Singh, VINOD K., and A. L. E. X. A. N. D. E. R. Slabunov. "Geochemical characteristics of banded iron formation and metavolcanics of Babina greenstone belt of the Bundelkhand Craton, Central India." Journal of Economic Geology and Georesource Management 10 (2015): 63-74.
119. Singh, Y. Priyananda, et al. "Geochemistry of the siliciclastic sediments from the Raniganj Gondwana basin, West Bengal, India, and its geological implications." Acta Geochimica (2025): 1-20.
120. Sridhar, Nalluri, et al. "Mineral chemistry of chrome-diopside bearing lamprophyre from Mesoproterozoic Settupalle igneous complex of Prakasam alkaline province: insights on the magma dynamics at shallow lithospheric mantle beneath the NE margin of the Cuddapah basin, Southern India." Geological Society, London, Special Publications 551.1 (2025): SP551-2024.
121. Srivastav, Abhishek, et al. "Boundary element coupled structural analysis of Lesser Himalayan railway tunnels: A case study of the Shivpuri–Byasi section, Rishikesh–Karnaprayag BG rail link, Uttarakhand, India." Journal of Earth System Science 133.4 (2024): 244.
122. Srivastava, Rajesh K., et al. "Evidence of a Cenomanian carbonatite emplacement linked with the Marion mantle plume and breakup of India–Madagascar: Constraints from 40Ar-39Ar geochronology and geochemistry of carbonatite xenolith within the Ambadungar–Saidivasan carbonatite breccia, Western India." Geochemistry 85.1 (2025): 126250.
123. Sungkono, S., et al. "Enhanced generalized normal distribution optimization for interpreting magnetic data caused by subsurface mineral deposits." Earth Science Informatics 18.3 (2025): 451.
124. Talukdar, Debojit, et al. "Palaeoproterozoic Lamproite Pulses from the Eastern Dharwar Craton, Southern India: Some Geodynamic Implications." Journal of the Geological Society of India 101.6 (2025): 919-924.
125. Upadhyay, Vikas, Joy Prakash Misra, and B. Singh. "Wire-breakage prediction during WEDM of Ni-based superalloy using machine learning-based classifier approaches." International Journal on Interactive Design and Manufacturing (IJIDeM) 18.6 (2024): 3739-3749.
126. Yadav, Mukesh, et al. "Coupled role of climate and tectonics in the deposition of the late Quaternary sedimentary sequence in the southern margin of the central Ganga Plain, India." Journal of Sedimentary Research 94.5 (2024): 559-578.
127. Yadav, Vikas, and Ashutosh Kainthola. "A Comparative Study of Predicted and Actual Rock Mass Conditions in Himalayan Railway Tunnels." Physics and Chemistry of the Earth, Parts A/B/C (2025): 104026.
128. Yadav, Vikas, et al. "Assessing the impact of urbanization on flood patterns in Varanasi, India using Google Earth Engine." Discover Cities 2.1 (2025): 1-11.
129. Yadav, Vikas, et al. "Discontinuity-Induced Partial Instability in Markundi Hills, Sonbhadra, Uttar Pradesh, India." Geotechnical and Geological Engineering 42.7 (2024): 5693-5709.

Department of Geophysics

Research Papers and Articles

1. Rai, H. Mittal, and G.P. Singh, 2024, "Estimation of source and spectral decay parameters for local earthquakes I Siang region of Arunachal Himalaya and its implication to the tectonics and crustal heterogeneity, Pure Appl. Geophys. 181 (2024), 789–813 2024 doi.org/10.1007/s00024-024-03436-w.
2. Naskar, P.R., Mohapatra, M. &G.P. Singh"Variations in air-sea heat fluxes during lifetime of intense tropical cyclones over the Bay of Bengal. MeteorolAtmosPhys 136, 29 (2024). https://doi.org/10.1007/s00703-024-01026-y.
3. Naskar, P.R., Mohapatra, M., G. P. Singh,. et al. Spatiotemporal variations of UTCI based discomfort over India. J Earth SystSci 133, 47 (2024). https://doi.org/10.1007/s12040-024-02261-y.
4. P R Naskar, G.P. Singh and M.Mohapatra, " CMIP6 projections of surface latent heat flux over the North Indian Ocean", Accepted in Theoretical and Applied Climatology journal.
5. P. R. Naskar, G. P. Singh and Mrutyunjay Mohapatra, 2024 "Association of air sea heat fluxes with tropical cyclones, intensity, energy and destructiveness", Meteorology and Atmospheric Physics, 136:45 (doi.org/10.1007/s00703-024-01044-w).
6. M. S. Shekhar, Peeush Gupta, Vartika Sharma, Kritika Nag, Surendra Paul, D. R. Sakalani, V. Venkatraman, G. P. Singh and Amreek Singh, 2024 "Study of Natural Disaster in Manali Valley (Himachal Pradesh), India on 09 July 2023", MAUSAM, 75, 4 (October, 2024), 1111-1116.(DOI"doi.org/10.54302/mausam.v75i4.6447).
7. Tiwari, A., Rana, N., & Singh, G. P. (2024)."A PGA amplification study for Varanasi city (India): Implications for seismic hazard assessment", Journal of Indian Geophysical Union, 28(6), 399-411.
8. P. R. Naskar, G. P. Singh and Mrutyunjay Mohapatra, (2024) "Variations in air-sea heat fluxes over North Indian Ocean in recent period" MAP (accepted).
9. R. Bhatla, Richa Singh and Puja KumariKannojiya, 2025: "Geospatial mapping of terrain dynamics and rainfall patterns for hazard mitigation in Sikkim". Journal of Earth System Science, 134(1), 1-17. https://doi.org/10.1007/s12040-024-02464-3.
10. Shivaji Singh Patel, Ashish Routray, Vivek Singh, Rohan Kumar, R.Bhatla, Elena Surovyatkina,2025: "Evaluation of 3D-Var and 4D-Var Data Assimilation on Simulation of Heavy Rainfall Events over the Indian Region", Meteorological Applications, 32(2), e70037. https://doi.org/10.1002/met.70037
11. Ashish Routray, Shivaji Singh Patel, Devajyoti Dutta, B.R.R Hari Prasad Kottu, K.C. Gouda, Rajeev Bhatla, V.S. Prasad,,2025: "Impact of Assimilation of Microwave Imager Radiance Data on Simulation of TCs over Bay of Bengal using NCUM-R Modeling System", Quarterly journal of Royal Meteorological Society (QJRMS)..e4984,1-25. https://doi.org/10.1002/qj.4984
12. Richa Singhand R. Bhatla, 2024: "Assessment of Rainfall Variability in Ladakh amidst of evolving Climate", Natural Hahards, 1-25. https://doi.org/10.1007/s11069-024-06922-5
13. Chander Singh Tomar, Rajeev Bhatla, Nand Lal Singh, Vivek Kumar, Pradeep Kumar Rai, Vijay Kumar SonI, Ram Kumar Giri, 2024: "Evaluation of atmospheric precipitable water vapour distribution and trend over India", Theoretical and Applied Climatology. https://doi.org/10.1007/s00704-024-05110-6

14. Pankaj Kumar Yadav, Varun Narayan Mishra, Maya Kumari, Akshay Kumar, Pradeep Kumar, Rajeev Bhatla, 2024: "Spatially explicit simulation and forecasting of urban growth using weights of evidence based cellular automata model in a millennium city of India", Physics and Chemistry of the Earth, 136, 1-16. 103739. https://doi.org/10.1016/j.pce.2024.103739
15. A.P. Singh, O.P. Mishra, Manya Singh and R. Bhatla, 2024: "Seismic Signature of the Super Cyclone Amphan in Bay of Bengal using Coastal Observatories operating under National Seismological Network of India", Earth and Space Science11, e2023EA003191. https://doi.org/10.1029/2023EA003191
16. Soumya Singh, R.K. Mall, Praveen Kumar Singh, R. Bhatla and Pawan Kumar Choubey,2024: "*How virtuous are the bias corrected CMIP6 models in the simulation of heatwave over different meteorological subdivisions of India?*", Urban Climate. 55,101936, 1-14. https://doi.org/10.1016/j.uclim.2024.101936
17. GauriShanker, Abhijit Sarkar, AshuMamgain, R. Bhatla, V.S.Prasad, 2024: "Relative Economic Value of Global Ensemble Prediction System of NCMRWF, India for Extreme Weather Events", Quarterly journal of Royal Meteorological Society (QJRMS). https://doi.org/10.1002/qj.4674
18. Manas Pant, Namendra Kumar Shahi, ArmelleRecaRemedio, R.K. Mall, Shailendra Rai and R. Bhatla, 2024: "Representing rainfall extremes over the Indo-Gangetic Plains using CORDEX-CORE Simulations", Climate Dynamics. 62(5), 3721-3742.https://doi.org/10.1007/s00382-023-07095
19. C.S. Tomar, Rajeev Bhatla, Nand Lal Singh, V.K. Sonim and R.K. Giri, 2024: "Inter-comparison of GNSS-IPWV with ERA-5 IPWV and monitoring of convective events over the Indian region", Mausam, 75(4), 1085-1094. https://doi.org/10.54302/mausam.v75i4.6163.
20. Arun Kumar, Sushil Kumar, Nagendra Kumar, Nitin Lohan and R. Bhatla, 2024: "Comparison of characteristics associated with super cyclonic storm 'Amphan' using numerical model WRF-ARW analysis and ERA5 reanalysis", Journal of Indian Geophysical Union, 28, 2, 99-107.
21. Babita Dani, Vaibhava Srivastava, A.P. Singh and R. Bhatla, 2024: "Impacts of Tsunamis on Environment along the Indian coastline: A Comprehensive Assessment", Journal of Indian Geophysical Union, 28, 2, 143-154.
22. S. K. Pal, Sandeep*, S. Gangajali, P. Kumar, H. Mittal (2024) Development of region specific earthquake early warning scaling relations for the Garhwal region using observed and simulated datasets: A step forward to disaster mitigation. Bull Earthquake Enghttps://doi.org/10.1007/s10518-024-01911-2
23. Monika, P. Kumar, Sandeep, A. Joshi, S.K. Pal (2024) 3D Attenuation Tomography of the Uttarakhand, NW Himalaya: Linkage to fluid or partial melt Zones - seismic hazard. Soil Dynamics and Earthquake Engineeringhttps://doi.org/10.1016/j.soildyn.2024.108699
24. S. Devi, S. K. Pal, Sandeep*, P. Kumar, Monika, H. Mittal (2024) Source modeling of deep plate boundary 2021 Miyagi earthquake employing semi stochastic approach with site effects: A step forward towards hazard mitigation J. Earth. Engg. https://doi.org/10.1080/13632469.2024.2415079
25. P. Kumar, V. J. Sahakian, Monika, Sandeep* (2024) Frequency-dependent layered Q model and Attenuation Tomography of the Himachal North-West Himalaya, India: Insight to explore crustal variation Pure and Applied Geophysicshttps://doi.org/10.1007/s00024-024-03618-6
26. Kumar, A., Srivastava, A. K., Chakravarty, K., & Srivastava, M. K. (2025). Reflectivity-Rain Rate Relationship for Orographic Rainfall at Mahabaleshwar Over the Indian Western Ghats. Pure and Applied Geophysics. https://doi.org/10.1007/s00024-025-03761-8
27. Kumar, A., Srivastava, A. K., Mehrotra, B. J., Srivastava, M. K., & Pattanaik, D. R. (2025). Decadal seasonal characteristics of precipitation microphysics over the Western Ghats using the space-borne precipitation radar. Atmospheric Research, 315, 107894. https://doi.org/10.1016/j.atmosres.2024.107894
28. Kumar A., SrivastavaA. K., ChakravartyK., Srivastava M. K., Diurnal variation of rain drop size distribution over the Western Ghats in India,Ind. J. Pure Appl. Phys., 62, 363-371, https://doi.org/10.56042/ijpap.v62i5.6394
29. Mehrotra, B. J., Choudhary, A., Srivastava, A. K., Sharma, S. K., & Srivastava, M. K. (2025). Physical, optical and radiative attributes of atmospheric aerosols produced due to bonfire during the Holika festival. Physics and Chemistry of the Earth, Parts A/B/C, 138, 103856. https://doi.org/10.1016/j.pce.2025.103856
30. Mehrotra, B. J., Srivastava, A. K., Singh, A., Parashar, D., Majumder, N., Singh, R. S., Choudhary, A., & Srivastava, M. K. (2024). Long-Term Trend in Black Carbon Mass Concentration Over Central Indo-Gangetic Plain Location: Understanding the Implied Change in Radiative Forcing. Journal of Geophysical Research: Atmospheres, 129(13). https://doi.org/10.1029/2024JD040754
31. Ram, S., Pandey, U., & Srivastava, M. K. (2024). Tree ring oxygen isotope (δ18O) variations from western Himalaya and it linkage with vapor pressure and runoff water in India. Journal of the Indian Academy of Wood Science, 21(1), 155–161. https://doi.org/10.1007/s13196-024-00340-7
32. Ram, S., & Srivastava, M. K. (2024). Regional climate change and climate variability study over Shimla and adjoining areas of the western Himalaya. J. Ind. Geophys. Union, 28(3), 187–193.
33. Singh, A. P., Maury, S. P., Kant, R., Verma, N., Singh, R., Singh, K. H., Kushwaha, P. K., Srivastava, M. K., Hema, G., Raghuvanshi, H., & Richa. (2024). Application of seismic inversion based maximum likelihood methods to monitor CO2 plume in Sleipner Gas Field, Norway. J. Ind. Geophys. Union, 28(4), 235–246. https://iguonline.in/journal/PDFpost/185.pdf
34. Singh, A. P., Maurya, S. P., Kant, R., Kumar, B., Hema, G., Srivastava, M. K., Kumar, A., Anjali, R., Shoharat, Chaurasia, Sharma, A., Devi, A., & Pandey, S. (2025). Monitoring long-term storage of CO 2 in a gas and condensate field in the North Sea off the coast of Norway using seismic methods. GEOPHYSICS, 90(4), M167–M180. https://doi.org/10.1190/geo2024-0715.1
35. Singh, A. P., Maurya, S. P., Kant, R., Singh, K. H., Singh, R., Srivastava, M. K., Hema, G., & Verma, N. (2024). Implementing 4D seismic inversion based on Linear Programming techniques for CO2 monitoring at the Sleipner field CCS site in the North Sea, Norway. Acta Geophysica, 73(1), 271–293. https://doi.org/10.1007/s11600-024-01376-6
36. Tiwari, P., Gupta, S., Shankar, S., Srivastava, P., Mehrotra, B. J., Srivastava, M. K., Naja, M., Gadi, R., Kumar, M., Dawar, A., & Sharma, S. K. (2025). Integrated mineral identification of PM10 using XRD, ATR-FTIR and SEM–EDX techniques in Indo-Gangetic Plain (IGP) and Indo-Himalayan Region (IHR). Environmental Monitoring and Assessment, 197(8), 912. https://doi.org/10.1007/s10661-025-14320-y
37. Tiwari, P., Mehrotra, B. J., Gupta, S., Srivastava, M. K., Kumar, M., Vijayan, N., Choudhary, A., & Sharma, S. K. (2024). Unveiling the elemental composition, sources and health impacts of PM10 over the central Indo-Gangetic plain (IGP) of India. Physics and Chemistry of the Earth, Parts A/B/C, 136, 103752. https://doi.org/10.1016/j.pce.2024.103752
38. Verma, P. K., Srivastava, A. K., Shukla, S. P., Pathak, V., Singh, A., Mehrotra, B. J., & Srivastava, M. K. (2024). Artificial Intelligence Based Investigation for the Impact of High PM2.5 Concentration on Cloud Parameters over the Polluted Central IGP location, Kanpur. Indian Journal of Pure & Applied Physics, 62, 1138–1149. https://doi.org/10.56042/ijpap.v62i12.13527
39. Korimilli Naga Durga Prasad, Shravan Kumar, Akhil Mishra, Uma Shankar (2025) Geopotential Imprints on the Tectonothermal Evolution of the Northwest Indian Ocean. Accepted in Marine Geophysical Research, https://doi.org/10.1007/s11001-025-09579-2.
40. Sudipto Bhattacharjee, Sanjay Kumar Prajapati, Uma Shankar, O.P. Mishra (2025) An insight into seismotectonic scenario of the southwestern part of Delhi NCR and delineation of new faults: Implications to seismic hazard potential. Geoscience Frontiers, Vol., 16, 101991. DOI: https://doi.org/10.1016/j.gsf.2024.101991.
41. Manoj Kumar Bhartee, Uma Shankar, Yadunath Jha, Nani Madhab Dutta (2025) Imaging challenges and mitigations in the Tripura Fold Belt areas for reservoir characterization and hydrocarbon prospecting. J. Ind. Geophys. Union, 29(2), 101–114. https://doi.org/10.71122/JIGU.29(2)2025.0011.
42. Vedprakash Thakur, Sanjay Kumar Prajapati, Birendra Pratap, Uma Shankar, Sudipto Bhattacharjee (2025) Eratquake source parameters of moderate to small earthquake and scaling relationships in the western Himalya: seismic hazard implication. Earth Sciences Vol. 14(2), pp 42-62. Doi: https://doi.org/10.11648/j.earth.20251402.13.
43. Shikha Vashisth, Ambikapathy Ammani, Himanshu Mittal, Uma Shankar, O.P. Mishra (2024) Seismic Source Characteristics and Scaling Laws in the Northwest Himalayan Region: Case Study of Himachal Pradesh and Uttarakhand, Pure and Applied Geophysics, Vol. 182, 1129-1147. DOI: https://doi.org/10.1007/s00024-024-03577-y.
44. Sangeeta Kumari, Uma Shankar (2024) Assessing S-wave velocity in the shallow subsurface layers of Varanasi city through a combination of passive seismic and standard penetration test measurements, J. Earth Syst. Sci., Vol. 133, 235. DOI: https://doi.org/10.1007/s12040-024-02440-x.
45. Pawan Kumar Singh and Uma Shankar (2024) Estimation of reservoir properties using pre-stack seismic inversion and neural network in mature oil field, Upper Assam basin, India, Journal of Applied Geophysics, Vol. 230, 105523. DOI: https://doi.org/10.1016/j.jappgeo.2024.105523.
46. Pradeep Kumar Yadav, Uma Shankar (2024) Linear model for pore pressure predication in gas hydrate bearing sand formation of Krishna-Godavari Basin (India)- a case study, Journal of Geological Society of India, Vol. 100(6), 767-912. DOI: https://doi.org/10.17491/jgsi/2024/173909.
47. Uma Shankar, Pradeep Kumar Yadav, Sneha Devi, Udham Singh Yadav (2024)Gas hydrate saturation from NGHP 02 LWD data in Mahanadi basin, *Energy geoscience,* Vol. 5(2), 100218.
48. Singh, A. P., Maurya, S. P.*, Kant, R., Singh, K. H., Singh, R., Srivastava, M. K., Hema, G., &Verma, N. (2025). Implementing 4D seismic inversion based on linear programming techniques for CO_2 monitoring at the Sleipner field CCS site in the North Sea, Norway. *ActaGeophysica, 73*(1), 271–284.
49. Singh, A. P., Kant, R., Maurya, S. P.*, Kumar, B., Verma, N., Singh, R., Singh, K. H., Srivastava, M. K., &Hema, G. (2025). CO_2 characterization using seismic inversion based on global optimization techniques for enhanced reservoir understanding: A comparative study. *ActaGeophysica*, *73*, 2551–2568.
50. Hema, G., Maurya, S. P.*, Kant, R., Singh, A. P., Verma, N., Kumar, B., Singh, R., & Singh, K. H. (2025). Seismic inversion for CO_2 volume monitoring and comprehensive evaluation of pore fluid properties: A case study. *Environmental Earth Sciences, 4*(2), 1–23.
51. Kant, R., Kumar, B., Maurya, S. P.*, Singh, A. P., Hema, G., & Singh, R. (2025). A methodology for the mapping of acoustic impedance and porosity in the inter-well region using seismic inversion based on the Hooke and Jeeves algorithm. *Arabian Journal of Geosciences*, *18*(1), 1–16.
52. Kumar, B., Kant, R., Maurya, S. P.*, Singh, A. P., Hema, G., Singh, R., Sarkar, P., Singh, K. H., & Sharma, S. K. (2025). Reservoir characterization using simultaneous inversion of pre-stack seismic data based on traditional conjugate gradient methods and particle swarm optimization: A comparative case study. *Earth Science Informatics, 18*(1), 1–14.
53. Verma, N., Kant, R., Maurya, S. P.*, Kumar, B., Singh, A. P., Hema, G., Singh, R., Singh, K. H., & Sarkar, P. (2025). Seismic inversion based on principal component analysis and probabilistic neural network for prediction of porosity from post-stack seismic data. *Earth Science Informatics, 18*(1), 1–23.
54. Singh, A. P., Maurya, S. P.*, Kant, R., Singh, K. H., Singh, R., Srivastava, M. K., Hema, G., &Verma, N. (2025). Implementing 4D seismic inversion based on linear programming techniques for CO_2 monitoring at the Sleipner field CCS site in the North Sea, Norway. *ActaGeophysica, 73*(1), 271–293.
55. Kant, R., Kumar, B., Singh, A. P., Hema, G., Maurya, S. P.*, Singh, R., Singh, K. H., & Sarkar, P. (2024). Enhancing porosity prediction: Integrating seismic inversion utilizing sparse layer reflectivity, and particle swarm optimization with radial basis function neural networks. *Geophysical Prospecting, 73*(1), 49–66.
56. Kant, R., Kumar, B., Maurya, S. P.*, Verma, N., Singh, A. P., Hema, G., Singh, R., Singh, K. H., & Sarkar, P. (2024). Identification of the reservoir using seismic inversion based on particle swarm optimization method: A case study. *Journal of Earth System Science, 133*(4), 227–245.
57. Kant, R., Kumar, B., Maurya, S. P., Singh, R., & Tiwari, A. K. (2024). Exploring the utility of nonlinear hybrid optimization algorithms in seismic inversion: A comparative analysis. *Physics and Chemistry of the Earth, 136*, 103754.
58. Singh, R., Maurya, S. P.*, Kumar, B., Verma, N., Tiwari, A. K., Tiwari, R., Hema, G., & Singh, A. P. (2024). A flowchart for porosity and acoustic impedance mapping using seismic inversion with semi-hybrid optimization combining simulated annealing and pattern search techniques. *Marine Geophysical Research*, *45*(3), 1–22.
59. Hema, G., Maurya, S. P.*, Kant, R., Singh, A. P., Verma, N., Singh, R., & Singh, K. H. (2024). Enhancement of CO_2 monitoring in the Sleipner field (North Sea) using seismic inversion based on simulated annealing of time-lapse seismic data. *Marine and Petroleum Geology, 167*, 106962.
60. Verma, N., Maurya, S. P.*, Kant, R., Singh, K. H., Singh, R., Singh, A. P., Hema, G., Srivastava, M. K., Tiwari, A. K., Kushwaha, P. K., & Singh, R. (2024). Comparison of neural networks techniques to predict subsurface parameters based on seismic inversion: A machine learning approach. *Earth Science Informatics, 7*(2), 031–1052.

61. Verma, N., Maurya, S. P.*, Kant, R., Singh, K. H., Singh, R., Singh, A. P., Hema, G., Srivastava, M. K., Tiwari, A. K., Kushwaha, P. K., &Richa. (2024). Reservoir characterisation using hybrid optimisation of genetic algorithm and pattern search to estimate porosity and impedance volume from post-stack seismic data: A case study. *Journal of Earth System Science, 133*(2), 90.
62. Singh, R., Srivastava, A., Kant, R., Maurya, S. P.*, Mahadasu, P., Verma, N., Hema, G., Kushwaha, P. K., Richa, Singh, K. H., & Singh, A. P. (2024). Integrated thin layer classification and reservoir characterization using sparse layer reflectivity inversion and radial basis function neural network: A case study. *Marine Geophysical Research, 45*(1), 3.
63. Singh, R., Kushwaha, P. K., Maurya, S. P.*, & Rai, P. (2024). Estimation of petrophysical properties using linear programming sparse spike inversion and deep feed-forward neural network techniques over F3 block, Netherlands: A case study. *Pure and Applied Geophysics, 181*(3), 935–952.
64. Anamika Pandey and BirendraPratap (2025) Aquifer charecterization and protective capacity evaluation using geoelectrical measurement in parts of VindhyanSupergroup, Uttar Pradesh, India. Geosystems and Geoenvironment. 4(4):1-10. https://doi.org/10.1016/j.geogeo.2025.100412
65. Vedprakash Thakur, Sanjay Kumar Prajapati, BirendraPratap, Uma Shankar, SudiptoBhattacharjee (2025) Earthquake Source Parameters of Moderate to Small Earthquake and Scaling Relationships in the Western Himalaya: Seismic Hazard Implication. Earth Sciences Vol. 14 No. 2 pp. 42-62. https://doi.org/10.11648/j.earth.20251402.13
66. BirendraPratap (2025) Mapping structurally favourable zones of water seepage using remote sensing and geophysical methods in western Rajasthan, India. Journal of Earth and Space Physics. Vol.50, No. 4, 55-69. DOI: http//doi.org/10.22059/jesphys.2024.370004.1007581
67. BirendraPratap (2025) Applying integrated geophysical methods to investigate groundwater seepage flow paths in the city of Jodhpur. NRIAG Journal of Astronomy and Geophysics, 14:1 80-91. DOI: 10.1080/20909977.2025.2457299
68. PoojaTripathi, BirendraPratap, Sanjay Kumar Tiwari, Rajnish Kumar, Sandeep Maddheshiya, PurnenduShekhar Shukla and Mohammad Ashraf (2025): Delineation of Groundwater Potential Zones using GIS and Analytic Hierarchy Process in Parts of Varanasi and Chandauli Districts. Nature Environment and Pollution Technology (24), 1: 159-173. https://doi.org/10.46488/NEPT.2024v24iS1.011
69. Raghu VanshBhushan Singh, SiriboyinaBangaruBabu, BirendraPratap (2025): Gravity Anomalies and Kimberlite Exploration in the WajrakarurKimberlite Field of South Indian Kimberlite Province. Geological Journal, 2025; 0:1–23. https://doi.org/10.1002/gj.5117
70. Rajan Kumar, BirendraPratap, Naveen and Vijay Kumar Tyagi (2025): Mapping of Crustal Structure using Potential Field Methods in Parts of Central Chhattisgarh, India. Journal of Geosciences Research, Vol 10 No. 1, pp 22-29. https://doi.org/10.56153/g19088-024-0217-66
71. Anirudh Singh, BirendraPrapap, Tejas Y. Mankikar and S.K. Singh (2024) Hydrogeological Resolution Using Composite Geophysical Methods: A Case Study of Inland Salinity in Part of Agra, Uttar Pradesh India. Jour. Geol. Soc. India 100 (10):1409-1418. https://doi.org/10.17491/jgsi/2024/173996
72. BirendraPratap and Anamica Pandey (2024) Delineation of aquifers and evaluation of protective capacity using geoelectrical indices in the Vindhyan fringe belt, Mirzapur district, U.P., India. Arabian Journal of Geosciences 17:267 https://doi.org/10.1007/s12517-024-12067-3
73. Pradeep Kumar, Stya Narayan, Ravindra Mishra and BirendraPratap (2024) Improved petrophysical characterization of Miocene deposits in south Tulamura anticline, India: An integrated geophysical and machine learning approach. J. Earth Syst. Sci. (2024) 133:135. https://doi.org/10.1007/s12040-024-02339-7
74. R.B. Singh, S. BangaruBabu, BirendraPratap (2024) Subsurface architecture of the WajrakarurKimberlite Field, DharwarCraton, India: Evidence from ground magnetic surveys. Geosystems and Geoenvironment 3 (2024):100273 https://doi.org/10.1016/j.geogeo.2024.100273

Department of Home Science

Research Papers and Articles

1. Rathi, N., Singh, B., Singh, M., & Worsley, A. (2025). Household dietary gatekeepers' perceptions of home cooking and its associated factors: A qualitative inquiry from urban India. Appetite, 214, 108162, DOI:10.1016/j.appet.2025.108162
2. Rathi, N., Tiwari, P., Kanwar, M., Patel, A., Singh, M., Gupta, K., & Worsley, A. (2025). What influences Indian primary school children's food behaviors? – Perceptions of children, mothers and teachers. *BMC Public Health, 25*, 1585, DOI:10.1186/s12889-025-22660-0
3. Chayal, A., Vatta, L., Dagar, A. and Kalla, P. (2024) Exploring the relationship between choice of study medium and and information seeking behaviour of students. Gujrat Agricultural Research Journal, Gujrat Agricutural University, Gujrat, 48(1), 12-22.
4. Bhati, S., Vatta, L. and Ranawat, R. (2024) Start-up preferences by youth of India. E Journal of Home Science, Home Science Association of India, 36(1), 157-162
5. Gupta, R., Vatta, L. and Chayal, K. (2025). Nutritional awareness and food preferences: A study of Banaras Hindu University Hostel Residents, E Journal of Home Science Association of India, Vol.37(1);137-146
6. Gautam, A., Vatta, L. and Ranwat, R. (2025). Awareness and attitudes towards high fat, sugar and salt (HFSS) foods among adolescents studying in various coaching centres in Varanasi district: A survey study, E Journal of Home Science Association of India, Vol.37(1);286-294
7. Chaturvedi, P. and Vatta,L. (2025). Exploring the Strategies, Utilisation and Limitations of Digital Tool Adoption in Sugarcane Farming, Indian Journal of Extension Education, Vol. 61(1); 118-122
8. Yadav, N and Vatta, L. (2025). Perceptual Analysis of Diverse Perspectives and Desired Proficiencies in 21st Century Skills among College Going Students. Indian Journal of Extension Education, Society of Extension Education, 61(2), 91-95.
9. Vatta, L., Pandey, U., Pandey, A., Yelam, B and Rathi, N. (2025) Open gyms and physical activity in a university setting: A mixed-methods study from Varanasi, India. Journal of Health, Population and Nutrition, Springer Nature, 44:155, 1-14. doi.https://doi.org/10.1186/s41043-025-00916-0
10. Neelam., &Chakravorty, S. (2025, January). Nutritional awareness of working mothers regarding dietary practices of their pre-school children: A cross-sectional study. Indian Journal of Home Science, 37(1), 316-324, ISSN 0970-2733.
11. Mishra, A., Mandal, S., Goswami, P., Chakravorty, S., & Sahu, G. Patel, M. (2024, December). Indigenous Ayurvedic dietary regimens for the management of psoriasis: A review. African Journal of Biomedical Research, 27(4), 12183–12187,
12. Neelam., Chakravorty, S., &Naveen (2024, October). Factors affecting nutritional status and cognition of pre-school children studying in Anganwadi centres. Mukt Shabd Journal, 13(10), 893-902, ISSN 2347-3150.
13. Neelam., &Chakravorty, S. (2024, October). Impact of nutritional status on cognitive development among pre-school children of Varanasi. International Journal of Scientific Development and Research, 9(10), 262-267, ISSN 2455-2631.
14. 14.Chakravorty, S., Neelam., Manisha., & Das, A. (October, 2024). Enhancing the Nutritional Value of Food through Process of Natural Farming in India. International Journal for Multidisciplinary Research, 6(10), 1-10, E-ISSN 2582-2160.
15. Singh, D., Gupta, V., Gond, P., &Chakravorty., S.(August,2024). An Investigation into Psycho-Social Factors of Non-Suicidal self- Injury and Suicidal Ideation Among Adolescents. Cuestiones De Fisioterapia, 53(3), 1213-1220.
16. 16.Neelam., &Chakravorty, S. (October, 2024). Malnutrition and Cognitive Development among Under Five Years Children in India, International Journal of Advanced Research, 12(10), 156-159, ISSN 2320-5407.
17. 17.Vishwakarma, B, Kumari, P. and Vishwakarma, A.K. (2024). Demographic Factors on Cyberbullying and Victimisation among University Students. Indian Journal of Extension Education. Scopus Indexed, Vol. 60, No. 3, July-September 2024, ISSN: 0537-1996, E-ISSN: 2454-552X, Page No. 28-32.
18. 18.Vishwakarma, A.K., Kumari, P. and Vishwakarma, B. (2024). Role of Workplace Bullying in Self-determination Needs among University Teacher. Indian Journal of Extension Education. Scopus Indexed, Vol. 60, No. 4, October-December 2024, ISSN: 0537-1996, E-ISSN: 2454-552X, Page No. 95-100.
19. 19.Kumari, P., and Mishra, P. (2024). Influence of socio-economic characteristics on career preference of adolescents girls in government inter-colleges: A comparative study of arts and science stream. The Indian Journal of Home Science: UGC-CARE List 1, Vol. 36, No. 1, January 2024, ISSN: 0970-2733, Page No. 148-155.
20. 20.Kumari, P., and Mishra, I. (2025). Interpersonal Communication Skills in Shaping Academic Performance among University Students.Indian Journal of Extension Education. Scopus Indexed, Vol. 60, No. 4, June 2025, ISSN: 0537-1996, E-ISSN: 2454-552X, Page No. 95-100.
21. Singh A., Sahay S.S. &Sharma P. (2025).Overview of Textile Waste, In book "Nanotechnology-Assisted Recycling of Textile Waste: Sustainable Tools for Textiles" (Ist ed.) Scrivener Publishing LLC, Wiley, ISBN:9781394174492 10.1002/9781394175017.ch1, (pp.1-27)
22. Sahay S.S., Sharma P. & Singh A. (2025). Contribution of Nanotechnology in Shaping Sustainable Textile Design and Future Fashion Trends, In book "Nanotechnology-Assisted Recycling of Textile Waste: Sustainable Tools for Textiles" (Ist ed.) Scrivener Publishing LLC, Wiley, ISBN:9781394174492, 10.1002/9781394175017.ch7, (pp.207-234)
23. Keerthana S.S., Dave V. &Sharma P. (2025). Prevailing Eco-Parameters and Protocols for Nanotechnology in the Textile Industry, In book "Nanotechnology-Assisted Recycling of Textile Waste: Sustainable Tools for Textiles" (Ist ed.) Scrivener Publishing LLC, Wiley, ISBN:9781394174492, 10.1002/9781394175017.ch16 (pp. 461-495)

Books and Book Chapters

1. Sharma P., Sahay S.S. (2025).Nanotechnology-Assisted Recycling of Textile Waste: Sustainable Tools for Textiles, (Ist ed.) Scrivener Publishing LLC, Wiley, ISBN:9781394174492, DOI:10.1002/9781394175017

Department of Mathematics

Research Papers and Articles

1. Om PrakashPandey · SachinPathak · Awadhesh Kumar Shukla ·
2. Vipul Mishra · Ashish Kumar Upadhyay, A study on the number of $\mathbb{Z}2\mathbb{Z}4\mathbb{Z}8$ and $\mathbb{Z}p\mathbb{Z}p2\ \mathbb{Z}p3$-additive cyclic, Applicable Algebra in Engineering, Communication and Computing, Codes, 8 Dec 2024
3. Awadhesh Kumar Shukla1 · Sachin Pathak2 · Om Prakash Pandey1 ·Vipul Mishra1 · Ashish Kumar Upadhyay1,On $(\theta,\Theta)(\theta,\Theta)$-cyclic codes and their applications in constructing QECCs,Quantum Information Processing (2025) 24:68
4. Awadhesh KUMAR Shukla, Om PrakashPandey, Vipul Mishra, SachinPathak, Ashish Kumar Upadhyay, Hulls of ZpZp[v]-cyclic codes and construction of EAQECCs, Advances in Mathematics of Communications, August 2025
5. Om PrakashPandey, Awadhesh KUMAR Shukla, Vipul Mishra, A. K. Upadhyay, SachinPathak, A study on the number of $Z2Z4Z8$ and $ZpZp2Zp3$ -additive cyclic codes, Applicable Algebra in Engineering, Communication and Computing, Feb 2025
6. Hai Q. Dinh,BhanuPratapYadav,BacNguyen,Ashish Kumar Upadhyay,F2F2 [u2] F2 [u3]-additive cyclic codes are asymptotically good, Discrete Math, Jan 2025
7. Pathak, Ashish; Pandey, Shrish. Characterization of wave front sets associated with ultradistributional spaces by special orbital wavelet transform.Pseudo-differential operators and related topics, 97–104.Trends Math. Res. Perspect. Ghent Anal. PDE Cent., 8, Birkhäuser/Springer, Cham, 2025. ISBN:978-3-031-71988-2, ISBN:978-3-031-71989-9
8. Pathak, Ashish; Rao, Ashwani. Ridgelet transform on Gelfand-Shilov spaces of type W.Pseudo-differential operators and related topics, 105–112.Trends Math.Res. Perspect. Ghent Anal. PDE Cent., 8 Birkhäuser/Springer, Cham, 2025. ISBN:978-3-031-71988-2 ISBN:978-3-031-71989-9
9. Pathak, Ashish; Chaurasia, Dharmendra Kr. Paley-Wiener theorems for the Bessel wavelet transformation. Integral Transforms Spec. Funct. 35 (2024), no. 12, 716–735. ISSN (Online)1476-8291.
10. Pathak, Ashish; Rao, Ashwani. Ridgelet transform on Gelfand-Shilov-type spaces.
11. Math. Methods Appl. Sci. 47 (2024), no. 14, 11727–11741. ISSN (Online)1099-1476
12. Pathak, Ashish; Singh, Guru P.; Multilevel wavelet packets in Sobolev space over local fields of positive characteristic. Afr. Mat. 35 (2024), no. 3, Paper No. 70. ISSN (Online)2190-7668.
13. Pathak, Ashish; Chaurasia, Dharmendra Kr.; Paley–Wiener–Schwartz Type Theorem for the Stockwell-Transform of Distributions. Int. J. Appl. Comput. Math. 10 (2024), no. 2, Paper No. 78.ISSN (Online)2199-5796
14. Pathak, Ashish; Kumar, Dileep, Multiresolution Analysis on Sobolev Space over Local Fields of Positive Characteristic and Characterization of Scaling, Iranian Journal of Mathematical Sciences and Informatics, Vol. 19, No. 1 (2024), pp 161-174. ISSN (Online)2008-9473

15. JaiPrakash,HuanJ.Keh,Thermocapillarymotionofaspheroidaldropinan immiscible fluid,International Journal of Multiphase Flow,March, 2025,DOI : https://doi.org/10.1016/j.ijmultiphaseflow.2024.105072, 105072.
16. D. Yadav, M. Awasthi, R. Ragoju, K. Bhattacharyya, R. Kodi, J. Wang, "The impact of rotation on the onset of cellular convective movement in a Casson fluid saturated permeable layer with temperature dependent thermal conductivity and viscosity deviations", Chinese Journal of Physics, 2024, Vol. 91, Issue 3, art. id. 262-277. (Elsevier) (ISSN: 0577-9073(PV), 2309-9097(EV))
17. S. Rajput, A.K. Verma, K. Bhattacharyya, A.J. Chamkha, "Unsteady nonlinear mixed convective flow of nanofluid over a wedge: Buongiorno model", Waves in Random and Complex Media, 2024, Vol. 34, Issue 5, pp. 4059-4073. (Taylor & Francis) (ISSN: 1745-5030(PV),1745-5049(EV))
18. D. Yadav, M. Awasthi, R. Ragoju, K. Bhattacharyya, R. Kodi, M. Hassan, J. Wang, "Impact of temperature reliant thermal conductivity and viscosity variations on the convection of Jeffrey fluid in a rotating cellular porous layer", Proceedings of the Royal Society A-Mathematical, Physical and Engineering Sciences, 2024, Vol. 480, Issue 2301, art. id. 20240206. (Emerald) (ISSN: 1708-5284)
19. D. Yadav, M. Awasthi, A.K. Singh, R. Ragoju, K. Bhattacharyya, U.S. Mahabaleswar, "Thermal boundary conditions and rotation effects on the onset of Casson fluid convection in a permeable layer produced by purely interior heating", Numerical Heat Transfer, Part B: Fundamentals, 2024, DOI: 10.1080/10407790.2024.2374060. (Taylor & Francis) (ISSN: 1040-7790(PV)1521-0626(EV))
20. Banerjee, K. Bhattacharyya, S.K. Mahato, A.K. Verma, A.K. Gautam, A.J. Chamkha, "Exact solutions for 2D boundary layer flow of two types of viscoelastic fluids and heat transfer on a permeable shrinking sheet with thermal radiation and variable surface temperature: Existence of multiple solutions", Waves in Random and Complex Media, 2025, Vol. 35, Issue 1, pp. 527-552. (Taylor & Francis) (ISSN: 1745-5030(PV)1745-5049(EV)
21. Yadav, M. Awasthi, R. Ragoju, K. Bhattacharyya, A. Mahajan, J. Wang, "Impact of viscous dissipation, throughflow and rotation on the thermal convective instability of Jeffrey fluid in a porous medium layer", European Journal of Mechanics / B Fluids, 2025, Vol. 109, Issue 1, pp. 55-65. (Elsevier) (ISSN: ISSN: 0997-7546(PV), 1873-7390(EV))
22. R. P. Gupta, Shristi Tiwari, Arun Kumar, The study of non-constant steady states and pattern
23. formation for an interacting population model in a spatial environment, Mathematics and Computersin Simulation, 229 (2025) 652–672, ISSN-0378-4754.
24. "Chandra, Ram; Gupta, Prajjwal; Priyadarshi, Anupam; ",Holling type-II functional response in aquatic ecosystem models shaping spatial heterogeneous distribution of Phytoplankton data at Tokyo Bay,AIP conference proceedings,3087,1,130002,2024,AIP Publishing LLC
25. "Bairwa, Suneel Kumar; Singh, Satyabhan; Priyadarshi, Anupam; ",Predicting qualitative behavior of a tri-trophic food chain model having Allee effect on prey growth using spectral theory,AIP Conference Proceedings,3087,1,130001,2024,AIP Publishing LLC
26. "Rana, Pankaj Singh; Sharma, Nitin; Priyadarshi, Anupam; ",Mathematical modeling and optimal control of a deterministic SHATR model of HIV/AIDS with possibility of rehabilitation: a dynamic analysis,Tamkang Journal of Mathematics,55,3,267-285,2024,
27. Jayjit Barman and Shibsankar Das. Geometric Approach to Degree-Based Topological Index: Hyperbolic Sombor Index. MATCH-Communications in Mathematical and in Computer Chemistry, Faculty of Science & University of Kragujevac, Volume 95, Issue no. 1, Page: 63-94, 2026, (Accepted on 17-March-2025). [DOI: https://doi.org/10.46793/match95-1.03425] - [ISSN: 0340-6253, eISSN: 3009-4399] - [Indexed in SCI (Journal Citation Reports (JCR), I.F: 2.4 (2024), WoS), Q1, Scopus].
28. Biswaranjan Khanra and Shibsankar Das. Euler Sombor Index of Trees, Unicyclic and Chemical Graphs. MATCH-Communications in Mathematical and in Computer Chemistry, Faculty of Science & University of Kragujevac, Volume 94, Issue no. 2, Page: 525-548, 2025, (Accepted on 05-March-2025). [DOI: https://doi.org/10.46793/match.94-2.525K] - [ISSN: 0340-6253, eISSN: 3009-4399] - [Indexed in SCI (Journal Citation Reports (JCR), I.F: 2.4 (2024), WoS), Q1, Scopus].
29. Shibsankar Das and Virendra Kumar. Chemical Applicability of GQ and QG Indices of a Graph and Their Bounds. Ars Combinatoria, Volume 162, Page: 123-148, 2025, (Accepted on 22-February-2025). [DOI: https://doi.org/10.61091/ars162-10] - [ISSN: 0381-7032 (print), 2817-5204 (online)] - [Indexed in Scopus, Q4].
30. Virendra Kumar and Shibsankar Das. The Nordhaus-Gaddum-type Inequalities for the Nirmala Indices. Turkish World Mathematical Society (TWMS) Journal of Applied and Engineering Mathematics, Volume 15, Issue no. 1, Page: 120-136, 2025, (Accepted on 19-March-2024). [DOI: https://doi.org/] - [ISSN: 2146-1147] - [Indexed in ESCI (WoS), Scopus, Q3].
31. Virendra Kumar and Shibsankar Das. Comparative Study Between Nirmala and Sombor Indices Based on Their Applicability, Degeneracy and Smoothness. The European Physical Journal - Plus (EPJ Plus), Springer, Volume 139, Issue no. 11, Page: 1-22, article number 995, 2024, (Accepted on 21-October-2024). [DOI: https://doi.org/10.1140/epjp/s13360-024-05768-x] - [ISSN: 2190-5444] - [Indexed in SCIE (Journal Citation Reports (JCR), I.F: 2.9 (2024), WoS, Q1), Scopus].
32. Shibsankar Das, Virendra Kumar and Jayjit Barman. Geometric-Quadratic and Quadratic-Geometric Indices-based Entropy Measures of Silicon Carbide Networks. Silicon. Springer, Volume 17, Issue no. 1, Page: 75–91, 2025, (Accepted on 08-October-2024). [DOI: https://doi.org/10.1007/s12633-024-03173-8] - [ISSN: 1876-9918] - [Indexed in SCIE (Journal Citation Reports (JCR), I.F: 3.3 (2024), WoS, Q1), Scopus].
33. Virendra Kumar and Shibsankar Das. A Novel Approach to Determine the Sombor-type Indices via M-polynomial. Journal of Applied Mathematics and Computing (JAMC), Springer, Volume 71, Issue no. 1, Page: 983–1007, 2025, (Accepted on 03-October-2024). [DOI: https://doi.org/10.1007/s12190-024-02272-4] - [ISSN: 1865-2085] - [Indexed in SCIE (Journal Citation Reports (JCR), I.F: 2.7 (2024), WoS, Q1), Scopus].
34. Shibsankar Das and Modhuleena Mandal. Deriving M-polynomial Based Topological Descriptors of Oral Antiviral Clinical Drug Nirmatrelvir. Scientific Annals of Computer Science (SACS), Volume 34, Issue no. 2, Pages 113-138, 2024, Alexandru Ioan Cuza University of Iaşi, (Accepted on 16-September-2024). [DOI: https://doi.org/10.47743/SACS.2024.2.113] - [eISSN: 2248-2695] - [Indexed in Web of Science (ESCI), Scopus, DBLP, Q3].
35. Treanță, S., Ciontescu, M., Laha, V., & Shi, F. (2025). CHARACTERIZATION AND EXISTENCE RESULTS OF SOLUTIONS IN NON-CONVEX CONTROLLED MINIMIZATION MODELS. Annals: Series on Mathematics & its Applications, 17(1).
36. Laha, V., Singh, H. N., & Mohapatra, R. (2024). On multiobjective fractional programs with vanishing constraints. RAIRO-Operations Research, 58(6), 4701-4716.
37. Mishra, S. K., Laha, V., & Hassan, M. (2024). On QuasiconvexMultiobjective Optimization and Variational Inequalities Using Greenberg–Pierskalla Based Generalized Subdifferentials. Journal of Optimization Theory and Applications, 202(3), 1169-1186.
38. Sachan, P., &Laha, V. (2024). On multiobjective optimization problems involving higher order strong convexity using directional convexificators. OPSEARCH, 1-24.
39. Mohapatra, R. N., Sachan, P., &Laha, V. (2024). Optimality Conditions for Mathematical Programs with Vanishing Constraints Using Directional Convexificators. Axioms, 13(8), 516.
40. Singh, B. P., Dutta, B., Goswmai, P., & Bandopadhyay, A. (2025). Time-periodic electric field driven thermofluidic transport of Maxwell fluids in a microtube with wall slip. Physics of Fluids, 37(8).

Department of Molecular and Human Genetics

Research Papers and Articles

1. Singh J, Narayan G, Dixit VK (2024): The long intergenic non-coding RNA LINC01140 modulates gastric cancer phenotypes and cancer cell lines aggressiveness. Digestive and Liver Disease,DOI: https://doi.org/10.1016/j.dld.2024.03.006. Journal Impact Factor: 4.0; ISSN: 1590-8658; Citation: 00.
2. Gupta G, Joshi D, Narayan G, Sharma S (2025): Exploration of novel phytochemicals as α-synuclein aggregation inhibitors in the context of Parkinson's disease therapy: an in-silico approach. In Silico Pharmacology, 13:37; DOI: 10.1007/s40203-025-00330-8.Journal Impact Factor: N.A.; ISSN: 2193-9616.
3. Parida BP, Radhakrishnan M, Goyal V, Sharma A, Zarekar R, Ansari MA, Singh J, Singh S, Narayan G (2025): Anti-cancer potential of non-curcuminoid bioactive from Curcuma caesiaRoxb. (Black Turmeric): Targeting cervical cancer via PI3K/Aktpathway modulation. European Journal of Medicinal Chemistry Reports, 14: 100273; DOI: https://doi.org/10.1016/j.ejmcr.2025.100273. Journal Impact Factor: 4.1; ISSN: 2772-4174.
4. Sarkar, B., Singh, J., Verma, D., Mutsuddi, M., Mukherjee, A.* (2025). Regulation of Notch signaling by Multiple Ankyrin repeat containing protein Mask. Cell Commun Signal. (Accepted)Impact Factor: 8.2 *Corresponding author
5. Singh, J., Verma, D., Sarkar, B., Paul, M.S., Mutsuddi, M., Mukherjee, A.* (2025). Notch and LIM-homeodomain protein Arrowhead regulate each other in a feedback mechanism to play a role in wing and neuronal development in Drosophila. Open Biol. 15: 240247. doi: 10.1098/rsob.240247.Impact Factor: 4.5 *Corresponding author
6. Verma, D., Sarkar, B., Singh, J., Singh, A., Mutsuddi, M., Mukherjee, A.* (2025). Loss of non-muscle myosin II Zipper leads to apoptosis-induced compensatory proliferation in Drosophila. BiochimBiophys Acta Mol Cell Res. 1872:119939. doi: 10.1016/j.bbamcr.2025.119939. Impact Factor: 4.5 *Corresponding author
7. Verma, D., Singh, A., Singh, J., Mutsuddi, M., Mukherjee, A.* (2024). Regulation of Notch signaling by non-muscle myosin II Zipper in Drosophila. Cell Mol Life Sci. 81:195. doi: 10.1007/s00018-024-05142-1.Impact Factor: 8.7 *Corresponding author
8. Malik, A.K., Setia, A., Verma, D., Viswanadh, M.K., Mukherjee, A., Muthu, M.S. (2025). Carboxymethyl Chitosan Capped Bimetallic Nanoparticles Entrapped in Theranostic Nanofibers: Antimicrobial Peptide Coating, In Vitro, In Vivo Characterization for MDR Microbial Infection and Photoacoustic/Optical Imaging. ACS Appl Bio Mater.doi: 10.1021/acsabm.4c01883. Epub ahead of print. Impact Factor: 4.7
9. Malik, A.K., Singh, C., Tiwari, P., Verma, D., Mehata, A.K., Vikas., Setia, A., Mukherjee, A., Muthu, M.S. (2024). Nanofibers of N,N,N-trimethyl chitosan capped bimetallic nanoparticles: Preparation, characterization, wound dressing and in vivo treatment of MDR microbial infection and tracking by optical and photoacoustic imaging. Int J BiolMacromol. 263 (Pt 1):130154. doi: 10.1016/j.ijbiomac.2024.130154. Impact Factor: 8.2
10. Shinde, A.; Tang, X.; Singh R.*; Brindley, D.N. (2024) Infliximab, a Monoclonal Antibody against TNF-α, Inhibits NF-κB Activation, Autotaxin Expression and Breast Cancer Metastasis to Lungs. Cancers, 16, 52
11. Shinde A, Chandak N, Singh J, Roy M, Mane M, Tang X, Vasiyani H, Currim F, Gohel D, Shukla S, Goyani S, Saranga MV, Brindley DN, Singh R*. (2024) TNF-α induced NF-κB mediated LYRM7 expression modulates the tumor growth and metastatic ability in breast cancer. Free Radic Biol Med :211:158-170
12. Currim F, Shukla S, Singh J, Gohel D, Mane M, Shinde A, Roy M, Goyani S, Vasiyani H, Chandran A, Rochet J, Cannon J, Singh R* (2024)Neuronal exosomal miRNAs modulate mitochondrial functions and cell death in bystander neuronal cells under Parkinson's disease stress conditions. Neurotoxicology :101:102-116
13. Goyani, S., Shukla, S., Saranga, M. V., Mane, M., Chandak, N., Singh, J., Jadiya, P., Tomar, D., & Singh, R. (2025). TRIM71 bound hsa-miR-30b-5p restores mitochondrial function in a cellular model of Parkinson's disease. Free Radical Biology and Medicine, 236, 134–143. https://doi.org/10.1016/j.freeradbiomed.2025.05.394
14. Currim, F., Brown-Leung, J., Syeda, T., Corson, M., Schumann, S., Qi, W., Baloni, P., Shannahan, J. H., Rochet, J.-C., Singh, R., & Cannon, J. R. (2025). Rotenone induced acute miRNA alterations in extracellular vesicles produce mitochondrial dysfunction and cell death. Npj Parkinson's Disease, 11(1), 1–17. https://doi.org/10.1038/s41531-025-00917-0
15. 1.Kirola, L., Joshi, D., Tapadia, M., et al. (2024, June 26). Identification of a novel compound heterozygous mutation in RyR1 gene in an Indian family affected with congenital myopathy. Authorea. https://doi.org/10.22541/au.171942438.86570500/v1
16. 2.Singh, J., Sarkar, B., Mukherjee, A., &Mutsuddi, M. (2024). Protein metabolism: Critical factors implicated in neurodegenerative diseases. In N. Agrawal (Ed.), Altered metabolism: A major contributor of comorbidities in neurodegenerative diseases (Chap. 8). Springer. https://doi.org/10.1007/978-981-97-4288-2_8

17. 3.Pandey, P., Mukherjee, T., Modak, O., &Mutsuddi, M. (2024). Unveiling RNA dysfunction: A key player in neurodegeneration. In N. Agrawal (Ed.), Altered metabolism: A major contributor of comorbidities in neurodegenerative diseases (Chap. 10). Springer. https://doi.org/10.1007/978-981-97-4288-2_10
18.
19. Grizzi F, Martin-Perez M, Rai G, Saeed AFuH, Raman A and Bordoloi D (2025) Editorial: Innate immune pathways as targets for developing therapeutic intervention against human cancers. Front.Immunol. 16:1595279. doi: 10.3389/fimmu.2025.1595279
20. Das N, Rai G, Madan T, Kishore U. Editorial: NETosis, complement activation and pattern recognition at the intersection of inflammatory disorders. Front Immunol. 2025 Mar 28;16:1594478. doi:10.3389/fimmu.2025.1594478. PMID: 40226610; PMCID: PMC11985802.
21. Priya K, Rawat S, Das D, Mohanty S, Chaubey M, Thacker H, Giri K, Rai M, Rai G (2025). Autoimmunity and clinical pathology amelioration in SLE by Dexamethasone primed Mesenchymal Stem Cell derivedconditioned media. Stem Cell Res Ther. (Accepted) IF: 7.2
22. Das D, Thacker H, Priya K, Jain M, Singh S, Rai G. Complement component 5a receptor 1 and leukotriene B4 receptor 1 regulate neutrophil extracellular trap (NET) formation through Rap1a/B-Raf/ERK signaling pathwayand their deficiency in term low birth weight newborns leads to deficient NETosis. Int Immunopharmacol.2024 Sep 19;142(Pt B):113165. doi: 10.1016/j.intimp.2024.113165. Epub ahead of print. PMID: 39303536. IF:5
23. Priya K, Thacker H, Chaubey M, Rai M, Singh S, Rawat S, Giri K, Mohanty S, Rai G. Dexamethasone and IFN-γprimed mesenchymal stem cells conditioned media immune modulates aberrant NETosis in SLE via PGE2 andIDO. Frontiers of Immunology, 15:1461841. doi:10.3389/fimmu. 2024.1461841. IF: 7
24. Rai G, Das D, Priya K and Thacker H. Book Chapter: Clinical outcomes of Defective Hematopoiesis. Biochemical, Cellular, Molecular and Genomic Perspectives in Hematopoiesis. 2024, Apple Academic Press.https://doi.org/10.1201/9781003413059-7, PP 143-159, eBook ISBN: 9781003413059.
25. Sharma A, Priya K, Rai G, Kumar P, Khanna A, Tiwary S. Gene Expression Study in Venous Ulcer. Vascular Acta Phlebologica, 2024;25(3):163-9. IF: 1
26. Eram N, Sachan S, Singh J, Shreya, Dwivedi U, Das D, Rai G, Rajan M. Growth Factor Independence-1 (GFI-1) Gene Expression in Hematopoietic Stem Cell Lineage Differentiation in Low Birth Weight Newborns ComparedWith Normal Birth Weight Newborns at Term Pregnancy. Cureus. 2023 Dec 17;15(12):e50696. doi:10.7759/cureus.50696. PMID: 38239528; PMCID: PMC10796131 IF: 1.2
27. Pratap S, Meena H, Sharma SK, Sonkar VK, Kumar S, Kumar H. Synthesis and Study of pH Independent L-Cysteine Capped Zirconium Oxide Quantum Dots as a Potential Bio-Imaging Probe Using HeLa Cells. J Fluoresc. 2025 Mar 4. doi: 10.1007/s10895-025-04216-y. Epub ahead of print. PMID: 40038138.
28. Amit K. Singh, Pranjalee Yadav, Aayoosh Singh, Avanish K. Singh, Shashi K. Sharma, Vijay K. Sonkar and Singh VP. A coumarin-derived multi-faceted optical material with molecular logic gate for bioimaging.J. Mater. Chem. C, 2025,13, 12388-12399
29. Singh AK, Singh AK, Sharma SK, Sonkar VK, Singh VP. A highly selective coumarin-based chemosensor for dual sensing of Cu2+ and Zn2+ ions with logic gate integration and live cell imaging. Anal Methods. 2024 Jul 11;16(27):4551-4560. doi: 10.1039/d4ay00594e. PMID: 38912555.
30. Ahmed A, Patil G, Sonkar VK, Jensen M, Streeter J, Dayal S. Loss of endogenous Nox2-NADPH oxidase does not prevent age-induced platelet activation and arterial thrombosis in mice. Res PractThrombHaemost. 2024 Oct 18;8(7):102597. doi: 10.1016/j.rpth.2024.102597. PMID: 39582807; PMCID: PMC11585761.
31. Gupta P, Gupta RK, Gandhi BS, Singh P (2024) Differential binding of CREB and REST/NRSF to NMDAR1 promoter is associated with the sex-selective cognitive defcit following postnatal PBDE-209 exposure in mice. Environmental Science and Pollution Research. 31:39710-38722. (ISSN: 1614-7499)
32. Gupta P, Rai A, Mishra S, Gupta RK (2025) Traumatic brain injury: an emerging threat for HIV-associated neurocognitive disorder, in Neuropsychiatric Complications of HIV: A Challenging Health Concern, edited by Anchal Singh, 1st edition Academic Press, USA. pp 213-233. (ISBN – 9780128188514; eBook ISBN: 9780128188521)

Books and Book Chapters

1. Jyoti Singh, Bappi Sarkar, Ashim Mukherjee and MousumiMutsuddi (2024). Protein Metabolism: Critical factors implicated in neurodegenerative diseases. "Altered Metabolism: A Major Contributor of Comorbidities in Neurodegenerative Diseases". Namita Agrawal (Ed), Springer-Nature, ISBN 978-981-97-4287-5
2. Dipti Verma, Arnab Sen, Pratikshya Sahoo, MousumiMutsuddi and Ashim Mukherjee (2024). Signaling pathways in neurodegeneration. "Altered Metabolism: A Major Contributor of Comorbidities in Neurodegenerative Diseases". Namita Agrawal (Ed), Springer-Nature, ISBN 978-981-97-4287-5

Department of Physics

1. Singh, S. and Singh, R.K, Thermodynamic model to investigate the dielectric characteristics of phase B1 of banana-shaped liquid crystals, Physics of Fluids, 37, 015153, 06 January, 2025. https://doi.org/10.1063/5.0247203, 1089-7666.
2. Patel, A., Tiwari, A., Singh, S.S.P., Yadav, V., Jaiswal, T., Kruk, D., Pai, R.K. and Singh, R.K.,Sponge-Like Porous Sustainable Hard Carbon as An Efficient Anode for Sodium-Ion Batteries. Materials Research Bulletin, 192, 113632, 18 June 2025. https://doi.org/10.1016/j.materresbull.2025.113632,1873-4227.
3. Samriddhi, Patel, A., Tiwari, A., Singh, S.P., Yadav, V., Tiwari, R.K. and Singh, R.K.,Hydrothermal assisted RGO wrapped fumed silica-sulfur composite for an advanced room-temperature sodium-sulfur battery, Journal of Energy Storage, 99, 113260, 1 October, 2024. https://doi.org/10.1016/j.est.2024.113260,2352-1538.
4. Yadav, V., Patel, A., Tiwari, A., Samriddhi, Singh, S.P., Mishra, R. and Singh, R.K., A novel hybrid sodium ion capacitor based on Na [Ni0.60Mn0.35Co0.05]O2 battery type cathode and presodiated D-Ti3C2Txpseudocapacitive anode, Journal of Alloys and Compounds, 1006, 176326, 25 November, 2024, https://doi.org/10.1016/j.jallcom.2024.176326,1873-4669.
5. Mishra, R., Patel, A., Tiwari, A., Samriddhi, Singh, S.P., Yadav, V., Tiwari, R.K. and Singh, R.K., Enhanced Electrochemical Performance of Mg-Doped P2–Na0.7 [Ni0.3Mn0.6Fe0.1]O2 Cobalt-Free Cathode Materials for Sodium-Ion Batteries. ACS Applied Energy Materials,7(15), 6736-6745, 24 July, 2024, https://doi.org/10.1021/acsaem.4c01355, 2574-0962.
6. Patel, A., Mishra, R., Tiwari, R.K., Tiwari, A., Samriddhi, Singh, S.P., Yadav, V. and Singh, R.K, Nitrogen-Doped Bioderived Mesoporous Hard Carbon as a Promising Anode for Long-Life Sodium-Ion Battery. Energy & Fuels, 38, 11262−11274, 4 June, 2024. https://doi.org/10.1021/acs.energyfuels.4c01548,1520-5029.
7. Mishra, R., Tiwari, R.K., Patel, A., Tiwari, A. and Singh, R.K., A twofold approach for prolonging the lifespan of cobalt-free Na[Ni0.55Mn0.35Fe0.1]O2 cathode via Bi5+-doping and Bi2O3 coating in sodium ion batteries. Journal of Energy Storage, 77, 110058, 30 January, 2024. https://doi.org/10.1016/j.est.2023.110058, 2352-1538.
8. Tiwari, A. and Kumar Singh, R., Na3Zr2Si2PO12-Polymer Composite Electrolyte for Solid State Sodium Batteries, ChemPhysChem, 25(24), 202400620, 16 December, 2024. https://doi.org/10.1002/cphc.202400620, 1439-7641.
9. Singh, S.P., Patel, A., Tiwari, A., Yadav, V., Mishra, R., Tiwari, R.K. and Singh, R.K., Enhanced electrochemical performance of K0.67[Ni0.3Mn0.6Co0.1]O2 as a cathode material for secondary K-Ion batteries: Improved K-Ion insertion and reduced charge transfer barrier, Surfaces and Interfaces, 55, 105316, 22 October, 2024.https://doi.org/10.1016/j.surfin.2024.105316, 2468-0230.
10. Singh, S.P., Masiewicz, E., Singh, R.K., Chaurasia, S.K. and Kruk, D., Dynamics of ionic liquid–polymer gel membranes—Insight from NMR relaxometry for [BMIM][BF4]–PVDF-HFP systems,The Journal of Chemical Physics 161(17), 174901,04 November, 2024, https://doi.org/10.1063/5.0231727, 1089-7690
11. Masiewicz, E., Markiewicz, R., Singh, R.K., Chaurasia, S.K. and Kruk, D. , Cation–Cation, Cation–Anion, and Anion–Anion Translation Diffusion in Ionic Liquids— Insight from NMR Relaxometry, The Journal of Physical Chemistry B, 129(1), 318-328, 17 December, 2024. https://doi.org/10.1021/acs.jpcb.4c05069, 1520-5207
12. Kruk, Danuta, ElzbietaMasiewicz, RoksanaMarkiewicz, and Rajendra Kumar Singh. "Dynamics of ionic liquids by means of nuclear magnetic resonance relaxation–overview of theoretical approaches." Physical Chemistry Chemical Physics, 26, 27248-27259, 01 Oct, 2024, https://doi.org/10.1039/D4CP03183K,1463-9084.
13. Abha Singh, Rahul Chhimpa, and Avinash Chand Yadav, 1/f noise in the Robin Hood model,Journal of Statistical Mechanics: Theory and Experiment 2024, 093203 (2024). https://iopscience.iop.org/article/10.1088/1742-5468/ad72d9
14. Rahul Chhimpa, Abha Singh, and Avinash Chand Yadav, Fitness noise in the Bak-Sneppen evolution model in high dimensions,Physical Review E 110, 034130 (2024). https://journals.aps.org/pre/abstract/10.1103/PhysRevE.110.034130
15. Abdul Quadir, Rahul Chimpa, Haider Hassan Jafri, and Avinash Chand Yadav, Neuronal avalanches in level model under the influence of noisy drive,The European Physics Journal B 97, 152 (2024). https://link.springer.com/article/10.1140/epjb/s10051-024-00794-1
16. Rahul Chhimpa and Avinash Chand Yadav, Scaling behavior in the number theoretic division model of self-organized criticality, Physical Review E 111, 024108 (2025).https://journals.aps.org/pre/abstract/10.1103/PhysRevE.111.024108
17. Rahul Chhimpa and Avinash Chand Yadav, 1/f noise in the Ising model, Physical Review E 111, 064130 (2025).https://doi.org/10.1103/4bpx-t6cq
18. Rahul Chhimpa, Abha Singh, and Avinash Chand Yadav,Correlation time in extremal self-organized critical models, The European Physics Journal B 98, 135 (2025). https://doi.org/10.1140/epjb/s10051-025-00988-1
19. Kumar, A., Arya, V., Pathak, A., Trivedi, S., Guin, D., & Tripathi, C. S. P. (2025). Enhanced Visible Light Photocatalytic Performance of CeO2@ Acidified g-C3N4 Nanoheterostructures for RhB Degradation. Langmuir.
20. Dogra, P., Srivastava, M., Sagar, P., Tripathi, C. S. P., & Srivastava, S. K. (2025). Wireless & portable smartphone assisted electrochemical platform for on-site monitoring of chloramphenicol drug. Biosensors and Bioelectronics, 117694.
21. Swarnakar, M., Mandal, P. S., Ali, M., Tripathi, C. S. P., Mukherjee, S., Banerjee, A., ... & Chowdhury, M. P. (2025). Novel Hall voltage-assisted enhanced ammonia sensing properties of polyaniline/zinc ferrite composite-based sensor. Journal of Environmental Chemical Engineering, 13(3), 116287.
22. Swarnakar, M., Mandal, P. S., Ali, M., Tripathi, C. S. P., Mukherjee, S., Banerjee, A., ... & Chowdhury, M. P. (2025). Novel Hall voltage-assisted enhanced ammonia sensing properties of polyaniline/zinc ferrite composite-based sensor. Journal of Environmental Chemical Engineering, 13(3), 116287.
23. Saini, Y. K., Mahich, S., Gupta, S., Kumar, R., Tripathi, C. S. P., Kumar, A., ... & Singh, A. (2025). Bandgap Modulation of Hydrothermally Synthesized CZTS Nanoparticles through Ni Incorporation. Journal of Electronic Materials, 1-10.
24. Mandal, P. S., Swarnakar, M., Ali, M., Tripathi, C. S. P., Adhikari, S. K., Chatterjee, S., & Chowdhury, M. P. (2025). Synergistic effects of zinc titanates on electroactive γ-phase formation and tuning the piezoelectric properties of PVDF. Journal of Alloys and Compounds, 1021, 179535.
25. Kumari, R., Chandrakar, N., Choudhary, D., Guin, D., & Tripathi, C. S. P. (2025). Photocatalytic degradation of rhodamine B and methylene blue dyes using tungsten oxide/barium titanate nanocomposite. Environmental Science and Pollution Research, 32(18), 11535-11549.
26. Kumar, A., Ali, M., Pathak, A., Guin, D., & Tripathi, C. S. P. (2025). CeO2 Nanocubes as an Electrochemical Sensing Platform for Simultaneous Detection of Dopamine and Acetaminophen. Journal of The Electrochemical Society, 172(3), 037520.
27. Sharma, S., Sharma, K., Majhi, S., Tripathi, C. S. P., & Guin, D. (2024). Facile synthesis of Ag NPs@ MgO nanosheets for quantitative SERS-based detection and removal of hazardous organic pollutants. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 323, 124885.
28. Singh, R., Ali, M., Sharma, K., Dhyani, P., Goyal, C., Tripathi, C. S. P., & Guin, D. (2024). Ultrasound-activated piezocatalytic degradation of Rhodamine B, Ofloxacin, and inactivation of E. coli by BaTiO3/CuO nanocomposites. Journal of Environmental Chemical Engineering, 12(6), 114741.

29. Singh, R., Kumari, R., Tripathi, C. S. P., & Guin, D. (2024). Copper oxide nanosheets as an effective nanozyme with haloperoxidase-like activity for the colorimetric detection of H2O2 and glucose. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 321, 124720.
30. Ali, M., Singh, R., Guin, D., & Tripathi, C. S. P. (2024). BaTiO3-MoS2 Nanocomposite as a New Peroxidase Mimic for the Colorimetric and Smartphone-Assisted Detection of H2O2. Journal of Cluster Science, 35(7), 2393-2404.
31. Kumari, R., Kumar, A., Tripathi, R., Guin, D., & Tripathi, C. S. P. (2024). Fabrication of g-C3N4/WO3 nanocomposite for efficient visible light photocatalytic degradation of rhodamine B and electrochemical sensing of 2-nitrophenol. Catalysis Letters, 154(9), 5086-5100.
32. Ali, M., Singh, R., Kumari, R., Guin, D., & Tripathi, C. S. P. (2024). Enhanced piezocatalytic degradation of mixed organic dyes using BaTiO3–MoS2 heterostructure nanocomposites: a mechanistic investigation. Materials Science in Semiconductor Processing, 178, 108454.
33. Multi-instrument study of the response of intense solar flares during the descending period of the 24th solar cycle, J. Majumdar, K. Tiwari and A. K. Singh, Advances in Space Research,74, 371-384, 2025 https://doi.org/10.1016/j.asr.2025.04.063 (IF: 2.8).
34. Long-Term Impact of Aerosols and Climate Variability on Rice Yields Across Agroclimatic Zones in India, D. K. Gupta, S. Pramanick, A. K. Singh, D. K. Singh, A. Tariq, H. A. Halwani, Y. Alsubhi, A. S. Hantoush, Earth Systems and Environment, 2025 (IF: 5.3) In Press.
35. Study of ionospheric response to an intense geomagnetic storm of 26 August 2018 over low latitudes and Polar regions, U. Pandey, S. Kumar, J. Mallik, and A. K. Singh, J. Atmospheric & Solar-Terrestrial Physics, 269, 2025 (IF: 1.8).
36. Variation of aerosol optical and physical properties and their impact on rainfall over Indo-Gangetic Basin A. Kumar, S. Singh, P. K. Chauhan, G. Sharma, V. Pratap and A.K. Singh, Meteorology and Atmospheric Physics, 137, 25, 2025 (IF: 1.9).
37. Nighttime and seasonal variation of lower ionospheric parameters using tweek analysis during minimum solar activity period over low latitude, K. Tiwari, S.B. Singh, A. K. Singh, J. Atmospheric & Solar-Terrestrial Physics, 269, 106476, 2025 (IF: 1.8).
38. Response of low-latitude lower ionosphere during solar flare events over the complete solar cycle 24, G. Tripathi, Ashutosh K. Singh, P. Singh, A. K. Singh, Acta Geodaetica et Geophysica, 2025 (IF: 1.4).
39. Long-term Spatio-temporal Vegetation Dynamics to Climate Change in Koppen Climatic Regions of India, R. Tiwari, D. K. Gupta, P. K. Chauhan, A. K. Singh, Earth Systems and Environment, 8, 1327–1346, 2024 https://doi.org/10.1007/s41748-024-00504-y (IF: 5.3).
40. Characterization and Impact of Airborne Particulate Matter over Varanasi: A Year-Long Study on Concentration, Morphology, and Elemental Composition, P. K. Chauhan, D. K. Gupta, and A. K. Singh, Physics and Chemistry of the Earth, 136, 103782, 2024 (IF: 3.0).
41. Assessment of equivalent black carbon variations and its source apportionment over Varanasi, Indo-Gangetic Basin, P. K. Chauhan, S. Tiwari, D. K. Gupta, A. Kumar, V. Pratap, A. K. Singh, Atmospheric Pollution Research, 15, 102061, 2024, https://doi.org/10.1016/j.apr.2024.102061 (IF: 4.5).
42. Intensification mechanisms and moisture dynamics of Super Cyclonic Storm 'Amphan' over the Bay of Bengal: Implications for Aerosol Re-distribution, V. Singh, A. K. Srivastava, A. Gupta, R. T. Konduru, A. Singh, S. Singh, A. Kumar, D. S. Bisht &A. K. Singh, Science of the Total Environment, 951, 175501, 2024 (IF: 8.2).
43. Heliospheric Effect on Solar Activity Parameters during Maximum Phase of Solar Cycle 24 (2012-2015), P. R. Singh, U. K. S. Kushwaha, A. K. Singh, Research in Astronomy and Astrophysics, 24, 125001, 2024 DOI:10.1088/1674-4527/ad8d1d (IF: 1.8).
44. Vulnerability assessment of aerosol and climate variability for rice and maize yield using EO datasets for sustainable agriculture over India, D.K. Gupta, S. Pramanick, Environ. Monit. Assess. 196, 714, 2024. https://doi.org/10.1007/s10661-024-12862-1 (IF: 2.9).
45. Occurrence of ionospheric scintillations under different solar and geomagnetic conditions over Low Latitude station Varanasi, M. Mondal, S. Kumar, S. Banola and A. K. Singh, Advances in Space Research, 73, 3658-3674, 2024 https://doi.org/10.1016/j.asr.2023.12.050 (IF: 2.6).
46. Long-Term Spatiotemporal Investigation of Various Rainfall Intensities over Central India Using EO Datasets, N. Awasthi, J. N. Tripathi, G. P. Petropoulos, P. Kumar, A. K. Singh, K. K. Dakhore, K. Ghosh, D. K. Gupta, P. K. Srivastava, K. Kalogeropoulos, S. Singh and D. K. Singh, Hydrology, 11. 27. 2024 https://doi.org/10.3390/hydrology11020027 (IF: 3.2).
47. Variation in the flaring potential of different sunspot groups during different phases of Solar Cycles 23 & 24, A. Singh, A. Chaudhari, G. Sharma, A. K. Singh, Res. Astronomy Astrophysics, 24, 025012, 2024 https://doi.org/10.1088/1674-4527/ad1922 (IF: 1.8).
48. Variation of aerosol parameters (AI, AOD) and SO2 over Indo-Gangetic basin during COVID-19 outbreaks, A Kumar, V Pratap, S N Singh and A K Singh, Ind. J. Physics, 98 (1), 31-40, 2024 https://doi.org/10.1007/s12648-023-02802-z (IF: 2.0).
49. Detection of Tsunami- induced Ionospheric Disturbances Using GNSS Measurements, S. Kumar, A. Mishra, and A. K. Singh in the book "GNSS Applications, Challenges and Future Prospective for Earth Observations", Eds: D.K. Gupta & A. K. Singh, Taylor and Francis Pub, 104-113, 2025.
50. Monitoring of Sea Level Variations Using GNSS Technology, Ashutosh K. Singh and A. K. Singh in the book "GNSS Applications, Challenges and Future Prospective for Earth Observations", Eds: D.K. Gupta & A. K. Singh, Taylor and Francis Pub, 161-171, 2025.
51. Characteristic of Ionospheric Irregularities Using GNSS Measurements over Indian EIA Region Varanasi, M. Rajput, M. Mondal, and A. K Singh in the book "GNSS Applications, Challenges and Future Prospective for Earth Observations", Eds: D.K. Gupta & A. K. Singh, Taylor & Francis Pub, 241-250, 2025.
52. GPS TEC Response During the Solar Flare, S. S. Rao and A. K. Singh in the book "GNSS Applications, Challenges and Future Prospective for Earth Observations", Eds: D.K. Gupta & A. K. Singh, Taylor & Francis Pub, 280-288, 2025.
53. A comprehensive study of radiation shielding parameters of chalcogens-rich quaternary alloys for nuclear waste management, Kaushal K. Sarswat, Shiv Kumar Pal, Ziad Khattari, A. Dahshan, and Neeraj Mehta, Optical Materials, 157 (2024) 116253. https://doi.org/10.1016/j.optmat.2024.116253
54. Radiation shielding competence of SeTeSnIn chalcogenide glassy system: resistance against gamma irradiation, Kaushal K. Sarswat, Shiv Kumar Pal, Ziad Khattari, A. Dahshan, and Neeraj Mehta, PhysicaScripta, 99 (2024) 085998. https://doi.org/10.1088/1402-4896/ad63e3
55. Exploring dielectric and AC conduction characteristics in elemental selenium glass modified with silver halides, Anil Kumar, Vishnu Saraswat, A. Dahshan, H. I. Elsaeedy, and Neeraj Mehta, RSC Advances, 14 (2024) 20933-20950. https://doi.org/10.1039/D4RA02999B
56. Thermal stability, glass-forming ability, and fragility nature of phase-change alloys of Se90Pb10−xSnx (0 ≤ x ≤ 8) system, Mousa M. A. Imran, Omar A. Lafi, Amal Rabah, A. Al-Bqoor, A. Dahshan, H. I. Elsaeedy, and N. Mehta, Journal of Thermal Analysis and Calorimetry, 149 (2024) 7205–7214. https://doi.org/10.1007/s10973-024-13282-6
57. Synthesis of multiple layers of alternating ZnO and TiO2 using atomic layer deposition and their optical characterization, S.S. Fouad, H.E. Atyia, E. Baradács, Z. Erdélyi, and Neeraj Mehta, Optical Materials, 151 (2024) 115368. https://doi.org/10.1016/j.optmat.2024.115368
58. High-energy radiation shielding characteristics of SeTeSnZn chalcogenide glasses (STSZ ChGs), Vishnu Saraswat, A. Dahshan, Z. Khattari, and Neeraj Mehta, Progress in Nuclear Energy, 173 (2024) 105224. https://doi.org/10.1016/j.pnucene.2024.105224
59. Unraveling the influence of some foreign elements on microhardness and thermomechanical characteristics of SeTeSn alloy, Vishnu Saraswat, and Neeraj Mehta, The European Physical Journal Plus, 139 (2024) 1044 https://doi.org/10.1140/epjp/s13360-024-05857-x
60. Tailoring of dielectric behavior and a.c. conduction in binary Se80Te20 glass by incorporation of transition metals (Fe, Co, Ni, Cu), Nisha Kumari, Vishnu Saraswat, A. Dahshan, and Neeraj Mehta, Journal of Materials Science: Materials in Electronics, 35 (2024) 2120. https://doi.org/10.1007/s10854-024-13801-z
61. Kinetic modeling and iso-conversional analysis of glass-ceramics of selenium doped with carbon nanomaterials, Sachin Kumar Yadav, Shiv Kumar Pal, A. Dahshan, and Neeraj Mehta, PhysicaScripta, 100 (2024)015934. https://doi.org/10.1088/1402-4896/ad9645
62. Analysis of high-energy radiation shielding features of SeTeSn glass after incorporation of bismuth, Vishnu Saraswat, Z. Khattari, and Neeraj Mehta, Materials Today Communications 39 (2024) 108995. https://doi.org/10.1016/j.mtcomm.2024.108995
63. Linearization and Characterization of the Wemple–DiDomenico model of ZnO/Ni/ZnO tri-layer thin films prepared by ALD and DC Magnetron sputtering, S.S. Fouad, E. Baradacs, M. Nabil, A. Sharma, N. Mehta, and Z. Erdelyi, Journal of Alloys and Compounds 990 (2024) 174348. https://doi.org/10.1016/j.jallcom.2024.174348
64. Unraveling the influence of some foreign elements on microhardness and thermomechanical characteristics of SeTeSn alloy, Vishnu Saraswat, and Neeraj Mehta, Eur. Phys. J. Plus, 139 (2024) 1044. https://doi.org/10.1140/epjp/s13360-024-05857-x
65. A comprehensive iso-conversional analysis of recrystallization in Se78-xTe20Sn2Mx (x = 0, 2; M = In, Ge, Sb, and Pb) alloys, Kaushal Kumar Sarswat, A. Dahshan, and N. Mehta, Physica B 699 (2025) 416854. https://doi.org/10.1016/j.physb.2024.416854
66. Tuning resistive switching behavior and conduction mechanism in Se80Te20 alloy with Fe, Co, Ni, and Cu additives, Nisha Kumari, Vishnu Saraswat, A. Dahshan, and Neeraj Mehta, PhysicaScripta, 100 (2025) 025535. https://doi.org/10.1088/1402-4896/adab3c
67. Thermo-Mechanical Behavior of Se-Te-Sn-In Glass-Ceramic Alloys: Influence of Indium Concentration and Micro-Indentation Load, Kaushal Kumar Sarswat, A. Dahshan, and Neeraj Mehta, Materials Chemistry and Physics, 334 (2025) 130452.
68. https://doi.org/10.1016/j.matchemphys.2025.130452
69. Impact of Metal Doped (Ag, Bi, Cd, Zn) on the Structural and Optical Properties of SeTeSn Thin Films Fabricated via Thermal Evaporation, Vishnu Saraswat, Nisha Kumari, S. Fouad, H. Atiya, and Neeraj Mehta, Journal of Alloys and Compounds, 1017 (2025) 178933. https://doi.org/10.1016/j.jallcom.2025.178933
70. Tuning Dielectric, Mechanical, and Electrical Properties in rGO/Graphite-Reinforced Selenium Nanocomposites. Sachin Kumar Yadav, A. Dahshan, and Neeraj Mehta
71. Ceramics International, 51 (2025) 18013–18028. https://doi.org/10.1016/j.ceramint.2025.01.578
72. 3D Nanocomposites of β-TCP-H3BO3-Cu with Improved Mechanical and Biological Performances for Bone Regeneration Applications, S. K. Avinashi, R. K. Mishra, Shweta, S. Kumar, A. Shamsad, S. Parveen, S. Sahu, S. Kumari, Z. Fatima, S. K. Yadav, M. Banerjee, M. Mishra, N. Mehta, and C. R. Gautam, Scientific Reports, 15 (2025) 3224. https://doi.org/10.1038/s41598-025-87988-4
73. Thermo-mechanical and physicochemical features in Pseudo-binary Se-AgX chalcogenide glassy system, Anil Kumar, A. Dahshan, and Neeraj Mehta, Solid State Sciences, 162 (2025) 107861. https://doi.org/10.1016/j.solidstatesciences.2025.107861
74. Exploring dielectric and conductive behavior in Indium-doped Se78−xTe20Sn2Inx (0 ≤ x ≤ 6) chalcogenide glasses, Kaushal Kumar Sarswat, Vishnu Saraswat, A. Dahshan, and N. Mehta, The European Physical Journal Plus, 140 (2025) 201. https://doi.org/10.1140/epjp/s13360-025-06150-1
75. A thermodynamic approach to indium-enriched Se-Te-Sn alloy systems, Kaushal Kumar Sarswat, A. Dahshan, and Neeraj Mehta, Next Materials 8 (2025) 100603.https://doi.org/10.1016/j.nxmate.2025.100603
76. Crystallization Temperature Predictions in Phase-Change Materials Using a Novel Approach, Kaushal Kumar Sarswat, Ishu Sharma, A. Dahshan, and Neeraj Mehta, Materials Letters, 390 (2025) 138439. https://doi.org/10.1016/j.matlet.2025.138439
77. "Structural, Optical and Electronic properties of NixCd1-xS Quantum Dots: Implications for Photodetection Applications", Nikita kumari, Sandeep Dahiya, ChetnaGautam, PiyaliMaity, Sandip Chatterjee, BholaNath Pal, Anup K. Ghosh, ACS Appl. Nano materials (Accepted)
78. Insight into charge conduction and relaxation in La2-xCaxFeMnO6 solid solution double perovskites." BaniyaMeena, Sandeep Chatterjee, and Anup K. Ghosh, J. Alloys & Compounds, (DOI: 10.1016/ j.jallcom. 2025. 182341)
79. "Physical properties of Fe-doped CdS quantum dots: Single dot rectifying diode application", PiyaliMaity, Ravi Kumar, S. N. Jha, D. Bhattacharyya, Sandip Chatterjee, BholaNath Pal, and Anup K Ghosh, RSC Applied Interfaces, 2025 (DOI: 10.1039/D4LF00337C)
80. "Structural, dielectric, and electrical transport properties of La2FeMnO6 double Perovskite for multifunctional applications", BaniyaMeena, Mohamad Alam, Sandeep Chatterjee, and Anup K. Ghosh,

Ceramics International, 51,7305-7320, (2025) (DoI: 0.1016/j.ceramint.2024.12.166)

81. "Electrical and magnetic properties of double perovskite Y2-xCaxCoMnO6 (x = 0.1, 0.2, 0.5)", Dheeraj Kumar; MohdAlam; Prajyoti Singh; Srishti Dixit; A. K. Ghosh; Sandip Chatterjee, J.Mat. Sc.: Materials in Electronics, 35:1670 (2024), (DOI:10.1007/s10854-024-13399-2).
82. "Wafer scale growth of single crystal two-dimensional van der Waals materials", ChetnaGautam, BaishaliThakurta, Monalisa Pal, Anup K Ghosh* and AnupamGiri*, Nanoscale 16, 5941-5959, (2024)
83. Ravindra Singh, Ramnarayan, Priyanka Yadav and Surendra Prasad*,Dispersion and dissipation of shear horizontal wave in magneto-electro-elastic material loaded with complex magnetic viscous fluid, Physica Scripta, Vol. 100 (7), 075009 (2025), https://doi.org/10.1088/1402-4896/ada11d
84. Priyanka Yadav, Ravindra Singh, Ramnarayan, Surendra Prasad*, Modelling and optimization of TiO2based two-dimensional photonic crystal for salinity detection in water, Optik, Vol. 322, 172193 (2025), https://doi.org/10.1016/j.ijleo.2024.172193
85. Ramnarayan, Ravindra Singh, Priyanka Yadav, Mahendra Kumar, Surendra Prasad*, Numerical modelling of the surface plasmon modes of a circular cylindrical three-layer graphene waveguide, J Comput Electron 24, 15 (2025). https://doi.org/10.1007/s10825-024-02250-w, Q2 Journal-Scopus indexed
86. Ramnarayan, Ravindra Singh, Priyanka Yadav, Yogesh Sharma , Surendra Prasad, Modulation of hybrid plasmon phonon polaritons mode in circular cylindrical three-layer graphene waveguide, Optik, Vol. 319, 172110, 2024, https://doi.org/10.1016/j.ijleo.2024.172110, Q1 Journal-Scopus indexed
87. Ravindra Singh, Surendra Prasad*, Modelling of shear horizontal waves propagation in magneto-electro-elastic substrate loaded with complex conductive fluid, Mechanics of advanced materials and structures,Vol. 31, 12250-12264, 2024,DOI:https://doi.org/10.1080/15376494.2024.2319097, I.F.-3.6, , Q1 Journal-Scopus indexed.
88. Ravindra Singh, Surendra Prasad*, Shear horizontal wave dispersion in two phase magneto-electro-elastic material loaded with viscoelastic fluid layer, Physica Scripta, Vol. 99(2), 025920, 2024; https://doi.org/10.1088/1402-4896/ad185d, I.F. – 2.9, Q1 Journal-Scopus indexed
89. Engineered ultra-luminous La/YPO4: Eu3+ nanophosphors for advanced security ink and latent fingerprint (LFPs) detection, P Kumar, PK Vishwakarma, SB Rai, A Bahadur, Journal of Alloys and Compounds 1009, 176827, Dec. 2024, ISSN: 0925-8388.
90. 2.Energy transfer characteristics in Tb (III)–2, 5-dihydroxybenzoic acid complex, PK Vishwakarma, SB Rai, A Bahadur, Materials Chemistry and Physics 324, 129704, Sept. 2024, ISSN: 0254-0584.
91. Bijendra K Vishvakarma, Shubham Kala and Sanjay Siwach, Strong gravitational lensing by Bardeen black hole in cloud of strings,Annals Phys. 475 (2025) 169957.
92. A Swain, ND Anthuparambil, N Begam, S Chandran, JK Basu, Harnessing interfacial entropic effects in polymer grafted nanoparticle composites for tailoring their thermo-mechanical and separation properties, Soft Matter 2025, DOI: 10.1039/D4SM01549E, 21, 18, 3443-3472.
93. N D Anthuparambil, S Timmermann, M Dargasz, S Retzbach, M D Senft, N Begam, A Ragulskaya, M Paulus, F Zhang, F Westermeier, M Sprung, F Schreiber, C Gutt, Salt induced slowdown of kinetics and dynamics during thermal gelation of egg-yolk, The Journal of Chemical Physics, 2024, https://doi.org/10.1063/5.0219004, 161, 5.
94. Himanshu Meena,Saurabh Mishra, Devanand Gupta, Baniya R. Meena, Horesh Kumar, Effect of Bi modification on structural and dielectric properties of selenium-richSe-In chalcogenideglasses, Ceramics International, Vol.51, 12634-12644, 2025
95. Saurabh Mishra, Himanshu Meena, Horesh Kumar, Effect of sulphur (S) incorporation on structural and electrical properties of selenium-rich ternary chalcogenide Se97-xSn3Sx (x=0, 4, 8, and 12) alloys, Journal of Alloys and Compounds, Vol.1020, 179454, 2025
96. Surya Pratap, Sundeep Kumar, Horesh Kumar, Improved antimicrobial efficacy of copper-engineered zirconium oxide nanoparticles against some foodborne bacterial strains, synthesised via a facile hydrothermal method, Surfaces and Interface, vol.58, 105878, 2025
97. R.K. Prajapati, Pooja Rawat, Horesh Kumar, A.L. Saroj, Chitosan-PVA-Mg (NO3)2 based biopolymer blend electrolyte membranes for EDLC applications: Structural, thermal and electrical transport properties study, Materials Science and Engineering B, vol.317, 118200, 2025
98. Surya Pratap, Himanshu Meena, Shashi Kant Sharma, Vijay Kumar Sonkar, Sundeep Kumar, Horesh Kumar, Synthesis and Study of pH Independent L-Cysteine Capped Zirconium Oxide Quantum Dots as a Potential Bio-Imaging Probe Using HeLa Cells, Journal of Fluorescence, https://doi.org/10.1007/s10895-025-04216-y, 2025
99. Amarendra Kumar Singh, Devananda Gupta, Sanjay Kumar Mishra, Horesh Kumar, Structural and optical studies of chalcogenide (Ge22As20Se58) doped with rare-earth Eu3+ and Y3+ ions, Journal of Optics, https://doi.org/10.1007/s12596-025-02636-4, 2025
100. Akshay Kumar, Tanya Singh Raghuvanshi, Surya Pratap, Horesh Kumar, Bhanu Prakash, Nanofabrication of citronellal with chitosan biopolymer to boost its efficacy against aflatoxin B1 and Aspergillus flavus mediated biodeterioration of active ingredient of Piper longum, Food Chemistry, vol.449, 139240, 2024
101. Pritam Das and Anirban Dutta, Insights from the analytical solution of a periodically driven transverse-field Ising chain, Phys. Rev. B 111, 045159 – Published 27 January, 2025, DOI: https://doi.org/10.1103/PhysRevB.111.045159
102. R. Kesarwani, A. Bhatnagar, S. K. Verma, M. Sterlin Leo Hudson and M. A. Shaz*, "Enhancement in hydrogen sorption behaviour of MgH2 catalyzed by graphene quantum dots", International Journal of HydrogenEnergy, 67, 2024, pp. 1026-1032. Impact Factor: 8.3
103. M.N.L. Suseela, A. K. Mehata, B. Vallamkoda, P. Gokul, A. Pradhan, Jyotsana Pandey, J. Selvin, M. Sterlin Leo Hudson, M. S. Muthu*, "Comparative evaluation of liquid-liquid extraction and nanosorbent extraction for HPLC-PDA analysis of cabazitaxel from rat plasma", Journal of Pharmaceutical and Biomedical Analysis, 245, 2024, p. 116149. Impact Factor: 3.1
104. Ramesh Achayalingam, Sourabh Basu, Prins Kumar Rao, Jyotsana Pandey, S. Nivetha, S. Jayachitra, and M. Sterlin Leo Hudson*, "Electrochemical capacitance and hydrogen adsorption behavior of activated carbon derived from Cattail fiber", Energy Storage, 6(1), 2024, p. e579. Impact Factor: 4
105. Biplab mondal, Vijayeta Pal, Satyendra Prakash Pal, Energy storage properties of Bi2O3-doped lead-free Ba0.85Ca0.15Zr0.1Ti0.9O3 ceramic and its switching and scaling behavior Ceramics International (Accepted, article in pres), Impact factor: 5.6, DOI: https://doi.org/10.1016/j.ceramint.2025.04.338
106. Surender, Vikas Kumar, Praveen C. Srivastava, " Study of beta/EC-decay properties of sd shell, nuclei using nuclear shell model",Annals of Physics 470, November 2024, 169772. https://doi.org/10.1016/j.aop.2024.169772
107. Aagrah Agnihotri, Vikas Kumar, and Jouni Suhonen, "Correlating the 0νββ-Decay Amplitudes of 136 Xe with the Ordinary Muon Capture (OMC) Rates of 136 Ba", Universe 11, March 2025, 138. https://doi.org/10.3390/universe11050138
108. Surender, Vikas Kumar, and Praveen C. Srivastava, "β−-decay half-life study for f 5/2 pg 9/2 shell nuclei", Proceedings of the DAE Symp. on Nucl. Phys. 68, December 2024, 67. https://www.sympnp.org/proceedings/68/A12.pdf
109. Surender, Vikas Kumar, and Praveen C. Srivastava, "β+/EC -decay half-life study for f5/2pg9/2 shell nuclei", Proceedings of the DAE Symp. on Nucl. Phys. 68, December 2024, 335.
110. Borah, A. J., Patel, A. K., Ali, A., Meiyazhagan, A., Ajayan, P. M., & Srivastava, A. (2025). Ti3C2Tx MXene based membranes: A novel approach for wastewater treatment. Journal of the Taiwan Institute of Chemical Engineers, 174, 106213.
111. Rai, S., Rai, S., Patel, A. K., & Srivastava, A. (2025). Optimizing Large-Area Growth of MoS2 Using Advanced Precursor Engineering: A Pathway to Scalable and High-Quality Synthesis. Crystal Growth & Design.
112. Teotia, S., Selvamani, V., Chaudhary, A., Gupta, T. K., Kumar, R., Srivastava, A., ... & Singh, B. P. (2025). Highly flexible flyash/multiwalled carbon nanotubes composite paper: A sustainable electrode for new generation Li-ion batteries. Next Energy, 8, 100267.
113. Kumar, P., Ali, A., Srivastava, A., & Kayastha, A. M. (2025). Watermelon (Citrullus lanatus) urease immobilized on chitosan-unzipped multi-walled carbon nanotubes (UZMWCNTs) nanobiocomposite for enhanced blood urea sensing. Journal of Molecular Liquids, 427, 127426.
114. Pandey, A., Verma, R., Singh, K. R., Singh, A. K., Singh, J., & Srivastava, A. (2025). Electrochemical behavior of ReSe2 nanosheets for efficient determination of sodium azide for assessing environmental aspects. Inorganic Chemistry Communications, 114675.
115. Pratap, R., Singh, A. K., Rai, S., Mishra, A. K., Singh, J., Giri, R., & Srivastava, A. (2025). Investigations on structural, microstructural, dielectric and electrical conductivity of the ZnO-MWCNTs nanocomposite synthesized via sol-gel method. Oxford Open Materials Science, 5(1), itaf006.
116. Borah, A. J., Natu, V., Biswas, A., & Srivastava, A. (2025). A review on recent progress in synthesis, properties, and applications of MXenes. Oxford Open Materials Science, 5(1), itae017.
117. Rai, S., & Srivastava, A. (2024). Low-temperature photoluminescence and Raman study of monolayer WSe2 for photocarrier dynamics and thermal conductivity. Journal of Applied Physics, 136(15).
118. Prakash, A., Yadav, S., Saxena, P. S., & Srivastava, A. (2024). Development of folate-conjugated polypyrrole nanoparticles incorporated with nitrogen-doped carbon quantum dots for targeted bioimaging and photothermal therapy. Talanta, 278, 126528.
119. Pratap, R., Rai, S., Srivastava, A., & Bhattacharya, S. (2024). Synthesis of an Organotin S-thiobenzoylthioglycolate Complex and its Application as a Single Source Precursor to SnS2 Thin Film. European Journal of Inorganic Chemistry, 27(27), e202400297.
120. Alsharabi, R. M., Singh, J., Saxena, P. S., & amp; Srivastava, A. (2024). Ultra-sensitive electrochemical immunosensor based on 2D vanadium diselenide (VSe2) for efficient detection of pathogens: Salmonella Typhimurium. Luminescence, 39(9), e4896.
121. Kumar, P., Patel, A. K., Srivastava, A., & Kayastha, A. M. (2024). Enhancing milk quality assessment with watermelon (Citrullus lanatus) urease immobilized on VS2-chitosan nanocomposite beads using response surface methodology. Food Chemistry, 451, 139447.
122. Patel, A. K., Vishwakarma, P. K., Giri, R., & Srivastava, A. (2024). Vanadium disulfide nanosheets based membrane for filter application. Journal of the Taiwan Institute of Chemical Engineers, 161, 105483.
123. Yadav, S., Prakash, A., Tiwari, P., Saxena, P. S., & Srivastava, A. (2024). Green synthesis of TiO2 nanoparticles using aqueous extract of the bark of Ficus religiosa and investigation of their role in antibacterial activity. Proceedings of the Indian National Science Academy, 1-12.
124. Kumar, A., Dutt, R., Srivastava, A., & Kayastha, A. M. (2024). Immobilization of α-amylase onto functionalized molybdenum diselenide nanoflowers (MoSe2-NFs) as scaffolds: Characterization, kinetics, and potential applications in starch-based industries. Food Chemistry, 442, 138431.
125. Alsharabi, R. M., Pandey, S. K., Singh, J., Kayastha, A. M., Saxena, P. S., & Srivastava, A. (2024). Ultra-sensitive electrochemical detection of glutamate based on reduced graphene oxide/Ni foam nanocomposite film fabricated via electrochemical exfoliation technique using waste batteries graphite rods. Microchemical Journal, 199, 110055.
126. Dutt, R., Srivastava, R. R., Mishra, H., & Srivastava, A. (2024). Observation of rapid decay and optical properties of micro-pyramidically grown molybdenum diselenide MoSe2 crystal. Optical Materials, 149, 115050.
127. Alsharabi, R. M., Patel, A. K., Singh, J., Saxena, P. S., & Srivastava, A. (2024). In situ decorated 2D vanadium disulphide on optimized reduced graphene oxide-based interface for highly sensitive nonenzymatic glutamate detection. Materials Chemistry and Physics, 314, 128890.
128. Dakshata Mandloi, Rabeet Singh, and Arup Banerjee, Calculation of electronic and response properties of hydrogen atom in soft confinement potential: a variational approach, Journal of Physics B: Atomic, Molecular and Optical Physics, 58, 115002, 2025
129. Rabeet Singh and Arup Banerjee, Modified Le Sech wave function for investigating confined two-electron atomic systems, The European Physical Journal D, 78, 126, 2024.
130. J. Miller, B. Yang, E. Kashefi, D. Sadhukhan, Inter-qubit Correlation of Readout Noise in, Near-Term Quantum Devices, Lecture Notes in Networks and Systems, Springer, vol. 1019, pp. 33 (2024), DOI: https://doi.org/10.1007/978-3-031-62273-1_3
131. "Toward Accurate Characterization of the Puzzling NSO and SNO Moieties", V. Barone, L. Uribe, S. Srivastav, Amit Pathak, ACS Earth and Space Chemistry, 2024, 8 (11), 2334.

132. "Square & H Metasurfaces for SPR Increasing in Long Wave-IR Absorber", S.K. Dubey, A. Kumar A. Kumar, Amit Pathak, S.K. Srivastava, Measurement, 2025, 240, 115615.
133. "Theoretical Investigation of Interstellar 3-Pyrroline: Formation, Rotational and Vibrational Spectroscopy", A. Pandey, A. Vats, S. Srivastav, Amit Pathak, K. A. P. Singh, Mon. Not. Royal, Astron. Soc., 2024, 533, 4150.
134. "Structural Modeling, Spectroscopic Signature and NBO Analysis of Octopamine and Its Radi-cal", N. Yadav, T. Yadav, A.K. Vishwkarma, S. Chakroborty, P.K. Tripathi, F.P. Pandey, Amit Pathak, M. Ansari, Macromolecular Symposia, 2024, 413 (2), 2300159.
135. "PDRs4All. VIII. Mid-infrared emission line inventory of the Orion Bar", Dries Van De Putte, Raphael Meshaka, Boris Trahin, Emilie Habart, Els Peeters. et al., including Amit Pathak, Astronomy & Astrophysics, 2024, 687, A86.
136. "Synthesis, crystal structures, and theoretical studies on bio-pertinent disulfides derived from methyl thiosalicylate and furan-2-thiocarboxylic acid and their interaction with native human lysozymes", K. Kumar, A.K. Vishwkarma, R. Pratap, S. Garai, Amit Pathak, R. Sharma, S. Bhattacharya, Chem. Papers, 2024, 78, 3721.
137. "The Study of ionospheric TEC variation during a geomagnetic storm over low and high-latituderegions", Mukulika Mondal, Jitesh Barman, and A. K. Singh, 2024, Conference: 6th URSI Regional Conference on Radio Science, Doi: 10.46620/URSI_RSRC24/0899VFT6929
138. Echo mapping of the black hole accretion flow in NGC 7469 Raj Prince , Juan V Hernández Santisteban, Keith Horne, et al., 2025, MNRAS, 541, 642-661.
139. BL Lacertae under the flare of 2024: Probing temporal and spectral dynamics, Joysankar Majumdar, Sakshi Maurya, and Raj Prince, 2025, JHEAP, 48, 2214-4048
140. On the origin of multifrequency temporal and spectral variability in Ton 599, Sakshi Maurya, J. Majumdar, Varun, N. Sahu, and Raj Prince, 2025, PASA, 42, e053
141. Dissecting the broadband emission from γ-ray blazar PKS 0735+178 in search of neutrinos, Raj Prince, S. Das, N. Gupta, P. Majumdar, & B. Czerny 2024, MNRAS, 527, 8746–8754
142. Searching for quasi-periodic oscillations in optical and gamma-ray emissions, black hole mass, estimation of blazar ON 246, Ajay Sharma, Raj Prince, Debanjan Bose, 2025, PASA, Accepted (under press)
143. From microquasars to AGN: A uniform jet variability, Ajay Sharma, Raj Prince, Debanjan Bose, 2025, Phys. Rev. D 111, 083049
144. Modeling Multiband SEDs and Light Curves of BL Lacertae Using a Time-dependent Shock-in-jet Model, Rukaiya Khatoon, Markus Böttcher, Raj Prince, 2024, ApJ, 974, 233
145. Probing the disc-jet coupling in S4 0954+65, PKS 0903-57, and 4C +01.02 with γ-rays, Ajay Sharma, Sushanth Reddy Kamaram, Raj Prince, Rukaiya Khatoon, Debanjan Bose, 2024, MNRAS, 527, 2672–2686
146. Dark and bright sides of the Broad Line Region clouds as seen in the FeII emission of SDSS RM 102, A. Floris, A. Pandey, B. Czerny, M. L. Martinez Aldama, S. Panda, P. Marziani, Raj Prince, 2025, A&A, 697, A23
147. UV Fe II emission model of HE 0413-4031 and its relation to broad-line time delays, M. Zajacek, S. Panda, A. Pandey, Raj Prince, et al. 2024, A&A, 683, A140
148. Effect of extinction on quasar luminosity distances determined from UV and X-ray flux measurements, M. Zajacek, B. Czerny, N. Khadka, M. L. Martínez-Aldama, Raj Prince, S. Panda, B. Ratra, 2024, ApJ, 961, 229.
149. Origin of broadband emission from the transition blazar B2 1308+326, A. Pandey, P. Kushwaha, P.J. Witta, Raj Prince, et al. 2024, A&A, 681, A116
150. Singh, Namrata, Mahesh Choudhary, A. Gandhi, Aman Sharma, Mahima Upadhyay, Punit Dubey, Rebecca Pachuau, S. Dasgupta, J. Datta, and A. Kumar. The European Physical Journal A 60, no. 2 (2024): 24., The European Physical Journal A, 03/02/2024, 1432-601X, https://doi.org/10.1140/epja/s10050-024-01247-0, Co-author
151. Choudhary, M., Singh, N., Sharma, A., Gandhi, A., Upadhyay, M., Pachuau, R., ... & Kumar, A. (2024). Excitation functions of alpha-particle induced nuclear reactions on nat Sn. Radiochimica Acta, 112(7-8), 455-462., Radiochimica Acta, 27/08/2024, 2193-3405, https://doi.org/10.1515/ract-2023-0202, Co-author
152. Shriya Pandey; Vipul Vishal; IshikaRaghuvanshi; Sunil Kumar; Jayeeta Lahiri;Avanish Singh Parmar, Ravi Pratap "Sensing of p-nitrophenol using highly selective and sensitive Boron, Nitrogen doped quantum dots" Chemical Physics Impact, Volume 9, Page 100697, 2024. DOI: http://dx.doi.org/10.1016/j.chphi.2024.100697 Published Online: 9th August 2024
153. Nurul Hassan, ChandanGhorui, Avanish Singh Parmar, Anil Kumar Chaudhary, Jayeeta Lahiri "Ultrathin carbon doped hexagonal boron nitride films for electromagnetic interference shielding in the Terahertz region". Applied Surface Science,Volume 679, Page 161307, 2025.DOI: https://doi.org/10.1016/j.apsusc.2024.161307 Published Online: 24thSeptember 2024.
154. KousikBera; Sree Satya BharatiMoram; Dipanjan Banerjee; Jayeeta Lahiri Venugopal Rao Soma "SERS-Based Sensing and Ultrafast Nonlinear Optical Properties of Ag-hBN Nanocomposite Achieved by Femtosecond Laser Ablation" Optical Materials, Volume 157, Page 116393, 2024. DOI: https://doi.org/10.1016/j.optmat.2024.116393 Published Online: 8th November 2024.
155. V. N. Singh, M. Hasan, M. Umar, B. P. Mandal, Quantum tunneling from a new type of generalized SmithVolterra-Cantor potential, J. Math. Phys., 66, 032102, 20th March, 2025, https://doi.org/10.1063/5.0203470
156. M. Umar, M. Hasan, V. N. Singh, B. P. Mandal, Polyadic Cantor potential of minimum lacunarity: special case of super periodic generalized unified Cantor potential, J. Phys. A: Math. Theor.,58, 065302, 7th February, 2025, https://doi.org/10.1088/1751-8121/ada987
157. S. Yadav, R. Ghosh, B. P. Mandal, Solving New Potentials in Terms of Exceptional Orthogonal Polynomials and Their Supersymmetric Partners, International Journal of Theoretical, Physics,64, 41, 7th February, 2025, https://doi.org/10.1007/s10773-024-05854-x
B. Bhowmick, R. M. Shinde, B. P. Mandal, Renormalization Group Approach for Modified vdP Oscillator with PT-Symmetric Non-Hermitian Interaction, International Journal of Theoretical, Physics, 64, 34, 1st February, 2025, https://doi.org/10.1007/s10773-025-05896-9
158. T. Pal, R. Modak, B. P. Mandal, Parity–time-reversal symmetry-breaking transitions in polymeric systems, Physical Review E, 111, 014421, 24th January, 2025, https://doi.org/10.1103/PhysRevE.111.014421
159. S. Yadav, S. Shekhar, B. Bagchi, B. P. Mandal, Generating QES potentials supporting zero energy normalizable states for an extended class of truncated Calogero Sutherland model, Annals of Physics, 470, 169822, November, 2024, https://doi.org/10.1016/j.aop.2024.169822
160. Priyanka Sharma, Stefano Olivares, Devendra Kumar Mishra, Matteo GA Paris, "Mitigating sloppiness in joint estimation of successive squeezing parameters", arXiv:2506.15638 [quant-ph]. Under review in New Journal of Physics (2025).
161. Gaurav Shukla, Shahram Panahiyan, Devendra Kumar Mishra, Frank Schlawin, "Enhancing Measurement Precision of Non-Degenerate Two-Photon Absorption", arXiv:2506.07384 [quant-ph]. Under review in Physical Review A (2025).
162. Taj Kumar, Gaurav Shukla, Devendra Kumar Mishra, "Enhancement in sensitivity of coherent anti-stokes Raman spectroscopy via SU(1,1) interferometry", Applied Physics B 131, 25 (2025) (DOI : https://doi.org/10.1007/s00340-024-08382-y).
163. Taj Kumar, Gaurav Shukla, Devendra Kumar Mishra, "Enhancement in phase sensitivity in displacement-assisted SU(1,1) interferometer via photon recycling", *APL Quantum* 2, 016127 (2025). https://doi.org/10.1063/5.0245187.
164. Dhiraj Yadav, Aviral Pandey, Priyanka Sharma, K. M. Mishra, Devendra Kumar Mishra, "Non-classical properties of two-mode squeezed cross-Kerr state and its non-Gaussian character based on the cumulants", *APL Quantum* 2, 016125 (2025). https://doi.org/10.1063/5.0246757.
165. P Sharma, AK Pandey, G Shukla, Devendra Kumar Mishra, "Enhancement in phase sensitivity of SU (1, 1) interferometer with Kerr state seeding", Optics Communications 573, 131028(2024).
166. Priyanka Sharma, Manoj K Mishra, Devendra Kumar Mishra, "Super-resolution and super-sensitivity of quantum LiDAR with a multi-photonic state and binary outcome photon counting measurement", J. of Opt. Soc. Am. B 41 (6), 1324-1340 (2024).
167. Unveiling the Influence of Glutathione in Suppressing the Conversion of Aspirin to Salicylic Acid: A Fluorescence and DFT Study, Monalisha Nayak, Chandan Bhai Patel, Anurag Mishra, Ranjana Singh, Ranjan K. Singh, Received: 10 January 2024 / Accepted: 11 March 2024.
168. Inhibition conversion of aspirin into salicylic acid in presence of glycine, Ranjana Singh, Manish K Tiwari, Ranjan K Singh, 2024, Journal of Fluorescence, Pages 1-8.
169. Neema, P., Bhatnagar, A., Verma, S. K., &Shaz, M. A. (2025). In-situ copper and nickel incorporation in carbon aerogels for efficient hydrogen storage. *International Journal of Hydrogen Energy, 148*, 150095.
170. Madhukar, P., Kesarwani, R., Pandey, S., Singh, V. K., Gedda, M. R., Singh, O. P., ... Shaz, M. A. (2025). Amine-functionalized graphene quantum dots conjugated with amphotericin B: Synthesis, characterization, and in vitro evaluation for visceral leishmaniasis treatment. *ACS Omega*.
171. Yadav, Y. K., Yadav, S., Shaz, M. A., & Yadav, T. P. (2025). A facile synthesis of high entropy alloy nanoparticles and notable catalytic activity for methylene blue degradation. *Materials Letters*, 138854.
172. Singh, S., Bhatnagar, A., Shukla, V., Pandey, A. P., &Shaz, M. A. (2025). Three-dimensional graphene aerogel decorated with nickel nanoparticles as additive for improving the hydrogen storage properties of MgH_2. *International Journal of Hydrogen Energy, 107*, 96–107.
173. Yadav, Y. K., Shaz, M. A., & Yadav, T. P. (2025). Notable catalytic activity of Al–Cu–Fe–Ni–Cr high entropy alloy nanoparticles for hydrogen sorption in MgH_2. *International Journal of Hydrogen Energy*.
174. Yadav, Y. K., Shaz, M. A., Mukhopadhyay, N. K., & Yadav, T. P. (2025). High entropy alloys synthesized by mechanical alloying: A review. *Journal of Alloys and Metallurgical Systems*, 100170.
175. Yadav, Y. K., Shaz, M. A., & Yadav, T. P. (2025). Solid-state hydrogen storage properties of Al–Cu–Fe–Ni–Ti high entropy alloy. *International Journal of Hydrogen Energy, 99*, 985–995.
176. Yadav, Y. K., Shaz, M. A. & Yadav, T. P. (2025). *Catalytic activity of Al–Cu–Fe–Ni–Cr high entropy alloy* [Preprint]. *arXiv*. https://doi.org/10.48550/arXiv.2501.04516
177. Yadav, Y. K., Shaz, M. A.,& Yadav, T. P. (2024). Storage of hydrogen in solid-state materials. In *Hydrogen Energy* (pp. 181–208). CRC Press.
178. Yadav, Y. K., Shaz, M. A., Mukhopadhyay, N. K., & Yadav, T. P. (2024). Formation of B2 phase and its stability in equiatomic Al–Cu–Fe–Ni–Ti high entropy alloy. *Journal of Alloys and Metallurgical Systems, 8*, 100137. https://doi.org/10.1016/j.jamsys.2024.100137
179. Verma, S. K., Shaz, M. A., & Yadav, T. P. (2024). Introducing 2D layered WS_2 and MoS_2 as an active catalyst to enhance the hydrogen storage properties of MgH_2. *International Journal of Hydrogen Energy, 87*, 1035–1046. https://doi.org/10.1016/j.ijhydene.2023.12.075
180. Neema, P., Verma, S. K., &Shaz, M. A. (2024). Physically activated resorcinol–formaldehyde derived carbon aerogels for enhanced hydrogen storage. *International Journal of Hydrogen Energy*. Advance online publication. https://doi.org/10.1016/j.ijhydene.2024.05.203
181. Kumar, A., Yadav, T. P., Shaz, M. A., & Mukhopadhyay, N. K. (2024). Hydrogen storage performance of C14 type $Ti_{0.24}V_{0.17}Zr_{0.17}Mn_{0.17}Co_{0.17}Fe_{0.08}$ high entropy intermetallics. *Transactions of the Indian National Academy of Engineering, 9*(3), 585–593. https://doi.org/10.1007/s41403-023-00492-9
182. Yadav, Y. K., Shaz, M. A., & Yadav, T. P. (2024). Al–Cu–Fe–Ni–Ti high entropy alloy nanoparticles as new catalyst for hydrogen sorption in MgH_2. *International Journal of Hydrogen Energy*. Advance online publication. https://doi.org/10.1016/j.ijhydene.2024.06.148
183. Kesarwani, R., Bhatnagar, A., Verma, S. K., Hudson, M. S. L., &Shaz, M. A. (2024). Enhancement in hydrogen sorption behaviour of MgH_2 catalyzed by graphene quantum dots. *International Journal of Hydrogen Energy, 67*, 1026–1032. https://doi.org/10.1016/j.ijhydene.2023.09.115
184. Kumar, A., Shaz, M. A., Mukhopadhyay, N. K., & Yadav, T. P. (2024). Phase transformation of AB_5 to AB_2 type phase on substitution of Mn with Zr in $TiVCoNi(Zr_xMn_{2-x})$ (x = 0, 0.3, 0.6, 1.0) high entropy alloys. *Materials Chemistry and Physics, 318*, 129291. https://doi.org/10.1016/j.matchemphys.2024.129291
185. Kumar, A., Shaz, M. A., Mukhopadhyay, N. K., & Yadav, T. P. (2024). AB_5 type multicomponent $TiVCoNiMn_2$ high-entropy alloy. *arXiv Preprint*. arXiv:2403.16241. https://doi.org/10.48550/arXiv.2403.16241
186. Shukla, V., Shaz, M. A., & Yadav, T. P. (2024). Improved hydrogen sorption characteristics of $Mg(NH_2)_2$–$2LiH/Li_4BH_4(NH_2)_3$ using SrH_2 and MgF_2 auto-catalyst. *International Journal of Hydrogen Energy, 57*, 1244–1252. https://doi.org/10.1016/j.ijhydene.2023.11.133

187. Kumar, A., Yadav, T. P., Shaz, M. A.,& Mukhopadhyay, N. K. (2024). Hydrogen storage properties in rapidly solidified TiZrVCrNi high-entropy alloys. *Energy Storage, 6*(1), e532. https://doi.org/10.1002/est2.532.
188. Yadav, Y. K., Shaz, M. A., & Yadav, T. P. (2025). Catalytic activity of Al–Cu–Fe–Ni–Cr high entropy alloy. *arXiv preprint*, arXiv:2501.04516.
189. Quarkonia mass spectra and thermodynamical properties under the effect of finite magnetic field and quark condensate, Nilima, I; Singh, BK and Jamal, MY, Dec 25 2024, EUROPEAN PHYSICAL JOURNAL PLUS, 139 (12)
190. Centrality dependence of Levy-stable two-pion Bose-Einstein correlations in √sNN=200 GeV Au + Au collisions, Abdulameer, NJ; Acharya, U; (...); Zelenski, A, Dec 20 2024, PHYSICAL REVIEW C, 110 (6)
191. Impact of surface-roughness and fractality on electrical conductivity of SnS thin films, Vinita; Kumar, C; (...); Singh, BK, Nov 15 2024, PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 654
192. Jet modification via Π0-hadron correlations in Au + Au collisions at √sNN=200 GeV, Abdulameer, NJ; Acharya, U; (...); Zou, L, Oct 1 2024, PHYSICAL REVIEW C, 110 (4)
193. Scaling properties of particle density fluctuations at LHC energies, Singh, A; Kumar, A; (...); Singh, BK, Oct 2024, EPL, 148 (1)
194. pT -spectra, nuclear modification factors (RAA , and RCP) of (multi-) strange hadrons in Au plus Au collisions at √sNN=200 GeV with HYDJET plus, Devi, G; Singh, A and Singh, BK, Sep 1 2024, JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 51 (9),
195. Change in refractive index of p-SnS thin film due to molecular polarizability, Vinita; Arun, P; (...); Singh, BK, Jul 1 2024, JOURNAL OF PHOTONICS FOR ENERGY, 14 (3).
196. Identified charged-hadron production in p + Al, 3He+Au, and Cu plus v Au collisions at √sNN=200 GeV and in U plus U collisions at √sNN=193 GeV, Abdulameer, NJ; Acharya, U; (...); Zou, L, May 20 2024, PHYSICAL REVIEW C, 109 (5)
197. Predicting quadrupole deformation via anisotropic flow and transverse momentum spectra in isotopic 54 128-135 Xe collisions at LHC, Pandey, S and Singh, BK, May 16 2024, EUROPEAN PHYSICAL JOURNAL C, 84 (5).
198. Higher-order anisotropic flow correlations in Xe-Xe collisions at √sNN=5.44 TeV, Pandey, S and Singh, BK, May 9 2024, EUROPEAN PHYSICAL JOURNAL PLUS, 139 (5)
199. Nonprompt direct-photon production in Au plus Au collisions at √sNN=200 GeV, Abdulameer, NJ; Acharya, U; (...); Zou, L, Apr 18 2024, PHYSICAL REVIEW C, 109 (4)
200. Charm- and bottom-quark production in Au plus Au collisions at √sNN=200 GeV, Abdulameer, NJ; Acharya, U; (...); Zou, L, Apr 10 2024, PHYSICAL REVIEW C, 109 (4)
201. Surfaces properties correlation with optical parameters of thickness dependent self-affine nanostructured SnS thin films: A study based on scaling law, Vinita; Kumar, C; (...); Singh, BK, Jun 20 2024, COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS
202. Collective and non-collective states in 136Ce, AK Gupta, HP Sharma, AK Rana, M Anser, Ishika Sharma, SS Tiwary, S Chakraborty, C Majumder, Anupriya Sharma, Anand Pandey, Anuj, SK Chamoli, S Kumar, Kaushik Katre, S Muralithar, RP Singh, Yashraj, Indu Bala, Arunita Mukherjee, Sutanu Bhattacharya, T Trivedi, Nikhil Mozumdar, P. Banerjee, Subodh, A Kumar, Publication 2025/1/1, EPL, 149, 2
203. Recent advancements of smartphone-based sensing technology for diagnosis, food safety analysis, and environmental monitoring, S Upadhyay, A Kumar, M Srivastava, A Srivastava, A Dwivedi, RK Singh, ..., Talanta 275, 126080 (2024)
204. 2D material–based surface plasmon resonance biosensors for applications in different domains: an insight, PK Yadav, A Kumar, S Upadhyay, A Kumar, A Srivastava, M Srivastava, ..., Microchimica Acta 191 (7), 373 (2024)
205. A near infrared MIM metamaterial absorber using SiC, A Kumar, SK Dubey, A Kumar, SK Srivastava, Photonics and Nanostructures-Fundamentals and Applications 58, 101226 (2024)
206. Ranjana Singh, Manish K. Tiwari and Ranjan K. Singh, Inhibition Conversion of, Aspirin into Salicylic Acid in Presence of Glycine, Journal of Fluorescence (2025), 35:2235–2242 https://doi.org/10.1007/s10895-024-03675-z
207. Monalisha Nayak, Chandan Bhai Patel, Anurag Mishra, Ranjana Singh and Ranjan K., Singh, Unveiling the Influence of Glutathione in Suppressing the Conversion of Aspirin to Salicylic Acid: A Fluorescence and DFT Study, Journal of Fluorescence (2024), 34:1441–1451 https://doi.org/10.1007/s10895-024-03665-1
208. Chandan Bhai Patel, Monalisha Nayak, Satyabratt Pandey, Om Prakash, Sachin K. Singh, Ranjan K. Singh, Spectroscopic study of coordination of Cu2+ with liquid crystal HBDBA: An investigation at ultra trace level, Chemical Physics Impact 8 (2024) 100649, www.sciencedirect.com/journal/chemical-physics-impact
209. Chandan Bhai Patel, Satyabratt Pandey, Sachin K. Singh, K. Vikram, Ranjan K. Singh, Probing the mesophase formation in thermotropic liquid crystal HBDBA using temperature-dependent Raman spectroscopy and DFT method, Vibrational Spectroscopy 133 (2024) 103696, www.elsevier.com/locate/vibspec.
210. Ummer Bashir Khoja; Chandan Bhai Patel; Rajesh Srivastava; Vijay K. Mishra; Pankaj, Tripathi; Amit Raj Singh, Ranjan K. Singh and K. Vikram, Raman signature of the interaction between functionalized MWCNT and the liquid crystalline system (4DBA), AIP Conf. Proc. 3196, 040003 (2024), https://doi.org/10.1063/5.0227998
211. Anamika Chaturvedi, Pranjali Pranjali, Ritu Ra, Ayush Shukla, Ranjana Singh, Deepak Kumar Tripathi, Krishna Mohan Poluri, Ranjan Kumar Singh, Dinesh Kumar and Anupam Guleria, Investigation of magnetic resonance contrast properties of PEG coated gadolinium oxide nanoparticles in various biological environments, Phys. Scr. 99 (2024), 125019 https://doi.org/10.1088/1402-4896/ad8cb1
212. Dushyant Singha, Chandan Bhai Patelb, Samir Ranjan Sahoob, Ranjan K. Singh, Rahul Kumar, and Krista R. Khiangtea, Temperature-Dependent Raman Spectroscopy Analysis of Epitaxially Grown Ge0.91Sn0.09 on GaAs (001) Substrate, Physics of the Solid State, 2025, Vol. 67, No. 1, pp. 39–47. © Pleiades Publishing, Ltd., 2025.
213. U.B. Khoja, Chandan B. Patel, P.K. Tripathi, Rajesh Kumar, Soni Mishra, Sachin Kumar Singh, Ranjan K. Singh and Kunwar Vikram, Exploring a solid state polymorphism and phase transition in 4-cyano-4-pentylbiphenyl (5CB) and rGO-doped 5CB using temperature dependent Raman spectroscopy, J. MOl. Liquids 423 (2025) 127006.
214. Monalisha Nayak, Chandan Bhai Patel, Om Prakash, Ashish Kumar Singh, Ranjan K. Singh, Detection of a Neurotoxin Quinolinic Acid at Ultra-Trace Amount: SERS and DFT Study, Journal of Raman Spectroscopy, 2025; 0:1–12 https://doi.org/10.1002/jrs.6847.
215. Machine learning-enhanced detection of chlorpyrifos using molecularly imprinted polymer-coated optical fibers A Mishra, R Maurya, S Prakash, CS Yadav, A Upadhyay, R Singh, ...Talanta 286, 127539, 2025
216. Optimization and performance analysis of a D-shaped polymer optical fiber SPR sensor for selective detection of cadmium ions A Mishra, R Maurya, A Upadhyay, G Sharma, PK Gangwar, V Mishra, ...Optik 321, 172161, 2025
217. On the Feasibility of Thallium Bromide in Long-Range Plasmonic Sensing for Enhancement of Performance V Kumar, S Pal, V Singh, B Goyal, LK Awasthi, YK Prajapati IEEE Transactions on Plasma Science, 2024
218. Design of a highly sensitive and precise long-range surface plasmon resonance sensor for early detection of malaria V Kumar, S Pal, V Singh, YK Parajapati, JP Saini Physica B: Condensed Matter 686, 416072, 2024
219. Sensing performance of Au–Ag bimetal coated planar waveguide having polyaniline polymer film for biosensing applications D Yadav, R Kumar, S Kumar, G Sharma, GC Yadav, V Singh Journal of Optical Communications 45 (3), 529-538, 2024
220. Fano resonance-enhanced planar waveguide sensor utilizing MoS2 for high-performance sensing application R Maurya, A Mishra, CS Yadav, A Upadhyay, V Singh Physica Scripta 99 (4), 045518, 2024.
221. Priyanka Kumari, Monika Srivastava, Pinki Sagar, CSP Tripathi and S.K. Srivastava, Wireless & Portable Smartphone-assisted Electrochemical Platform for On-site monitoring of Chloramphenicol Drug Biosensors and Bioelectronics, https://doi.org/10.1016/j.bios.2025.117694, online, 117694, 2025
222. Satyam Upadhyay, Monika Srivastava , Pradumn Patel, Amit Srivastava, Dhananjay Kumar, Somnath C Roy , and S.K. Srivastava, Comprehensive analysis of structural, morphological, surface chemistry, and optical traits of multifaceted SrTiO3 for enhanced photocatalytic and DSSC applications, Journal of Water Process Engineering, https://doi.org/10.1016/j.jwpe.2025.108158, 76, 108158, 2025
223. Anil Kumar, Awadhesh Kumar, Monika Srivastava, Rajiv Prakash, and S.K. Srivastava, A Graphene Oxide Assisted Surface Plasmon Resonance Sensor for Chloroquine Phosphate Detection: A Theoretical and Experimental study, Optics and Laser technology, https://doi.org/10.1016/j.optlastec.2025.113341, 191 , 113341, 2025
224. Richa Kumari , Anil Kumar , Sandeep Dahiya , S.K. Srivastava , Debanjan Guin , Chandra Shekhar Pati Tripathi, A highly responsive UV photodetector based on WO3–ZnO layered thin film, Optical Materials, https://doi.org/10.1016/j.optmat.2025.117205, 116, 117205, 2025
225. Awadhesh Kumar , Anil Kumar , Pinky Sagar , Monika Srivastava , Amritanshu Pandey , Rajiv Prakash , and S.K. Srivastava, A sensitive SPR biosensor for glucose detection using MoS2 quantum dots, Microchemical Journal, https://doi.org/10.1016/j.microc.2025.113889, 214, 113889, 2025
226. Satyam Upadhyay , Arpit Dwivedi , Prateek,Kumar Yadav , Monika Srivastava , Amit Srivastava , Chandan Upadhyay , S.K. Srivastava, Impact of Eu3 +/Y3+ doping on the structural and optical properties of SrTiO3 perovskite phosphor and multi-functional applications, Journal of Alloys and Compounds, https://doi.org/10.1016/j.jallcom.2025.178866, 1016, 178866, 2025
227. Pinky Sagar , Ayushi Sahrawat , Monika Srivastava , Priyanka , Pooja Agarwal ,and S.K. Srivastava, WS2 nanoparticle integrated MWCNT as an efficient electrode material for electrochemical sensing of chloramphenicol in pharmaceutical samples, Microchemical Journal, https://doi.org/10.1016/j.microc.2025.112922, 210, 112922, 2025
228. Anushka Yadav , Priyanka Dogra , Pinky Sagar , Monika Srivastava , Amit Srivastava , Rajneesh Kumar , S. K. Srivastava, A contemporary overview on quantum dots-based fluorescent biosensors: Exploring synthesis techniques, sensing mechanism and applications, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, https://doi.org/10.1016/j.saa.2025.126002, 335, 126002, 2025
229. Anushka Yadav , Pinky Sagar , Monika Srivastava , Amit Srivastava , Rajneesh Kumar , S.K. Srivastava, A Smartphone-enabled Colorimetric Sensor based on VS2 Quantum Dots for Rapid and On-site Detection of Ferric Ions Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. https://doi.org/10.1016/j.saa.2024.125609, Volume 329, 15, 125609, 2025
230. Anuradha , Arpita Dwivedi, Satyam Upadhyay, Monika Srivastava, Amit Srivastava, Rajneesh Kumar, and S. K. Srivastava, Alkali metal ion codoped Eu3+ activated Yttrium orthovanadate with tunable photoluminescence properties for LEDs and anti-counterfeiting applications, Ceramics International, https://doi.org/10.1016/j.ceramint.2024.12.310, Volume 51, Issue 7, 8802-8815, 2025
231. Sarvesh K. Dubey , Awadhesh Kumar, Anil Kumar, Amit Pathak ,and S.K. Srivastava, Square & H metasurfaces for SPR Increasing in long Wave-IR absorber, Measurement, https://doi.org/10.1016/j.measurement.2024.115615, Volume 240, 30, 115615, 2024
232. Anilkumar Gautam , Ruchi Shankhwar, Snigdha , RaviKr. Gupta , Sanjay Kumrsrivastava , Gajanan Pandey, The study of the green synthesis of Co3O4 nanomaterials and Co3O4/Ce24Co11/CeO2 nanocomposites using Kigelia pinnata fruit extract and their antibacterial potential. Journal of molecular structure, https://doi.org/10.1016/j.molstruc.2024.141170, online, 141170,2024
233. P. Sagar, Monika Srivastava, and S. K. Srivastava, Boron Functionalized and Phosphorous Doped Molybdenum di-Sulfide Quantum Dots for the Photoluminescence Based Detection of HbA1c , Microchemical Journal, https://doi.org/10.1016/j.microc.2024.111885, Volume 207, 111885, 2024
234. Prateek kumaryadav, satyam Upadhyay, Anil Kumar, Avadeshkumar, R.N. Chaurasia, and , S.K. Srivastava, A Study of Highly Sensitive Surface Plasmon Resonance Biosensor for the Detection of SARS-CoV-2 Virus, Journal of optical and Quantum electronics, https://doi.org/10.1007/s11082-024-07586-y, 56, 1663, 2024
235. Prateek kumaryadav, Avadeshkumar, Anil Kumar, Monika Srivastava, Amit Srivastava, S.K. Srivastava, 2D material–based surface plasmon resonance biosensors for applications in different domains: an insight, Microchimica Acta, DOI : 10.1007/s00604-024-06442-w, 191, 373, 1-30, 2024
236. G. K. Gupta, P. Sagar, Monika Srivastava, A. K. Singh, Sharmistha Anwar, Jai Singh, S. K. Srivastava,Amit Srivastava, Fabrication of manganese ferrite-reduced graphene oxide

nanostructure as an electrode material for high performance supercapacitor, Emergent Materials, https://doi.org/10.1007/s42247-024-00725-x, 725, 13, 2024

237. Satyam Upadhyay, Anil Kumar, Monika Srivastava, Amit Srivastava, Arpita Dwivedi, Rajesh Kumar Singh, S.K. Srivastava, Recent advancements of smartphone-based sensing technology for diagnosis, food safety analysis, and environmental monitoring, Talanta, https://doi.org/10.1016/j.talanta.2024.126080, 275, 126080, 2024
238. Anushka Yadav, Priyanka Dogra, Pinky Sagar, Monika Srivastava, Amit Srivastava, Rajneesh Kumar, S.K. Srivastava, 'A contemporary overview on quantum dots-based fluorescent biosensors : Exploring synthesis techniques, sensing mechanism and applications', Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 335, 126002 (2025)
239. Anushka Yadav, Pinky Sagar, Monika Srivastava, Amit Srivastava, Rajneesh Kumar, S. K. Srivastava, "A smartphone-enabledcolorimetricsensorbased on VS2 quantum dots for Rapid and on-site detection of ferric ions" Spectrochimica Acta Part A:Molecular and BiomolecularSpectroscopy, 329,125609 (2025)
240. Anuradha, Arpita Dwivedi, Satyam Upadhyay, Amit Srivastava, Monika Srivastava, Rajneesh Kumar, S. K. Srivastav, "Alkali metal ion codoped Eu3+ activated yttrium orthovanadatewithtunable photoluminescence properties for LEDs and anti-counterfeiting applications" Ceramic International, https://doi.org/10.1016/j.ceramint.2024.12.310, 2025.
241. Vipin K. Yadav, Mahima Agrawal, Mahul Chakraborty, Rajneesh Kumar, "The Effect of Energetic Electrons in Lunar Ionosphere on the Streaming Plasma Instability Around Moon", Physics of Plasmas 31, 082102 (2024).
242. R. Sridevi, A. Prakasam, P.M. Anbarasan, Rajneesh Kumar, M. Karthik, K. Deepak vijay, "Facile construction of MoS2 decorated CdS hybrid heterojunction with enhanced hydrogen generation performance", Chemical Physics Impact, 8, 100584 (2024) https://doi.org/10.1016/j.chphi.2024.100584, IF 3.8
243. Investigating the effects of acceptor removal mechanism and impact ionization on proton irradiated 300 µm thick LGAD, 68th DAE Symposium on Nuclear Physics, Department of Atomic Energy (DAE), Board of Research in Nuclear Sciences (BRNS), December 7-11, 2024. ISBN-978-81-967453-5-6
244. TCAD simulation study to understand the behaviour of proton irradiated thin LGADs, XXVI DAE-BRNS High Energy Physics Symposium, Department of Physics, ISc & MMV College, BHU, Varanasi, December 19-23, 2024, National
245. Simulation study of different pitch sizes GEM detectors and their performance comparison, XXVI DAE-BRNS High Energy Physics Symposium, Department of Physics, ISc & MMV College, BHU, Varanasi, December 19-23, 2024, National
246. Study of tWZj signal and its backgrounds, XXVI DAE-BRNS High Energy Physics Symposium, Department of Physics, ISc & MMV College, BHU, Varanasi, December 19-23, 2024, National
247. Ajay Kumar, Punit Dubey, et al., New experimental insights about dissipation near shell closure, Physical Review C Letters, 112, L011602, 2025
248. Ajay Kumar, Mahesh Choudhary, et al., Estimation of optical model parameters through study of neutron capture reaction with 98Mo, Physics Letters B, Accepted, Accepted, 2025
249. Ajay Kumar and Punit Dubey, Re-Investigation of Entrance Channel Effects in Heavy-Ion Fusion-Fission Dynamics, Physics of Particles and Nuclei Letters, 22, 2, 2025
250. Ajay Kumar, Namrata Singh, et al., Study of the uncertainty quantification of the 121Sb(n, γ)122Sb reaction, European Physical Journal Plus, 140, 38, 2025
251. Ajay Kumar, Pretam K. Das, et al., Measurement and GEANT4 Simulation of Photopeak Efficiency and Covariance Analysis of γ-Detectors in TANGRA Setup, International Journal of Modern Physics, 33, 2441032, 2024
252. M. Matejska-Minda, Ajay Kumar, et al., Structure of low-spin states in 45Sc studied via coulomb excitation, Acta Physica Polonica B, 17, 3-A3, 2024
253. Ajay Kumar, Mahesh Choudhary, et al., Excitation functions for natAg(α,x) reactions with detailed covariance analysis, Nuclear Physics A, 1050, 122917, 2024
254. Yu. N. Kopatch, Ajay Kumar, et al., New Version of the Experimental Setup for the Measurement of γ-Quantum Emission Cross Sections in Nuclear Reactions Induced by 14.1 MeV Neutron, Physics of Nuclei and Elementary Particles, 79, 2430201, 2024
255. Ajay Kumar, Mahesh Choudhary, et al., Comprehensive Analysis of Uncertainty Quantification for the 58Ni(n,p)58Co Reaction Cross Section, Chinese Physics C, 48, 094104, 2024
256. Ajay Kumar, MahimaUpadhayay, et al., Production of 97Ru and 103Ru radionuclides from alpha-induced reaction on natMo, Journal of Radioanalytical and Nuclear Chemistry, 2024
257. Ajay Kumar, Punit Dubey, et al., Exploring the influence of entrance channel on neutron multiplicity for 212Rn, Journal of Radioanalytical and Nuclear Chemistry, 333 & 11, 5363-5369, 2024
258. Ajay Kumar, Mahesh Choudhary, et al., Estimation of global level density parameters using unscented transform Kalman filter technique, Physical Review C, 109, L041603, 2024
259. Ajay Kumar, Mahesh Choudhary, et al., Excitation functions of alpha-particle induced nuclear reactions on natSn, Radiochimica Acta, 2024
260. Ajay Kumar, Namrata Singh, et al., Measurement of the excitation functions for natNi(α,x) reactions with detailed covariance analysis, The European Physical Journal A, 60, 24, 2024
261. Ajay Kumar, Aman Sharma, et al., Study of the surrogate ratio method by determination of 56Fe(n,xp) cross sections, Physics, Letters B, 848, 138381, 2024
262. AkashHingu, Ajay Kumaret al., Investigation of 58Ni(n,p)58Co reaction cross-section with covariance analysis, Chinese Physics C, 48, 024001, 2024
263. Minimum uncertainty states and squeezed states from sum uncertainty relation, Yatindra Kumar, Yashraj Jha, Namrata Shukla, arXiv:2407.16530 (quant-ph), Under Review in the New Journal of Physics.
264. Pooja Rawat, R.K. Prajapati, Gulshan Kumar Meena, A.L. Saroj, Enhancing the performance of Chitosan/PVP based bio-polymer electrolyte incorporated with SiO2 nano-particles in dye-sensitized solar cell, Materials Science and Engineering: B, 308, 2024,117603.https://doi.org/10.1016/j.mseb.2024.117603
265. Meena, G.K., Rawat, P., Prajapati, R.K. A. L. Saroj, Plasticized biopolymer electrolyte membranes based on gellan gum-MeSO4Na: structural, thermal and electrical transport properties study. J Mater Sci: Mater Electron 36, 433 (2025). https://doi.org/10.1007/s10854-025-14514-7.
266. A.L. Saroj, Chandrakant Kumar Gond, Pooja Rawat, R.K. Prajapati, Gulshan Kumar Meena, Pravin Kumar Ray, Ionic liquid based NCPBE membranes for electrochemical capacitor applications: Structural, thermal and electrical transport properties, Physica B: Condensed Matter, 691, 2024, 416302,https://doi.org/10.1016/j.physb.2024.416302.
267. R.K. Prajapati, Pooja Rawat, Horesh Kumar, A.L. Saroj, Chitosan-PVA-Mg(NO3)2 based biopolymer blend electrolyte membranes for EDLC applications: Structural, thermal and electrical transport properties study, Materials Science and Engineering: B, 317, 2025, 118200, https://doi.org/10.1016/j.mseb.2025.118200.
268. YK Yadav, S Yadav, MA Shaz, TP Yadav, A facile synthesis of high entropy alloy nanoparticles and notable catalytic activity for methylene blue degradation, Materials Letters, 397, 2025, 138854, https://doi.org/10.1016/j.matlet.2025.138854ISSN:0167-577X [IF:2.7]
269. YK Yadav, MA Shaz, TP Yadav, Notable catalytic activity of Al–Cu–Fe–Ni–Cr high entropy alloy nanoparticles for hydrogen sorption in MgH2, International Journal of Hydrogen Energy (2025) https://doi.org/10.1016/j.ijhydene.2025.02.361;ISSN: 03603199[IF: 8.1]
270. YK Yadav, MA Shaz, NK Mukhopadhyay, TP Yadav, High entropy alloys synthesized by mechanical alloying: a review, Journal of Alloys and Metallurgical Systems, 9 (2025) 100170; https://doi.org/10.1016/j.jalmes.2025.100170; ISSN: 29499178
271. YK Yadav, MA Shaz, TP Yadav, Solid-state hydrogen storage properties of Al–Cu–Fe–Ni–Ti high entropy alloy, International Journal of Hydrogen Energy 99, (2025) 985-995;https://doi.org/10.1016/j.ijhydene.2024.12.254;ISSN:985-99503603199[IF: 8.1]
272. YK Yadav, MA Shaz, NK Mukhopadhyay, TP Yadav, Formation of B2 phase and its stability in equiatomic Al-Cu-Fe-Ni-Ti high entropy alloy, Journal of Alloys and Metallurgical Systems 8, (2024) 100137; https://doi.org/10.1016/j.jalmes.2024.100137; ISSN: 29499178
273. SK Verma, MA Shaz, TP Yadav, Introducing 2D layered WS2 and MoS2 as an active catalyst to enhance the hydrogen storage properties of MgH2, International Journal of Hydrogen Energy 87,(2024) 1035-1046; https://doi.org/10.1016/j.ijhydene.2024.09.094; ISSN: 0360-3199[IF: 8.1]
274. A Kumar, TP Yadav, MA Shaz, NK Mukhopadhyay, Hydrogen Storage Performance of C14 Type Ti0.24V0.17Zr0.17Mn0.17Co0.17Fe0.08 High Entropy Intermetallics, Transactions of the Indian National Academy of Engineering 9 (3), (2024) 585-593; http://dx.doi.org/10.1007/s41403-023-00390-2; ISSN: 2662-5415
275. YK Yadav, MA Shaz, TP Yadav, Al–Cu–Fe–Ni–Ti high entropy alloy nanoparticles as new catalyst for hydrogen sorption in MgH2, International Journal of Hydrogen Energy (2024); https://doi.org/10.1016/j.ijhydene.2024.08.095;ISSN:0360-3199[IF: 8.1]
276. SS Mishra, U Kumar, BB Raj, H Ko, TP Yadav, Multifaceted investigation into the impact of Ga substitution for Al in V2MnAl inverse Heusler alloys,Physica B: Condensed Matter, 693(2024) 416345; https://doi.org/10.1016/j.physb.2024.416345; ISSN: 0921-4526 [IF: 2.8]
277. P Jaishwal, U Gyaneshwari, K Jha, B Pandey, TP Yadav, SP Singh, Lessons from COVID-19: Aspects of prevention, therapeutics, and diagnostics against SARS-CoV-2 with special focus on JN. 1 and XBB sublineages;MedComm–Future Medicine 3 (2), (2024) 90;https://doi.org/10.1002/mef2.90; ISSN:2769-6456
278. A Kumar, MA Shaz, NK Mukhopadhyay, TP Yadav, Phase transformation of AB5 to AB2 type phase on substitution of Mn with Zr in TiVCoNi (ZrxMn2-x)(x= 0, 0.3, 0.6, 1.0) high entropy alloys, Materials Chemistry and Physics(2024)129291; https://doi.org/10.1016/j.matchemphys.2024.129291; ISSN: 1879-3312 [IF:4.3]
279. V Shukla, MA Shaz, TP Yadav, Improved hydrogen sorption characteristics of Mg (NH2)2-2 LiH/Li4BH4 (NH2)3 using SrH2 and MgF2 auto-catalyst, International Journal of Hydrogen Energy 57 (2024) 1244-1252; https://doi.org/10.1016/j.ijhydene.2024.01.054; ISSN: 0360-3199 [IF:8.1]
280. Parveen, S. Sonkar, TP Yadav, PK Sarangi, AK Singh, SP Singh, R Gupta, Asparagus racemosus Leaf Extract Mediated Bioconversion of Nickel Sulfate into Nickel/ Nickel Hydroxide Nanoparticles: in-vitro Catalytic, Antibacterial, and Antioxidant Activities, Biomass Conversion and Biorefinery14 (5), (2024)6865-6885; https://doi.org/10.1007/s13399-022-02843-0; ISSN: 2190-6823 [IF:3.5]
281. SK Verma, SS Mishra, NK Mukhopadhyay, TP Yadav, Superior catalytic action of high-entropy alloy on hydrogen sorption properties of MgH2, International Journal of Hydrogen Energy, 50, Part D (2024) 749-762; https://doi.org/10.1016/j.ijhydene.2023.08.127; ISSN: 0360-3199 [IF:8.1]
282. AKumar, TP Yadav, MA Shaz, NK Mukhopadhyay, Hydrogen storage properties in rapidly solidified TiZrVCrNi high-entropy alloys, Energy Storage6(1)(2024) 532; https://doi.org/10.1002/est2.532; ISSN:2578-4862 [IF:3.6]

Books and Book Chapters

1. Samriddhi, Rajendra Kumar Singh. "One-dimensional nanocomposites for renewable energies." In Nanotechnology for Next-Generation Energy Storage, Elsevier, 303-318, 30 May,2025, https://doi.org/10.1016/B978-0-443-30065-3.00007-7,978-0-443-30065-3.
2. Yadav Vikas, Rajendra Kumar Singh, Liquid metal batteries for large-scale energy storage "Liquid Metal Batteries Chemistry, Advancements, and Challenges, CRC, 2025.
3. Rupesh K. Tiwari and Rajendra K. Singh, Porous Silica in Devices and Ion-Based Systems - Unveiling the Design, Fabrication, and Diverse Applications, Nanoionics: Fundamentals and Applications, 79-96, 2025
4. Patel, Anupam, and Rajendra Kumar Singh. "Graphene-Based Metal-Ion Batteries." In NanoCarbon: A Wonder Material for Energy Applications: Volume 2: Fundamentals and Advancement for Energy Storage Applications,Singapore: Springer Nature Singapore, 91-107,28 February, 2024.https://doi.org/10.1007/978-981-99-9931-6_5, 978-981-99-9931-6.
5. Tiwari, Anurag, Shishir Kumar Singh, DipikaMeghnani, Raghvendra Mishra, and Rajendra Kumar Singh. "Vanadium-Based Redox Flow Batteries." Advanced Redox Flow Technology, 161-176, 17 April 2024, https://doi.org/10.1002/9781119904960.ch7, 9781119904960.

6. Mishra, Raghvendra,Rajendra Kumar Singh, Zinc-Cerium Hybrid Redox Flow Batteries,107-126, 17 April, 2024, https://doi.org/10.1002/9781119904960.ch5, 9781119904960.
7. Tiwari, Anurag, Rajendra Kumar Singh, Biopolymers for Energy Applications, American Chemical Society,1487,1-12,1November, 2024, DOI: 10.1021/bk-2024-1487.ch001, 9780841296541.
8. Tiwari, K.Vimal,Rajendra Kumar Singh, Carbon-Based and TMDs-Based Nanostructured Anode Materials for Improved Lithium-Ion and Sodium-Ion Battery Performances,Carbon And Tmds Nanostructures For Energy Applications,259, 2024.
9. N. Mehta, (2024).Chapter 13, "Nanoengineering in biomaterials" in Surface Engineering of Biomaterials. Ajit Behera(ed.), CRC Press, pp 271-283. ISBN: 9781032552828
10. N. Mehta, (2024).Chapter 20, "Non-volatile memory devices" in Handbook of Semiconductors: Fundamentals to Emerging Applications. R. Gupta (ed.), CRC Press, pp 260-272. ISBN/EAN: 1040040926 / 9781040040928.
11. S. K. Pal and N. Mehta, (2024).Chapter 5, "Interfacial Properties and Geometry of 2D Semiconducting Materials (2D-SCMs)" in 2D Semiconducting Materials for Electronic, Photonic, and Optoelectronic Devices, A. Kumar and R. Gupta (eds.), CRC Press, pp 59-73. SBN:9781040113585, 1040113583
12. N. Mehta, (2024). Chapter 2, "Fundamentals of Semiconducting Fibers" in Semiconducting Fibers: Preparation, Advances, and Applications, R. Gupta (ed.), CRC Press, pp 14-26. ISBN:9781040121337, 1040121330
13. Ankita Srivastava, ChandrabhanDohare, Ritesh Kumar Chourasia, Neeraj Mehta, Namrata Chandel, Dinesh Pathak, Amodini Mishra, and Dhirendra Sahoo, (2024). Chapter 5, "Thermal Kinetics Through Differential Scanning Calorimetry in Chalcogenide Glassy Semiconductors" in Materials for Electronic, Magnetic, and Spintronic Technologies. Engineering Materials, A. Mishra, V. Dixit, D. Somvanshi, A. Singh, A. Mishra, (eds.), Springer, Cham, pp 91-107. https://doi.org/10.1007/978-3-031-64542-6_5
14. YK Yadav, MA Shaz, TP Yadav, Chapter 11: Storage of hydrogen in solid-state materials, Book: Hydrogen Energy; Editors: Dilshad Ahmad Khan, Akhilesh Kumar Choudhary, Deepak Sharma, December 2024, Pages: 181-208, Publisher: Taylor and Francis, CRC Press; ISBN: 9781003537816, https://doi.org/10.1201/9781003537816
15. TP Yadav, A Srivastava, K Awasthi, Chapter 10: Graphene-metal oxide hybrids and their gas-sensing characteristics" Book "Complex and Composite Metal Oxides for Gas, VOC and Humidity Sensors, Editors: Bal Chandra Yadav, Pragati Kumar, Volume 2, April 1, 2024, pages: 291-317,Publisher: Elsevier Global Book Production, Paperback ISBN: 9780323954761, eBook ISBN: 9780323954778; https://doi.org/10.1016/B978-0-323-95476-1.00016-2
16. A Kumar, NK Mukhopadhyay and TPYadav, Chapter 3.2 Title: Hydrogen storage in high entropy alloys, Book Title: Towards Hydrogen Infrastructure: Advances and Challenges in Preparing for the Hydrogen Economy, 1st Edition, Editors: Deepshikha Jaiswal-Nagar, Viney Dixit and Sheila Devasahayam; 2024, Pages 133-164 Publisher: Elsevier; ISBN: 9780323955539; https://doi.org/10.1016/B978-0-323-95553-9.00007-8

School of Biotechnology

Research Papers and Articles

1. Rai, S., Singh, V. S., Gupta, P., & Tripathi, A. K* (2025). Identification and functional characterization of a fructose-inducible phosphotransferase system in Azospirillum brasilense Sp7. Applied and environmental microbiology, 91(2), e0082824. https://doi.org/10.1128/aem.00828-24. Impact Factor: 3.7
2. Tiwari, N., & Tripathi, A. K. (2024). Biosynthesis of carotenoids in Azospirillum brasilense Cd is mediated via squalene (C30) route. Biochemical and biophysical research communications, 722, 150154. https://doi.org/10.1016/j.bbrc.2024.150154. Impact Factor: 2.2
3. Das, R., Kumar, A., Singh, V.K., Kayastha, A.M.*, and Singh, C.* (2025): Mechanistic behavior of fenugreek α-amylase on starch hydrolysis upon interaction with hesperetin and luteolin probed by multispectroscopic and in silico approaches. Food Chemistry, 490, 145141. https://doi.org/j.foodchem.2025.145141. Impact Factor: 9.8
4. Singh, A., Singh, S., Prasad, N., Singh, S., Mohanta, A., Kayastha, A.M.*, and Asthana, R.K.* (2025): An exploration of lipid remodeling by microalga Chlamydomonas reinhardtii in autotrophic and mixotrophic cultivation for bioenergy prospects. Biomass and Bioenergy, 200,108015. https://doi.org/10.1016/j.biombioe.2025.108015. Impact Factor: 5.8
5. Kumar, P., Ali, A., Srivastava, A.*, and Kayastha, A.M.*(2025): Enhanced blood urea sensing with watermelon urease (Citrullus lanatus) immobilized on chitosan-unzipped multi-walled carbon nanotubes (UZMWCNTs) nanobiocomposite. Journal of Molecular Liquids, 427, 127426. https://doi.org/10.1016/j.molliq.2025.127426. Impact Factor: 5.2
6. Das, R., Kumar, A., Singh, C., and Kayastha, A.M.*(2025): Innovative synthesis approaches and health implications of organic-inorganic nanohybrids for food industry applications (Review). Food Chemistry464,141905.https://doi.org/10.1016/j.foodchem.2024.141905. Impact Factor: 9.8
7. Kumar, P., Divya, and Kayastha, A.M.*(2024): Exploring the catalytic potential of watermelon urease: Purification, biochemical characterization, and heavy metal precipitation. International Journal of Biological Macromolecules 282, 136798. https://doi.org/10.1016/j.ijbiomac.2024.136798. Impact Factor: 8.5
8. Kumar, P., Dkhar, D.S., Chandra, P., and Kayastha, A.M.*(2024): Watermelon-derived urease immobilized gold nanoparticles-graphene oxide transducer for direct detection of urea in milk samples. ACS Applied Bio Materials7, 6357-6370. https://doi.org/10.1021/acsabm.4c00846. Impact Factor: 4.7
9. Kumar, A., Aaditya, A., and Kayastha, A.M.*(2024): Deciphering unfolding pathways: Chemical, heat, and acid-induced investigations into conformational stability and structure-function relationships of fenugreek (Trigonella foenum-graecum) α-amylase. Journal of Molecular Structure 1315, 138857. https://doi.org/10.1016/j.molstruc.2024.138857. Impact Factor: 4.7
10. Kumar, P., Divya, Patel, A.K., Srivastava, A.*, and Kayastha, A.M.*(2024): Enhancing milk quality assessment with watermelon (Citrullus lanatus) urease immobilized on VS2-chitosan nanocomposite beads using response surface methodology. Food Chemistry 451, 139447. https://doi.org/10.1016/j.foodchem.2024.139447. Impact Factor: 9.8
11. Kumar, A., Singh, V.K., and Kayastha, A.M.* (2024): Studies on α-amylase inhibition by acarbose and quercetin using fluorescence, circular dichroism, docking, and dynamics simulations. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy314, 124160.https://doi.org/10.1016/j.saa.2024.124160. Impact Factor:4.6
12. Alsharabi, R.M., Pandey, S.K., Singh, J., Kayastha, A.M.*, Saxena, P.S., and Srivastava, A.* (2024): Ultra-sensitive electrochemical detection of glutamate based on reduced graphene oxide/Ni foam nanocomposite film fabricated via electrochemical exfoliation technique using waste batteries graphite rods. Microchemical Journal 199, 110055. https://doi.org/10.1016/j.microc.2024.110055. Impact Factor: 5.1
13. Mohanta, A., Prasad, N., Khadim S.R., Singh, P., Singh, S., Singh, A., Kayastha, A.M., and Asthana, R.K.* (2024): Optimizing light regimes for neutral lipid accumulation in Dunaliella salina MCC 43: A study on physiological status and carbon allocation. World Journal of Microbiology and Biotechnology40: 82, https://doi.org/10.1007/s11274-024-03893-4. Impact Factor: 4.2
14. Kumar, A., Dutt, R., Srivastava, A.*, and Kayastha, A.M.*(2024): Immobilization of α-amylase onto functionalized molybdenum diselenide nanoflowers (MoSe2@-NFs) as scaffolds: Characterization, kinetic, and potential applications in starch-based industries. Food Chemistry442, 138431. https://doi.org/10.1016/j.foodchem.2024.138431. Impact Factor: 9.8
15. Kumar, P., Kayastha, A., Singh, V.K., and Kayastha, A.M.*(2024): An in silico structural and functional insight into the binding interactions of the modeled structure of watermelon urease with urea. ACS Omega9, 2272-2285. https://doi.org/10.1021/acsomega.3c05993. Impact Factor: 4.3
16. Alok Tripathi, Kriti Shrinet, Arvind Kumar* (May 2024) CGA mitigates HMGB1 mediated TLR4 activated hepatic cancer in urethane primed mice Phytomedicine plus. 4 & 2. ISSN 2667-0313,https://doi.org/10.1016/j.phyplu.2024.100554. Impact Factor: 2.46
17. Ritika Kumari Singh, Avinash Kumar Chaurasiya, Arvind Kumar (April 2024). ab initio modeling of human_IRS1_protein to find novel target to dock with drug_MH to mitigate T2DM_diabetes by insulin signaling. 3 Biotech 14, 108 (2024) Springer Nature, https://doi.org/10.1007/s13205-024-03955-2. Impact Factor: 2.9
18. Avinash Kumar Chaurasia, Ritika Kumari Singh, Arvind Kumar (April 2025) Synthesis, optimization, characterization, anti-oxidant and anti-cancerous activity analysis of nanoparticles IA-AuNPs synthesized using leaf extract of soil grown Ipomoea aquatic. Journal of Molecular Structure. Bibcode: 2025JMoSt132741212C. Doi: https://doi.org/10.1016/j.molstruc.2024.141212. Impact Factor: 4.7
19. Kumar, N., & Shukla, P*. (2024). Microalgal multiomics-based approaches in bioremediation of hazardous contaminants. Environmental Research, 247, 118135. https://doi.org/10.1016/j.envres.2024.118135 (Impact Factor: 7.7)
20. Bongirwar, R., & Shukla, P*. (2024). Engineering regulatory networks of cyanobacteria. Trends in Biotechnology, 42(8), 949-952. https://doi.org/10.1016/j.tibtech.2023.12.012 (Impact Factor: 14.9)
21. Kalwani, M., Kumari, A., Rudra, S. G., Chhabra, D., Pabbi, S*., & Shukla, P*. (2024). Application of ANN-MOGA for nutrient sequestration for wastewater remediation and production of polyunsaturated fatty acid (PUFA) by Chlorella sorokiniana MSP1. Chemosphere, 349, 140835. https://doi.org/10.1016/j.chemosphere.2023.140835 (Impact Factor: 8.1)
22. Tiwari, D., Kumar, N., Bongirwar, R., & Shukla, P*. (2024). Nutraceutical prospects of genetically engineered cyanobacteria-technological updates and significance. World Journal of Microbiology and Biotechnology, 40(9), 263. https://doi.org/10.1007/s11274-024-04064-1 (Impact Factor: 4.0)
23. Gupta, G. K., Kapoor, R. K., Chhabra, D., Bhardwaj, N. K., & Shukla, P*. (2024). Synergistic effect of cellulo-xylanolytic and laccase enzyme consortia for improved deinking of waste papers. Bioresource Technology, 408, 131173. https://doi.org/10.1016/j.biortech.2024.131173 (Impact Factor: 9.7)
24. Ranjan, K., Morais, J. A. V., Dixit, M., Nunes, L. C., Rodrigues, F. P., Muehlmann, L. A., Shukla, P*. & Poças-Fonseca, M. J. (2024). Antifungal efficacy of photodynamic therapy on Cryptococcus and Candida species is enhanced by Streptomyces spp. extracts in vitro. Lasers in Medical Science, 39(1), 255. https://doi.org/10.1007/s10103-024-04204-x (Impact Factor: 2.1)
25. Gupta, G. K., Sailwal, M., & Shukla, P*. (2024). Sustainable Nanotechnology Based Techniques for Mitigating the Pollutants from Pulp and Paper Industry. ACS omega, 9(49), 47904-47919. https://doi.org/10.1021/acsomega.4c06022 (Impact Factor: 3.7)
26. Rai, P., Pathania, R., Bhagat, N., Bongirwar, R., Shukla, P*., & Srivastava, S.* (2025). Current insights into molecular mechanisms of environmental stress tolerance in Cyanobacteria. World Journal of Microbiology and Biotechnology, 41(2), 53. https://doi.org/10.1007/s11274-025-04260-7 (Impact Factor: 4.0)
27. Kalwani, M., Minhas, A. K., Shukla, P*., & Pabbi, S*. (2025). Efficient nutrient sequestration and biomolecule production by Chlorella Sorokiniana MSP1 cultivated in industrial wastewater. Journal of the Taiwan Institute of Chemical Engineers, 105979. https://doi.org/10.1016/j.jtice.2025.105979 (Impact Factor: 5.5)
28. Bhagat, N., Gupta, G. K., Minhas, A. K., Chhabra, D., & Shukla, P*. (2025). Artificial Neural Network-Multi-Objective Genetic Algorithm based optimization for the enhanced pigment accumulation in Synechocystis sp. PCC 6803. BMC biotechnology, 25(1), 23. https://doi.org/10.1186/s12896-025-00955-9 (Impact Factor: 3.5)
29. Isha Sharma, Vinay Kumar Singh, Rajan Vyas and Malkhey Verma* (2025). Computational Insights into CHST11 and CHST13: homology modeling, molecular docking, and dynamics simulation for novel therapeutic targeting in cancers. Biochemical and Biophysical Research Communications, 777, 152323. (Impact Factor = 2.4)
30. Manvi Bansal and Malkhey Verma* (2025). Potential Therapeutic Targets in Chronic Myeloid Leukemia. Medical Oncology 42, 344. doi.https://doi.org/10.1007/s12032-025-02895-y. (Impact Factor = 3.5)
31. Sana Ansari and Malkhey Verma* (2025). miRNA expression based modulation: A new paradigm for the treatment of

chronic myeloid. BBA Reviews on Cancer, Elsevier, 1880, 189366. (Impact Factor = 9.7)

32. Shiv Shankar Sharma, Ashwani Pandey, Anamika Kashyap, Lakshay Goyal, Pooja Garg, Ranjeet Kushwaha, Jyoti Sharma, Shikha Tripathi, Sujata Kumari, George Thomas Thomas, Malkhey Verma, Navin C. Gupta, Ashish Kumar Gupta, Ramcharan Bhattacharya, Sandhya Sharma, Mahesh Rao (2025). CRISPR/Cas9: efficient and emerging scope for Brassica crop improvement. Planta, Springer Nature, 262(14), 1-36.. (Impact Factor = 4.4)
33. Pradip Paik, Sukanya Patra, Jyotirmayee Jyotirmayee, Krishan Kumar, Divya Pareek, Premshankar Gupta, Anjali Mourya, Taniya Das, Kirti Wasnik, Malkey Verma, Ruchi Chawla and Tarun Batra (2025). Organ Targeting Drug Delivery Systems (OTDDS) of poly[(N-acryloylglycine)-co-(N-acryloyl-L-phenylalanine methyl ester)] Copolymer Library and Effective treatment of Triple Negative Breast Cancer. Journal of Materials Chemistry B, Royal Society of Chemistry, 13, 3876-3894. (Impact Factor = 5.7)
34. Srivastava, U., Lal, K., Yadav, K., Mishra, D., & Dey, D*. (2025). In vitro studies and HRMS-based phytochemical profiling of callus and leaf extracts of Saraca asoca. Plant Biosystems, 159(1), 54–65. https://doi.org/10.1080/11263504.2024.2446781(Published: 06 Jan 2025) (Impact Factor = 1.3)
35. Saini, V., Bharti, A., Ondare, A., Lal, K., Dey, D. (2025). In-vitro Studies on Callus and Shoot Induction of Eichhornia crassipes. International Journal of Plant and Environment. 11(1), 134-143.https://doi.org/10.18811/ijpen.v11i01.15(Published: 28/03/2025) (Impact Factor = NA)
36. Mahto, R. K., Chandana, B. S., Singh, R. K., Talukdar, A., Swarnalakshmi, K., Suman, A., Vaishali, Dey, D., & Kumar, R. (2025). Uncovering potentials of an association panel subset for nitrogen fixation and sustainable chickpea productivity. BMC plant biology, 25(1), 693. https://doi.org/10.1186/s12870-025-06244-z(Accepted: 11 February 2025) (Impact Factor = 4.8)
37. Singh, D., Chaturvedi, V*., & Verma, P* (2025). The amazing world of biological pigments: A review on microbial melanins. Dyes and Pigments, 112711. Impact Factor: 4.2
38. Behari, J., & Kushwaha, A. K*. (2025). Non-canonical functions of PIP4K2A and its role in cancer biology: A review. Int J Biol Macromol, 318(Pt 3), 145157. doi:10.1016/j.ijbiomac.2025.145157. Impact Factor: 8.5
39. Kushwaha, D., Kushwaha, A. K., Kumar, R., & Chauhan, D. (2025). Recent advances in the synthesis of Glycoconjugated heterocycles: A promising strategy for accessing bioactive compounds. Bioorg Chem, 162, 108559. doi:10.1016/j.bioorg.2025.108559. Impact Factor: 4.7
40. Behari, J., Yadav, K., Khare, P., Kumar, B., & Kushwaha, A.K.. (2024). Recent insights on pattern recognition receptors and the interplay of innate immune responses against West Nile Virus infection. Virology, 600, 110267. doi:10.1016/j.virol.2024.110267 Impact Factor: 2.4
41. Kumar R., Chauhan D., Singh V. K., Kushwaha A. K., Kushwaha D. (2025). Design, synthesis, and in-silico studies of hydrazide-hydrazone linked coumarin glycoconjugates with possible antiproliferative activity. Carbohydrate Research, 556, 109620, https://doi.org/10.1016/j.carres.2025.109620 Impact Factor: 2.5
42. Glaviano, A., Singh, S. K., Lee, E.H.C., Okina, E., Lam, H. Y., Carbone, D., Luo, P., Reddy, E.P., O'Connor, M. J., Koff, A., Singh, G., Diana, P., Stebbing, J., Sethi, G., Carmelina, C., Yaffe, M. B., Wander, S.A., Bardia, A., Kumar A.P., Cell Cycle Dysregulation in Cancer, Pharmacological Reviews. 77(2), 100030. https://doi.org/10.1016/j.pharmr.2024.100030. Impact Factor: 17.3
43. Singh, G., Sharma, S.K., Mishra, N., Soni, A., Kumari, M., Singh, S.K.*. (2024). Targeting cell cycle regulators: A new paradigm in cancer therapeutics. BIOCELL, 48(12), 1639-1666. https://doi.org/10.32604/biocell.2024.056503. Impact Factor: 1.0
44. Singh, G., Bhopale, A. J., Khatri, S., Prakash, P., Kumar, R., Singh, S. M., & Singh, S. K*. (2024). Structural characterization of DNA-binding domain of essential mammalian protein TTF 1. Bioscience Reports, 44(8), BSR20240800. https://doi.org/10.1042/BSR20240800. Impact Factor: 4.7

Books and Book Chapters

1. Kumar, S., and Kayastha, A.M.*: Plant ureases. In Ureases: Functions, Classes and Applications (Eds. Braun R.L. and Carlini, C.R.Da.S.), View Series: Foundations and Frontiers in Enzymology, Elsevier, Brazil, 2024, 1st Ed., Chapter 5, pp. 1-472, ISBN: 9780323918008.
2. Kumar, A., Kumar, P., and Kayastha, A.M.*: Advantages of nanotechnology developments in active food packaging. In Handbook of Nanofillers (Eds. Mallakpour, S., and Hussain, C.M.), Applications of Nanofillers, Springer Nature Singapore, 2025, pp. 1-20, e-book ISBN 978-981-99-3516-1_113-1.
3. Kumar, A., and Kayastha, A.M.*: Next-generation health and biotech uses of self-healing polymer nanocomposites, In Smart Self-Healing Polymer Nanocomposites (Eds. Hussain, C.M., and Hoque, M.E.), Elsevier, 2025, Accepted.
4. Saini, D. K., Roy, D., Shukla, P*., & Pabbi, S. (2024). Algal Biorefinery: An Integrated Approach for Biofuels and Bio Commodities Production Coupled with Environmental Sustainability. In Algal Biotechnology (pp. 192-208). CRC Press.eBook ISBN9781003219194
5. Sharma, A., Shukla, P*., & Pandey, P. (2025). Significance of Plant Growth-Promoting Rhizobacteria in Alleviating Drought Stress in Crop Plants Under a Changing Climate for Sustainable Agricultural Production. In Microorganisms Resilience to Climate Change (pp. 81-96). Singapore: Springer Nature Singapore.https://doi.org/10.1007/978-981-96-3748-5_5
6. Jyotirmayee, Reshma Khanda, and Malkhey Verma* (2024). "Phage Power: Harnessing Nature's Arsenal in the Battle Against Microbial Threats for Sustainable Healthcare" Emerging Paradigms for Antibiotic-Resistant Infections: Beyond the Pill. Page No. 685-716. ISBN :978-981-97-5271-3(4). https://doi.org/10.1007/978-981-97-5272-0
7. Sukanya Patra, Jyotirmayee, Pradip Paik, Malkhey Verma (2025). Unlocking the Secrets of the King of Spices: Exploring Its Chemistry, Health Benefits, and Medicinal Wonders. Exploration of the Medicinal Potential Of Kitchen Ingredients. ISBN 9781032908069.
8. Jyotirmayee, Rishita Hazra, Ankita Kumari and Malkhey Verma (2025). Battling the Invisible Enemy: Unravelling the Crisis of Multidrug-Resistant Pseudomonas aeruginosa and Pioneering New Therapies
9. Kumar, R. R., Deepshikha, Bhardwaj, P., Banerjee, T., & Chaturvedi, V. (2025). Recent Trends in the Application of Nanoparticles and Nanocarriers Focused on Biomedical Research. In Polyhydroxyalkanoates: Sustainable Production and Biotechnological Applications III: Biomedical Sector (pp. 159-182). Singapore: Springer Nature Singapore.
10. Deepshikha, Kumar, R. R., Mondal, S., & Chaturvedi, V. (2025). Current Developments, Challenges, and Future Standpoints Corresponding to Antibacterial Agents with Special Reference to Polyhydroxyalkanoates (PHAs). In Polyhydroxyalkanoates: Sustainable Production and Biotechnological Applications III: Biomedical Sector (pp. 183-212). Singapore: Springer Nature Singapore.
11. Shivani, S., Akshita, S., & Ambuj Kumar, K. (2025). Chapter 7 - Cytokine response to coxsackievirus B3 infection. In S. Mukesh & K. Prashant (Eds.), Cytokine Response Against Major Human Viral Infections (pp. 113-125): Academic Press.
12. Mishra, N., Soni, A., Rathod, A.V., Singh, S.K., A Comprehensive Outline of Glioblastoma and Molecular Chemotherapy, Chemoresistance in Glioblastoma, Elsevier 2025 (in Press)

Department of Statistics

Research Papers and Articles

1. Sonam Gubreley, Ankita Gupta, S.K. Upadhyay (2024). Bayes Estimation of Capability Index Using Three-Parameter Weibull Distribution. Reliability: Theory & Applications, 19 (1 (77)), 523-530.ISSN: 1932-2321
2. Singh, S., Upadhyay, S.K. (2025). A Bayes Study of Human Fertility Curve Using Mixture of Two Weibull Densities. J Indian Soc Probab.Stat., 26, 437–461. https://doi.org/10.1007/s41096-025-00233-z. eISSN: 2364-9569
3. Singh, S., Gupta, A. and Upadhyay, S.K. (2024). Bayes Analysis of Hadwiger Fertility Model Using Markov Chain Monte Carlo Simulation. Aligarh Journal of Statistics, 44, 103-112.ISSN: 0971-0388
4. Singh, S., Gupta, A. and Upadhyay, S.K. (2025). Modelling Human Fertility Using Variance-adjusted Logistic Family of Distributions. American Journal of Mathematical and Management Sciences,https://doi.org/10.1080/01966324.2025.2530383. ISSN: 0196-6324
5. Pandey, P. K., Dev, P., Gupta, A., Pathak, A., Shukla, V. K., & Upadhyay, S. K. (2024). Analysis of Wide Modified Rankin Score Dataset using Markov Chain Monte Carlo Simulation. International Journal of Statistics in Medical Research, 13, 13-18.E-ISSN: 1929-6029/24.
6. Ashkamini, Sharma R. and Upadhyay S.K. (2024). Metropolis Algorithm Based Bayesian Analysis of a Competing Risk Data Using Copula-Frailty Model. Mathematical Methods of Statistics, 33(4), 420-431.ISSN: 1066-5307
7. Shukla, A., Ranjan, R., & Upadhyay, S. K. (2025). Bayes Analysis of Weibull Regression Model with Variable Selection: A Study Using Shrinkage Prior. American Journal of Mathematical and Management Sciences, 44(1), 23–48. https://doi.org/10.1080/01966324.2025.2491051
8. Verma, E., Singh, S. K., & Yadav, S. (2025). A new generalized class of Kavya–Manoharan distributions: inferences and applications. Life Cycle Reliability and Safety Engineering, 14(1), 79-91.
9. Srivastava, N. K., Singh, S. K., Sharma, V. K., & Singh, U. (2025). A New Class of Distributions for Modelling Continuous Positively Skewed Data Sets. Thailand Statistician, 23(1), 1-14.
10. Yadav, A. S., Singh, S. K., & Saha, M. (2025). On the Estimation of Generalized Lifetime Performance Index Based on Exponentiated Exponential Distributed Characteristics Under Progressive Censoring. Quality and Reliability Engineering International.
11. Yadav, S., Singh, S. K., & Kaushik, A. (2024). Parameter estimation of Burr type-III distribution under generalized progressive hybrid censoring scheme. Japanese Journal of Statistics and Data Science, 1-52.
12. Agnihotri, S., Singh, S. K., & Singh, U. (2024). Bayesian inferences and prediction of exponentiated exponential distribution based on multiple interval censored data. Computational Statistics, 1-21.
13. Son Preference and Contraceptive Prevalence in West Bengal: An Empirical Analysis 2025
14. Maya Singh, GP Singh: Prevalence, diagnosis, treatment and control of hypertension, diabetes and their co-occurrence, and its correlates in India using NFHS-5 data. CURRENT SCIENCE, VOL. 128, NO. 6, 25 MARCH 2025
15. Maya Singh, Gyan Prakash Singh and Isha Singh: Neutrosophic Rama Distribution with an Application. Neutrosophic Sets and Systems, Vol. 86, 2025 2025
16. Singh, R. and Mishra, R. (2024) : Generalized log type estimator of population mean in adaptive cluster sampling. J. Stat. Appl. Pro. Lett. 11(2), 73-79.
17. Singh, P., Singh, R., and Mishra, M. (2024) : Almost unbiased optimum ratio-type estimator population mean in stratified sampling in presence of non-response. Braz. Jour. of Biom. 42, 68-77. doi:10.28951/bjb.v42i1.656
18. Singh, R. and Yadav, S.K. (2024) : Efficient estimators of population coefficient of variation under simple random sampling using single auxiliary variable. J. Stat. Appl. Pro. Lett.
19. Singh, R., Mishra, R., Kumari, A. and Yadav, S.K. (2024) : Almost unbiased estimators for population coefficient of variation using auxiliary information. AJPS 26(5), 1-18.
20. Singh, R. and Kumari, A. (2024) : Neutrosophic ranked set sampling scheme for estimating population mean : An application of to demographic data. Neutrosophic sets and systems (68), 246-270.
21. Raghav, Y.S., Singh, R., and Mishra, R., Adichwal, N.K., Ali, I. (2024) : Efficient class of robust ratio type estimators of mean and variance in ACS. Int. jour. of Agri. Stats. 20(1), 173-186.
22. Singh, R. and Rai, S. (2024) : Estimation of population mean using auxiliary information from the Poisson population, JSR 68(2), 24-29.
23. Mishra, P., Sharma, A., Adichwal, N.K., Singh, Rai, S. and Singh, R. (2024) : Log-product type estimator for estimation of population variance using auxiliary information. Thailand Statistician 22(3), 610-617.
24. Singh, R., Sharma, P. and Mishra, R. (2024) : Generalized log type estimator of population mean in ACS. J.S.A.P.L. 11(2).
25. Kumari, A., Singh, R. and Florentin, S.(2024) : New modification of ranked set sampling for estimation of population mean : Neutrosophic median ranked set sampling with an application to demographic data. Int. Jour. of Comp. Intel. Systm. 17:210, 1-15.
26. Singh, R. and Yadav, S. K. (2024) : Efficient estimators of population coefficient of variation under SRS using single auxiliary variable. J.S.A.P.L. 11(3), 109-121.
27. Singh, R. and Kumari, A. (2024) : Preliminary estimators of population mean using RSS in the presence of measurement

error and non-response error with applications and simulation study. Brazilian jour of Biometrics, 42, 272-288.

28. Singh, R., Saroj, C. and Kumari, A. (2024) : Understanding stunting and its determinant among children in the most populous state of India using estimation of population mean under RSS in the presence of missing data. Math. PopIn. Stud. DOI: 10.1080/08898480.2024.2402011
29. Singh, P. and Singh, R. (2024) : Improved generalized exponential estimators in SRSWOR using some transformations. JSMS. DOI : 10.47974/JSMS-1224
30. Mishra, R., Singh, R. and Singh, Y. R. (2024) : On combining ratio and product type estimators for estimation of finite population mean in ACS design. Brazilian journal of Biometrics, 42, 412-420.
31. Singh, R., Kumari, A., Smarandache, F., Tiwari, S. N. (2024): Construction of almost unbiased estimator for population mean using neutrosophic information. NSS 76, 449-463.
32. Sharma, P., Kumari, M., Singh, P., Singh, R. (2024): Estimation procedures for population mean using EWMA for time scaled survey. Sankhya B
33. Mishra, R., Singh, R. and Adichwal, N. K. (2025): A novel ratio cum product type exponential class of estimators of finite population mean in Adaptive cluster sampling. Braz. Jour of Biometrics 43, 1-11.
34. Singh, R. Tiwari, S. N. (2025): Improved estimator for population mean utilizing medians of two auxiliary variables under neutrosophic framework. Neutro. Syst. With Appl.
35. Singh, R., Yadav, S. K., Sharma, P. (2025): Almost unbiased estimator for unknown population median using auxiliary information. PJS 41(2), 139-150.
36. Singh, V. Singh, R. and Kumari, A. (2025): Application of neutrosophic stratified ranked set sampling : An efficient sampling technique in the estimation of average relative humidity in USA. IJNS 26(3), 166-190.
37. Yadav, S. K., Singh, R., Tiwari, S. N. (2025): Estimation of population mean utilizing two neutrosophic auxiliary variables with imprecise information. Uncert. Disc. Appl. 2(1), 17-31.
38. Vikas Baranwal and Sanjeev K. Tomer (2025): Parametric inference for an extended illness-death model in the presence of censored data, Journal of StatisticalComputation and Simulation, DOI: 10.1080/00949655.2025.2510657
39. Brijesh P. Singh, Utpal Dhar Das, Kadir Karakaya, Hassan S. Bakouch & Badamasi Abba (2024) "Doubly bounded exponential model: Some information measures and estimation", Communications in Statistics - Theory and Methods, 53:22, 7842-7859, DOI:10.1080/03610926.2023.2273779
40. Brijesh P. Singh, Ayushi Chourasiya & Hricha Rai (2024) "Progress in Reproductive Health in India, 1992-2021: Evidence from National Family Health Survey", Indian Journal of Population and Development, 4(1), 75-92. ISSN: 2583-4827
41. Brijesh P. Singh, Tanya Singh & Alok Kumar Singh (2024) "Is Increasing Age at Marriage Really Effective in Reducing Completed Fertility? Evidence from the Multinomial Analysis of the Fifth Round of the National Family Health Survey in India (2019-21)", International Journal of Agriculture and Statistical Sciences, 20(1), 21-32. ISSN: 0973-1903, e-ISSN: 0976-3392, DOI: https://doi.org/10.59467/IJASS.2024.20.21
42. Brijesh P. Singh and Hricha Rai (2024) "A Non-parametric Approach to Extrapolate the Demographic Indicators of Small Subsections of the Population". International Journal of Agricultural and Statistical Sciences, 20(2), 351-361. ISSN: 0973-1903, e-ISSN: 0976-3392, DOI: https://doi.org/10.59467/IJASS.2024.20.351
43. Maurya, R.K., A.K.Tiwari, Brijesh P. Singh&A. Singh (2025) A Probabilistic Study of durationPost-partum Amenorrhea in rural Uttar Pradesh. Brazilian Journal of Biometrics,43(2), e–43739 (2025). https://doi.org/10.28951/bjb.v43i2.739, ISSN: 2764-5290
44. R.C. Yadava, Brijesh P. Singh, Abhay Kumar Tiwari& Piyush Kant Rai (2025) Under-NutritionAmong Rural Women of Eastern Uttar Pradesh, India: Results from a Survey. Research and Reviews: A Journal of Health Professions. 15(1), 22-45. Available from: https://journals.stmjournals.com/rrjohp/article=2025/view=206563, ISSN: 2277-6192 (Online)
45. Jayendra Kumar Singh, Brijesh P. Singh, Gyan P. Singh& Sandeep Singh (2025) SonPreference and Contraceptive Prevalence in West Bengal: An Empirical Analysis. South Eastern European Journal of Public Health (SEEJPH), XXVII, 349–359.https://doi.org/10.70135/seejph.vi.5271, ISSN: 2197-5248
46. Brijesh P. Singh & Hricha Rai (2025) Analyzing Menstruating Interval to the First Conception: An Application of CPH and AFT Models. Journal of Population and Social Studies (JPSS), 34, 199-216. http://doi.org/10.25133/JPSSv342026.011, ISSN: 2465-4418
47. Rai, P.K., Tiwari, S., and Alka (2024). Calibration Approach - based estimator of population total under successive sampling design, Communications in Statistics - Theory and Methods, 54(1):1-15, DOI: 10.1080/03610926.2024.2389955
48. Rai, P.K., Tiwari, S., Alka and Ekpenyong, E. J. (2025). Class of composite estimators of population total using calibration estimation based on matched and unmatched sample under successive sampling, Journal of Statistical Computation and Simulation, 95(4), 886-903,.https://doi.org/10.1080/00949655.2024.2441469
49. Goyal, T., Rai, P.K., Panwar, M.S. and Maurya, S. (2025). Bayesian inference for exponentiated inverted Weibull distribution in presence of progressive type II censoring, Statistica Applicata-Italian Journal of Applied Statistics, 1-33 DOI: https://doi.org/10.26398/IJAS.248
50. Singh, A., Rai, P.K., Qasim, M. (2024). A Dual Problem of Calibration Ratio-Type Estimator under Stratified Systematic Sampling Scheme, Journal of the Iranian Statistical Society, 23(1), 117-130. DOI: 10.22034/jirss.2024.1999153.1017
51. Yadava, R. C. and Rai, P.K. (2024). A Revisit to "Chance Mechanism of the Variation in the Number of Births Per Couple", Demography India, 53(1), 1-6. ISSN 0970-454X
52. R. C. Yadava, Abhay Kumar Tiwari, Vaishali Patel, & Pappu Kumar Singh (2025). Use of Distribution Function in Estimation of Mean of Some Demographic Duration Variables. Journal of Reliability and Statistical Studies, 18(1).
53. R.C. Yadava, A.K. Tiwari and Mahima (2025): On the Measurement of Son Preference in Quantitative Terms, Demography India Vol. 54, No. 1, pp. 64-75
54. Abhay Kumar Tiwari, Ravikant Maurya and Pappu Kumar Singh (2025): Proximate Determinants of Fertility in India and Estimation of Total Fertility Rate, Brazinial Journal of Biometric, v.43, PP. 1-14, doi:10.28951/bjb.v43i1.771
55. Yadava R. C., Brijesh P. Singh, Abhay Kumar Tiwari, Piyush Kant Rai (2025): Under-Nutrition Among Rural Women of Eastern Uttar Pradesh, India: Results from a Survey, Research & Reviews: A Journal of Health Professions, Volume 15, Issue 1, 2025 January- April DOI (Journal): 10.37591/RRJoHP
56. Maurya Ravikant, A K Tiwari, Brijesh P Singh, Anuj Singh (2025): A Probabilistic Study of Duration of Post-partum Amenorrhoea in rural Uttar Pradesh, Brazilian Journal of Biometrics,43, PP. 1-8
57. Tiwari Abhay Kumar and Saroj Chitra (2025): The Cause and Trend of Contraceptive Discontinuation in India: A Comprehensive Analysis Employing a Multiple Decrement Model, Brazinial Journal of Biometric, v.43, e43734, PP. 1-14, doi:10.28951/bjb.v43i1.734
58. Tiwari AK, Patel Vaishali, and Saroj Chitra (2024): What a women desire: application of conjoint analysis for analysing the choice of menstrual hygiene products and factors influencing their consummatory behaviour. Scr Med. 2024 Nov-Dec;55(6):707-15.
59. Ashish Kumar Verma, Richa Panchgaur and Alok Kumar, "Assessing Self-Rated Health among Rural Older Adults in Varanasi amidst COVID-19 Crisis: A Cross-Sectional Analysis", Global Social Welfare, Vol. 11, pp. 381-89, 2024.
60. Yadav P., Alok Kumar and Sangeeta Kansal, "The Perception of Frontline Health Workers on reduction of Anaemia among Adolescents: A Qualitative inquiry in Varanasi", Indian Journal of Community Health, Vol. 36, No. 3, 2024.
61. Sangeeta Kansal, Archana Pandey, Alok Kumar, Jaya Tapadar and Mona Srivastava, "Psychological and Behavioural Implications of the Pandemics: Strengthing the Mental Health Component in the Existing Health System", Indian Journal of Preventive and Social Medicine, Vo. 55(3), pp. 248-52, 2024.
62. Mishra, R.,, Metwally, D.S., Singh, R. and Adichwal, N. K. (2025) : On estimating the finite population mean using improved estimators in adaptive cluster sampling. Jour. of Rad. Res. And Apl. Sci. 18. https://doi.org/10.1016/j.jrras.2025.101593
63. Kumar, N., and Chakraborti, S. (2025). ARL-Unbiased Exponential Control Charts With Estimated Parameters: Statistical Design and Implementation. Qualityand Reliability Engineering International. https://doi.org/10.1002/qre.3790
64. Singh, T., and Kumar, N. (2025). Improving the X-control chart: A novel scheme based on runs and scans rules. Computers & Industrial Engineering, 200,https://doi.org/10.1016/j.cie.2024.110852.
65. Baranwal, A., Kumar, N., Chatterjee, K., and Koukouvinos, C. (2024). A new EWMA chart for simultaneously monitoring the parameters of a shifted exponential distribution. Journal of Applied Statistics, 52(1), 221–252. https://doi.org/10.1080/02664763.2024.2363404
66. KUMAR, P. K. CHAURASIA, P. KUMAR, A. SAHOO: ESTIMATION AND APPLICATION OF A NEW GENERALIZATION OF EXPONENTIAL DISTRIBUTION; RELIABILITY: THEORY & APPLICATION; NO 2 (84) VOLUME 20; JUNE 2025; PP. 282-294; ISSN 1932-2321; https://doi.org/10.24412/1932-2321-2025-284-282-294.
67. Yadav, A. S., Kumar Singh, S., & Saha, M. (2025). On the estimation of generalized lifetime performance index based on exponentiated exponential distributed characteristics under progressive censoring. Quality and Reliability Engineering International, 1, 1–17. https://doi.org/10.1002/qre.3739
68. Yadav, A. S., Saha, M., & Dey, S. (2025). Classical and Bayesian estimation of the reliability characteristics for logistic-exponential distribution. Afrika Matematika, 36(1), 34. https://link.springer.com/article/10.1007/s13370-025-01250-8
69. Yadav, A. S., Shukla, S., Saha, M., Koley, D., & Jaiswal, N. (2024). On progressively Type-II censored inverse Lomax distribution: Characterizations, estimation and application to cancer data. REVSTAT – Statistical Journal. https://doi.org/10.57805/revstat.vi.696
70. Yadav, S., Singh, S. K., & Yadav, A. S. (2025). Stress-strength reliability estimation of Xgamma distribution under generalized progressive hybrid censoring scheme. Life Cycle Reliability and Safety Engineering. https://doi.org/10.1007/s41872-025-00317-6
71. Md. Tahir, Singh, S. K., &Yadav, A. S. (2025). Log transformed transmuted exponential distribution: An increasing hazard rate model to deal with cancer patients data. Stochastic Models in Probability and Statistics,2(1), 57–74.
72. Saha, M., Dey, S., Maiti, S. S., & Yadav, A. S. (2025). A comparative study of six process capability indices and their applications to electronic and food industries. Stochastics and Quality Control, 1, 1–17.
73. Kumari, M., Sharma, P., & Singh, P. (2025). Variance Estimation Techniques in Time Scale Survey using Dual Auxiliary Variables: Mathematical and Simulation Approach: Accepted - June 2025.REVSTAT-Statistical Journal.(Q4, SCIE) Published: 03 June 2025 DOI: https://revstat.ine.pt/index.php/REVSTAT/article/view/922 (Impact Factor 0.9)
74. Singh, P., Sharma, P., & Singh, A. (2025). Estimation of population mean using generalized neutrosophic exponential estimators. Research in Mathematics, 12(1), 2474774. (Taylor & Francis, Q1, ESCI) Published: 19 March 2025 DOI: https://doi.org/10.1080/27684830.2025.2474774 (Impact Factor 1.1)
75. Singh, P., Maurya, P., & Sharma, P. (2025). Addressing non-response and measurement errors in time-scaled surveys. Discover Applied Sciences, 7(5), 1-27.(Springer, Q2, ESCI) Published: 19 April 2025 DOI: https://doi.org/10.1007/s42452-025-06676-0 (Impact Factor 2.8)
76. Singh, P., Singh, A., & Sharma, P. (2025). A New Class of Logarithmic Estimators using Subsidiary Information: Real-World Applications and Simulation Insights. Sankhya B, 1-27. (Springer, Q3, ESCI) Published: 19 March 2025 DOI: https://doi.org/10.1007/s13571-025-00356-0 (Impact Factor 0.6)
77. Kumari, M., Sharma, P., Singh, P., & Ozel, G. (2025). Enhanced Mean Estimation Using Memory Type Estimators with Dual Auxiliary Variables: Accepted-January 2025. REVSTAT-Statistical Journal.(Q4, SCIE) Published: 31 January 2025 DOI: https://revstat.ine.pt/index.php/REVSTAT/article/view/892 (Impact Factor 0.9)
78. Singh, P., Sharma, P., & Maurya, P. (2025). Enhancing Accuracy in Population Mean Estimation with Advanced Memory Type Exponential Estimators. Journal of Reliability and Statistical Studies, 17(2),417-434.(Q4, ESCI) Published: 09 January 2025 DOI: https://doi.org/10.13052/jrss0974-8024.1728 (Impact Factor 0.9)
79. Singh, A., Singh, P., Sharma, P., &Aloraini, B. (2025). Estimation of Population Mean using Neutrosophic Exponential Estimators with Application to Real Data. International Journal of Neutrosophic Science (IJNS), 25(3), 322-338. (Q1,SCOPUS) Published: January 2025 Doi: https://doi.org/10.54216/IJNS.250329

80. Singh, P., & Gupta, S. (2025). Combining Two Auxiliary Variables for Elevated Estimation of Finite Population Mean under NeutrosophicFramework. Neutrosophic Sets and Systems, 76(1), 275-287.(Q2,SCOPUS) Published: January 2025 DOI: 10.5281/zenodo.13997073
81. Singh, P., Sharma, P., Singh, R., Aloraini, B., & Akhtar, A. (2024). Optimizing population mean estimation in stratified sampling using linear cost: A simulation study. Heliyon, 10(24), 1-13. (Elsevier, Q1, SCIE) Published: 02 December 2024 DOI: 10.1016/j.heliyon.2024.e40878 (Impact Factor 3.4)
82. Sharma, P., Singh, P., Kumari, M., & Singh, R. (2024). Estimation Procedures for Population Mean using EWMA for Time Scaled Survey. Sankhya B, 86 (2),1-26.(Springer, Q3, ESCI) Published: 08 November 2024 DOI: https://doi.org/10.1007/s13571-024-00347-7 (Impact Factor 0.6)
83. Singh, P. and Singh, R. (2024). Improved generalized exponential estimators in simple random sampling without replacement using some transformations, 27(7),1413–1431. DOI: 10.47974/JSMS-1224. Published: 30 November 2024 DOI:https://doi.org/10.47974/JSMS-1224
84. Sharma, Vikas Kumar, Sudhanshu V. Singh, and Komal Shekhawat. "Discussion comments on "Exponentiated Teissier distribution with increasing, decreasing and bathtub hazard functions"." Journal of Applied Statistics 51.13 (2024): 2715-2717.
85. Kumari, Akanksha, and Vikas Kumar Sharma. "Bayes estimation of defective proportion for single shot device testing data with information on masking and manufacturing defects." Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability (2024): 1748006X241299018.
86. Kumar, Kaushalendra, et al. "Acute Febrile Illness in India: An Epidemiological Retrospective Study." Infectious Disorders-Drug Targets 25.4 (2025): E18715265315051.
87. Srivastava, Nishant Kumar, et al. "A New Class of Distributions for Modelling Continuous Positively Skewed Data Sets." Thailand Statistician 23.1 (2025): 1-14.
88. Tiwari A K and Ravikant Maurya (2024): "Socio-Economic Status Measurement Scale for Rural Population: A Caste Wise Analysis" published in "Population and Health Development Experiences and Challenges" by Dr. Jeetendra Yaday, Dr. Anil Chandran S. PP. 148-165
89. Alok Kumar, "Prevalence of Pre-frailty and Frailty among Middle-aged and Older Adults of India",https://www.wce2024.org › uploads › 2024/10

Department of Zoology

Research Papers and Articles

1. Singh Gurvachan and Singh A. K. 2024. Microsatellite polymorphism based genetic variation in the two sympatric species of Drosophila: Drosophila bipectinata and D. malerkotliana. Ecological Genetics and Genomics, 32: 100272.
2. Yadav, N. and Singh, A. K. 2024. Larvae of Zeugodacus cucurbitae (melon fruit fly) grown on varying natural food contents experience significant effect on their weight and biochemical parameters. Biochemical and Cellular Archives, 24 (2): 1981-1987.
3. *Bind P. K. and Singh A. K. 2024.* Venturing into Drosophila fly collection: A sharable experience that may help to plan and execute the task. Ind.J. Sci. Res. 24: 123-125.
4. *Das, A. and Singh A. K. 2025.* A Drosophila melanogaster gynandromorph showing mosaic sexual dimorphism. Ind. J. Sci. Res. 15(2): 31-33.
5. *Das, A. Upadhyay S. and Singh A. K. 2025.* Sex comb in Drosophila flies: A secondary sexual character that renders reproductive significance. Ind. J. Sci. Res. 15(2): 85-88.
6. Upadhyay Shweta and Singh A. K. 2025. Determination of median lethal concentration (LC50) for Arsenic to fruit fly, Drosophila ananassae. Biochemical and Cellular Archives, 25: 281-285.
7. Singh V., Singh R., Goswami P., Manna P., Baul T. S. B., Mandal A., Singh A. K., and Koch B. 2025. Influences of aqua-(2-formylbenzoato) triphenyltin (IV) on regression of hypoxic solid tumor through mitochondrial mediated pathway by inhibiting Hif-1 alpha. Scientific Reports, 15:5302.
8. *Das, A., Upadhyay S., Boro R and Singh A. K. 2025.* Genotype and protein rich diet leave their substantive influence on reproduction as well as biochemical parameters in *Drosophila ananassae.* J. Sci. Res. 69: in press.
9. Das A. Upadhyay Shweta, Bind Praveen K. and Singh A. K. 2025. Distinctive evidence for the impact of white eye gene mutation causing diminished mating propensity in Drosophila melanogaster. Munis Entomology and Zoology. 20: in press.
10. Book Chapters:
11. Pratap R., Kumari S., Chaturvedi N., Mishra R. and Bhattacharya S., (2024 November) Synthesis, characterization, and biological applications of zinc(II) complexes of the methylthiosalicylate ligand, New J. Chem., 48, 19763 DOI: 10.1039/d4nj03927k rsc.li/njc
12. Kushwah, A. S., Srivastava, K., Mishra, R., & Banerjee, M. (2024 May). Impact of human papillomavirus (HPV) infection on the treatment outcome of concomitant chemoradiotherapy (CRT) in cervical cancer. Current Cancer Therapy Reviews, 20(3), 320-326 DOI: 10.2174/1573394719666230807161948
13. Singh, J., Kumari, U., Prakash, R., Maiti, P., Mittal, S., & Mittal, A. K. (2025). Alterations in the epidermis and mucus viscosity of the carp, Cirrhinusmrigala, experimentally infected with Edwardsiellatarda. Microbial Pathogenesis, 107883. (Q2 Journal) Impact factor: 3.5
14. Tripathi, A., Gayen, T., Mittal, S., & Kumari, U. (2025). Alterations in certain oxidative, physiological, neurological, and immune parameters in the skin of cyprinus carpio exposedto triclosan. Toxicological & Environmental Chemistry, 107(6), 1045-1072. https://doi.org/10.1080/02772248.2025.2515397. (Q3 Journal) Impact factor: 1.1
15. Gayen, T., Tripathi, A., Mittal, S., & Kumari, U. (2024). Assessment of cell death in the liver of Labeorohita on exposure to an emerging contaminant aspirin: an immunofluorescent, flow cytometric and biochemical investigation. Fish Physiology and Biochemistry, 1-12. https://doi.org/10.1007/s10695-024-01405-7(Q1 Journal) Impact factor: 3.014
16. Tripathi, T. Gayen, U. Kumari, S. Mittal, A. K. Mittal (2024). Assessment of triclosan-induced histopathological and biochemical alterations, and molecular docking simulation analysis of acetylcholinesterase enzyme in the gills of fish, Cyprinus carpio. Environmental Science and Pollution Research.https://doi.org/10.1007/s11356-024-33840-7. (Q1 Journal) Impact factor: 1.01
17. Gautam K, Devnani C, Dixit S, Shrivastav P, Dasgupta S, Nandineni MR, Thangaraj K, Rawal R and Chaubey G*. Forensic and phylogenetic characterization of 24 autosomal STR in the Sindhi population of India. Gene Reports 2025. 40. https://doi.org/10.1016/j.genrep.2025.102234
18. Sharma S, Chilukuri RVE, Shetkar R, Kumawat RK, Sahajpal V, Dixit S, Mohapatra BK, Yadav DS, Dev K, Mohammed R, Ahmad U, Yadav KM, Pundir A, Sequeira JJ and Chaubey G. Developmental validation of the Ingenomics™ AutoProfiler STR system: a 6-dye STR multiplex kit for forensic DNA applications. Nucleus 2025. https://doi.org/10.1007/s13237-025-00540-7
19. Singh PP, Pathak AK, Tiwary SK, Desai S, Mishra RK, Tamang R, Shinde V, Villems R, Kivisild T, Metspalu M, van Driem G, Sultana GNN, Chaubey G. Brahui and Oraon: Tracing the Northern Dravidian genetic link back to Balochistan. Hum Popul Genet Genom 2025; 5(1):0003. https://doi.org/10.47248/hpgg2505010003
20. Banerjee S, Das T, Chaubey G, Srivastava A. Unveiling the diversity and potential of STR markers across India - a systematic review. Human Gene, Volume 44, 2025, 201400https://doi.org/10.1016/j.humgen.2025.201400.
21. Desai S, Singh PP, Pandey RK, Mishra RK, Chaubey AK, Kumar A, Tiwary SK, Gupta SK, Achilli A, Rambaldi Migliore N, Chaubey G*.Multiple Domestication Centers of the Indian Pig Population.Genome Biol Evol. 2025 Mar 6;17(3):evaf030. doi: 10.1093/gbe/evaf030.
22. Mishra RK, Singh PP, Rai N, Desai S, Pandey P, Tiwary SK, Tamang R, Suravajhala P, Shrivastava P, Thangaraj K, van Driem G, Chaubey G*.Reconstructing the population history of the Nicobarese.Eur J Hum Genet. 2024 Dec 6. doi: 10.1038/s41431-024-01720-w. Online ahead of print.
23. Mubarik N, Ganei MA, Dixit S, Kumawat RK, Sequeira JJ, Ahangar NA, Kanth SA, Dar IA, Mushtaq I, Mohsin M, Mustak MS, Chaubey G, Hamid S, Shrivastava P.Exploring the genetic implications of demographic dynamics in Jammu and Kashmir using autosomal STRs.Int J Legal Med. 2024 Nov 7. doi: 10.1007/s00414-024-03364-3. Online ahead of print.
24. Dixit S, Shrivastava P, Jeevan Sequeira J, Mustak MS, Rana M, Kushwaha P, Shrivastava D, Kumawat RK, Pratap Singh P, Tiwary SK, Chauhan NK, Chaubey G.The maternal genetic history of tribal populations of Chhattisgarh, India. Mitochondrion. 2024 Nov;79:101970. doi: 10.1016/j.mito.2024.101970. Epub 2024 Sep 26.
25. Sequeira JJ, Panda M, Dixit S, Kumawat R, Mustak MS, Sharma AN, Chaubey G, Shrivastava P.Forensic Characterization, Genomic Variability and Ancestry Analysis of Six Populations from Odisha Using mtDNA SNPs and Autosomal STRs.Biochem Genet. 2024 Jul 22. doi: 10.1007/s10528-024-10887-2
26. Welikala A, Desai S, Pratap Singh P, Fernando A, Thangaraj K, van Driem G, Adikari G, Tennekoon K, Chaubey G*, Ranasinghe R. The genetic identity of the Vedda: A language isolate of South Asia. Mitochondrion. 2024 Apr 14:101884. doi: 10.1016/j.mito.2024.101884. Online ahead of print.
27. Pandey RK, Srivastava A, Mishra RK, Singh PP, Chaubey G*. Novel genetic association of the Furin gene polymorphism rs1981458 with COVID-19 severity among Indian populations. Sci Rep. 2024 Apr 3;14(1):7822. doi: 10.1038/s41598-024-54607-7.
28. Kumar S, Singh PP, Pasupuleti N, Tripathi VM, Chauley MK, Chaubey G*, Rai N. The genetic admixture and assimilation of Ahom: a historic migrant from Thailand to India.Hum Mol Genet. 2024 Mar 27:ddae054. doi: 10.1093/hmg/ddae054. Online ahead of print.
29. Joy KP and Chaube R. 2024. Kisspeptin control of hypothalamus -Pituitary-ovarian functions. Vitamins and Hormones, 127;153-206
30. S. Singh, S.Yadav, R.Chaube, D. Kumar. 2025. Toxicity of Pentachlorophenol exposure on male and female H. fossilis investigated using NMR-based metabolomics approach. Feb (2025) ACS omega 10 (7)DOI:10.1021/acsomega.4C03407. IF: 3.512
31. Ashvani Kumar Srivastav, Saumya Singh and Radha Chaube. 2025. Acute toxicity of 4-octylphenol on the histopathological changes of ovary in the freshwater stinging catfish Heteropneustes fossilis. Journal of Experimental Zoology, India 28 (1): 189-196. DOI:10.51470/jez.2025.28.1.189. IF: 2.553
32. Shaw R, Hati R, Sharma S, Deep S, and Chaube R (2025). Protective role of curcumin in cadmium induced physiological and reproductive toxicity in male BALB/c mice. Phytomedicine Plus. 5(2),100803. https://doi.org/10.1016/j.phyplu.2025.100803
33. Shaw R, Das S, Chaube R (2025). Reproductive Health Benefits of Euryale ferox Salisb.: A Short Comprehensive Review. Journal of Endocrinology and Reproduction. (In Press)
34. Shaw R, Kamath A, Chaube R (2025). An overview on neurobehavioral and developmental toxicity induced by xenoestrogens, Discover Toxicology (In Press).
35. Shaw R, Pal A, Ghosh A, Kamath A, Chaube R (2025). Emerging Prospects and Consequences of Environmental Neurotoxic Pollutants in the Vertebrate System. Discover Toxicology (Manuscript under Revision).
36. Shaw R, Deep S, Jha V, and Chaube R (2025). Euryale ferox Salisb. ameliorates cadmium-induced testicular and hepatic impairments in male mouse model. International Journal of Biological Innovations. 7(1): 54–65. https://doi.org/10.46505/IJBI.2025.7107
37. Shaw R, Ansari Z, and Chaube R (2024). Computational Three-Dimensional Modelling of the β Subunit of Follicle-Stimulating Hormone in Stinging Catfish (Heteropneustes fossilis). Acta Scientific Veterinary Sciences, 6.10: 52-61, DOI: 10.31080/ASVS.2024.06.0933
38. Suman, Gaurav P, Joshi M, Chaube R, Gautam Geeta J. 2025. Toxicogenomic profiling of Endocine disruptor 4-nonylphenol in male catfish Heteropneustes fossilis with respect to gonads. Sci Rep 15 14307 (2025) https: //doi.org/10.1038/s41598-025-9226-4
39. Ranjit Shaw, Raktim Hati, Sandhya Sharma, Shikhardeep, Radha Chaube. 2025. Protective role of curcumin in cadmium – induced physiological and reproductive toxicity in male BALB/c mice. Phytomedicine Plus. Volume 5, Issue 2, May 2025, 100803 Doi10.1016/j.phyplu.2025.100803.
40. Ranjit Shaw, Anmol S. Kamath, Radha Chaube. 2025. An overview of neurobehavioral and developmental toxicity induced by xenoestrogens.June 2025; Discover Toxicology 2(1) DOI: 10.1007/s44339-025-00025-x
41. Reeta Ragini, Shubham Tripathi, Radha Chaube. 2025. 4-TERT-BUTYLPHENOL-INDUCED REPRODUCTIVE ENDOCRINE DISRUPTION IN THE FRESHWATER STINGING CAT FISH HETEROPNEUSTES FOSSILIS. January 2025.International Journal of Biological Innovations 07(02):131-141. DOI: 10.46505/IJBI.2025.7204

42. Shaw R, Deep S, Jha V, and Chaube R (2025). Euryale ferox Salisb. ameliorates cadmium-induced testicular and hepatic impairments in male mouse model. International Journal of Biological Innovations. 7(1): 54–65. https://doi.org/10.46505/IJBI.2025.7107
43. Shaw, R., Das, S., &Chaube, R. (2025). Reproductive Health Benefits of Euryale ferox Salisb.: A Short Comprehensive Review. Journal of Endocrinology and Reproduction, 28(3), 183–190. https://doi.org/10.18311/jer/2024/44756
44. Srivastava P, Verma V K, Mehata A K, Singh M, Sabbarwal S, Muthu M S, Koch B, Kumar M (2025)Bright Fluorescent Biocompatible Magnozyme Nanoclusters for Brain-Cell In-vivo Live Imaging. Colloids and Surfaces B: Biointerfaces, 114630
45. BasuBaul T S*, Das A, Tamang R, Duthie A, Koch B*, Parkin S* (2025)
Synthesis, structural analysis, and systematic exploration of the antitumor activities of triphenyltin(IV) 2-hydroxy-5-(phenyldiazenyl)benzoates through the modulation of trifluoromethyl variants. Journal of Inorganic Biochemistry, 269, 112898
46. Singh S, Bandyopadhyay K, Sharma V K, Koch B, Saha S (2025)Harnessing ConformationalChanges in TAM for Enhanced Photophysical Properties leading to Biological Applications.
Dyes and Pigments, 112865, Doi.org/10.1016/j.dyepig.2025.112865 (IF:4.1)
47. Singh A, Yadav P, Singh A K, Tamang R, Koch B, Singh V P (2025)Ultrasound defect sensitive blue-shifted emissive mechanochromic material for detection of Cu2+ in Alzheimer's disease cells.Materials Chemistry Frontiers. DOI: 10.1039/D5QM00203F
48. Singh V, Singh R, Goswami P, Manna PP, BasuBaul TS, Mandal A, Singh AK, Koch B* (2025) Influences of aqua-(2- formylbenzoato) triphenyltin(IV) on regression of hypoxic solid tumor through mitochondrial mediated pathway by inhibiting Hif-1 alpha. Scientific Reports , https://doi.org/10.1038/s41598-025-89761-z (IF: 3.8), Q1
49. Mehata A K, Verma V K, Singh V, Setia A, Vikas, Viswanadh M K, Sabbarwal S, Kumar M, Koch B, Muthu M S (2025)Fluorescent Calcium Nanocluster-Driven Theranostic Nanoplatforms for Advanced Imaging and Therapy in Breast Tumor.ACS Applied Nano Materials, https://doi.org/10.1021/acsanm.4c06929 (IF: 5.3). Q1
50. Yadav A K, Singh V, Kushwaha R, Kunwar A, Koch B *, Banerjee S* (2025)
Anticancer potential of polypyridyl-based Ir(III)-coumarin 6 conjugates under visible light and dark. Inorganic Chemistry Communications, https://doi.org/10.1016/j.inoche.2025.114184 (IF: 4.4), Q1
51. Kumar m, Goswami P, Jha A, Pawar V D, Koch B*, Mishra B* (2025)
Formulation and Evaluation of Lipid/Soluplus-Stabilized Nanocrystals of Paclitaxel and Bosutinib for a Synergistic Effect in Non-Small Cell Lung Cancer Therapy. Molecular Pharmaceutics, https://doi.org/10.1021/acs.molpharmaceut.4c01334, (Impact Factor : 4.5) Q1
52. Sabbarwal S, Majumdar A, Verma VK, Srivastava P, Singh V, Koch B, Krishnamurthu S, Kumar M (2025) Room-Temperature-Stabilized Alpha Tin Nanocrystals for In Vivo Toxicology Evaluation and Photothermal Therapy Corroborated by FFT Modeling. ACS Applied Materials & Interfaces, https://doi.org/10.1021/acsami.4c10772 (IF: 8.5) Q1
53. Verma R, Zeyaullah M, Singh V, Saxena P S, Koch B, Kumar M (2025)
Chitosan-Functionalized Fluorescent Calcium Carbonate Nanoparticle Loaded with Methotrexate: Future Theranostics for Triple Negative Breast Cancer. ACS Biomaterials Science & Engineering , https://doi.org/10.1021/acsbiomaterials.4c02390 (IF: 5.5), Q1
54. Singh S, Singh V,Singh R, Gouri V, Koch B*, Samant M* (2025) Synergistic combination of doxorubicin with fisetin for the treatment of lymphoma. European Journal of Pharmacology,https://doi.org/10.1016/j.ejphar.2025.177361 (IF: 4.2),Q1
55. Kumar M, Jha A, Goswami P, Srivastava R, Manjit M, Bharti K, Koch B, Mishra B (2025)
Fabrication of lipid-modified drug nanocrystals loaded injectable hydrogel for breast cancer therapy. Discover Nano, https://doi.org/10.1186/s11671-025-04195-w (IF:5.5)
56. Shirbhate E, Singh V, Kore R, Koch B, Veerasamy R, Tiwari A K, Rajak H (2025)
Synergistic strategies: histone deacetylase inhibitors and platinum-based drugs in cancer therapy. Expert Review of Anticancer Therapy, 25, 121-141.
57. Das S, Goswami P, Indurthi H K, Koch B, Sharma D K (2025) Cyclobutylamino-naphthalimide-based Fluorescent Probe for Detection of Glutathione in living cells. Journal of Molecular Structure, https://doi.org/10.1016/j.molstruc.2025.141490 (IF: 4.0) Q2
58. Tamang R,Mehata AK, Singh V, Muthu MS, Koch B (2024) Sustainable synthesis of Camellia sinensis-mediated silver nanoparticles (CsAgNP) and their anticancer mechanisms in breast cancer cells. Biomaterials Advances, 214072,https://doi.org/10.1016/j.bioadv.2024.214072 (IF: 7.9) Q1
59. Kumar M, Goswami P, Jha A, Manjit M, Satpute AP, Koch B*, Mishra B* (2024)
Formulation and evaluation of cetuximab functionalized phospholipid modified nanocrystals of paclitaxel for non-small cell lung cancer therapy. Scientific Reports, https://doi.org/10.1038/s41598-024-80283-8, (IF: 3.8) Q1
60. Goswami P, Singh V, Koch B* (2024)Mitochondria mediated inhibitory effect of Nyctanthes arbor-tristis (L.) flower extract against breast adenocarcinoma and T-cell lymphoma: an in vitro and in vivo study. Journal of Ethnopharmacology, 334, 118537, https://doi.org/10.1016/j.jep.2024.118537, (IF:4.8) Q1
61. Jha A, Kumar M, Goswami P, Bharti K, Manjit M, Gupta A, Moorkhot S, Koch B*, Mishra B* (2024)Cabazitaxel-loaded redox-responsive nanocarrier based on D-alpha-tocopheryl-chitosan and hyaluronic acid for improved anti-tumor efficacy in DMBA-induced breast cancer cells. DOI: 10.1039/D4MA00556B Materials Advances (IF: 5.2) Q1
62. Jha A, Goswami P, Kumar M, Bharti K, Manjit M, Satpute AP, Gupta A, Moorkoth S, Koch B*, Mishra B* (2024) Cetuximab functionalized chitosan/hyaluronic acid-based nanoparticles loaded with cabazitaxel enhances anti-tumor efficacy in DMBA-induced breast cancer model in rats through spatial targeting.Chemical Physics Impact (IF: 3.8) Q3
63. TS BasuBaul*, Brahma S, Tamang R, Duthie A, Koch B*, Parkin S* (2024)
Synthesis, structures, and cytotoxicity insights of organotin(IV) complexes with thiazole-appended pincerligand.Journal of Inorganic Biochemistry,112750 https://doi.org/10.1016/j.jinorgbio.2024.112750,(IF: 3.8) Q1
64. Mehata AK, Bonlawar J, Tamang Rupen, Malik AK, Setia A, Kumar S, Challa RR, Vallamkonda B, Koch B*, Muthu MS* (2024) PLGA Nanoplatform for the Hypoxic Tumor Delivery: Folate Targeting, Therapy, and Ultrasound/Photoacoustic Imaging. ACS Appl. Bio Mater. 2024, 7, 8, 5754–5770 https://doi.org/10.1021/acsabm.4c00853, (IF: 4.6) Q1
65. Yadav AK, Singh V, Acharjee S, Saha S, Kushwaha R, Datta A, Koch B*, Banerjee S* (2024)
Sonodynamic Cancer Therapy by Mn(I)-tricarbonyl complexes via Ultrasound-triggered CO release and ROS generation.Chemistry A European Journal,https://doi.org/10.1002/chem.202403454, (IF: 3.9), Q1
66. Kushwaha R, Singh V, Peters S, Yadav AK,Sadhukhan T, Koch B*, Banerjee S* (2024)
Comparative Study of Sonodynamic and Photoactivated Cancer Therapies with Re(I)-Tricarbonyl ComplexesComprising Phenanthroline Ligands.Journal of Medicinal Chemistry, 67, 6537-6548, 10.1021/acs.jmedchem.3c02485, (IF: 6.8) Q1
67. Jha A, Kumar M, Goswami P, Manjit M, Bharti K,Koch B*, Mishra B* (2024)
Hyaluronic acid-oleylamine and chitosan-oleic acid conjugate-based hybrid nanoparticle delivery via. dissolving microneedles for enhanced treatment efficacy in localized breast cancer tumor. Biomaterials Advances,160, 213865, DOI: 10.1016/j.bioadv.2024.213865, (IF: 7.9) Q1
68. SonkarP, Tamang R, Mehata AK, Nidhar M, Sharma VP,Kumar V, Muthu MS, Koch B*, Tewari AK* (2024)PTSA-induced synthesis, in silico and nano study of novel ethylquinolin–thiazolo–triazole in cervical cancer.Future Medicinal Chemistry, 16, 751-767 , DOI: 10.4155/fmc-2023-0344, (IF: 4.2) Q2
69. Dhamija P, Mehata AK, Tamang R, BonlawarJ, Vaishali, Malik AK, Setia A, Kumar S, Challa RK, KochB*, Muthu MS* (2024)Redox-Sensitive Poly(lactic-co-glycolic acid) Nanoparticles of Palbociclib: Development, Ultrasound/Photoacoustic Imaging, and Smart Breast Cancer Therapy.
Molecular Pharmaceutics, 21, 2713-2726,DOI: 10.1021/acs.molpharmaceut.3c01086, (IF: 4.5) Q1
70. Mandal AA, Singh V, Saha S, Peters S, Sadhukhan T, Kushwaha R, Yadav AK, Mandal A, Upadhyay A, Bera A, Dutta A*, Koch B*, Banerjee S* (2024)Green Light-Triggered Photocatalytic Anticancer Activity of Terpyridine-Based Ru(II) Photocatalysts. Inorganic Chemistry, 63, 7493-7503 DOI: 10.1021/acs.inorgchem.4c00650, (IF: 4.3) Q1
71. Singh A, Goswami P, Koch B, Singh P, Pyare R (2024)Mechanical behaviour, in-vitro analysis, hemocompatibility and study of human osteosarcoma cell line proliferation of TiO2 substituted 1393-B3 Borate glass.Ceramic International, https://doi.org/10.1016/j.ceramint.2024.05.159, (IF: 5.1) Q1
72. Das S, Goswami P, Indurthi HK, Koch B, Sharma D (2024)Improving the fluorescence brightness of naphthalimide and nitrobenzoxadiazole dyes with cycloalkylamine auxochromes. Dyes and Pigments, 277, 112206, DOI: 10.1016/j.dyepig.2024.112206, (IF: 4.1) Q1
73. Indurthy HK, Goswami P,DasS,SahaP,Koch B, Sharma DK (2024)
Azaspiroketal as Novel Auxochrome for Enhancing the Fluorescence Brightness and Solubility of Naphthalimide and Nitrobenzoxadiazole Dyes.ChemistrySelect, 9, e202401523, https://doi.org/10.1002/slct.202401523, (IF:1.9) Q2
74. Yadav P, Afgan S, Pal K, Jaiswal S, Goswami P, Prakash R, Kumar R, Koch B, Maiti P (2024) Allylthiourea-mediated self-healing hydrogels based on poly(vinyl alcohol): Enhanced cell viability/biocompatibility and sustained drug release.Journal of Polymer Science, https://doi.org/10.1002/pol.20240149, (IF: 3.9) Q2
75. Jyoti Maddhesiya, Ritu Dixit, Ashok Kumar, Bhagyalaxmi Mohapatra; (2025)Functionally significant, novel variants of BMP4 are associated with isolated congenital heart disease, BioRχiv, https://doi.org/10.1101/2025.05.26.656099
76. Amrita Mukhopadhyay, Bharti Devi, Anurag TK Baidya, Manohar Lal Yadav, Rajnish Kumar, Bhagyalaxmi Mohapatra (2025) "Computational Exploration of TITIN Variations: Insights from Whole Exome Sequencing and Molecular Dynamics Simulation Study. Journal of Biomolecular Structure &Dynamics,Page1-19; *Impact Factor* Best Quartile ; 3.2, 5 year IF ; 8.9 [Q2]Citation: 1
77. Amrita Mukhopadhyay, Bharti Devi, Anurag TK Baidya, Manohar Lal Yadav, Rajnish Kumar, Bhagyalaxmi Mohapatra, Implication of TITIN Mutations in Dilated Cardiomyopathy: Integrating Whole Exome Sequencing with Molecular Dynamics Simulation study. (2024) BioRχiv, https://doi.org/10.1101/2024.11.10.622829 Citation: 1
78. Jyoti Maddhesiya, Bhagyalaxmi Mohapatra; Understanding the Genetic and Non-Genetic Interconnections in the Aetiology of Syndromic Congenital Heart Disease: An Updated Review: Part 2 (2024) Current Cardiology Reports. Feb. 15, Vol 26. No. 3 P167-178 Impact factor: 3.99. https://doi.org/10.1007/s11886-024-02020[Q1]Citation: 1
79. Jyoti Maddhesiya, Bhagyalaxmi Mohapatra; Understanding the Genetic and Non-Genetic Interconnections in the Aetiology of Syndromic Congenital Heart Disease: An Updated Review: Part 1 (2024) Current Cardiology Reports. 28 march, Vol. 26 p 147-165, Impact factor: 3.99. https://doi.org/10.1007/s11886-024-02022-9[Q1] Citation:
80. Yadav, S., Yadav, A., & Mishra, R. K. (2025). Chronic unpredictable stress exposure disrupts testicular function by modulating germ cell-junctional dynamics and Nrf2/HO-1/IKKβ/NF-κB pathway. Reproductive Toxicology, 132, 108845. ISSN:1873-1708; DOI: https://doi.org/10.1016/j.reprotox.2025.108845.
81. Rajpoot, A., Pandey, A. K., Roy, V. K., &Mishra, R. K. (2025). Shilajit Mitigates Diabetes-Induced Testicular Dysfunction in Mice: A Modulation in Insulin Sensitivity, Germ Cell-Junctional Dynamics, and Oxido-Apoptotic Status. Andrologia, 2025(1), 5517176. ISSN: 1439-0272; DOI: https://doi.org/10.1155/and/5517176.
82. Rajpoot, A., Yadav, K., Yadav, A., &Mishra, R. K. (2024). Shilajit mitigates chemotherapeutic drug-induced testicular toxicity: study on testicular germ cell dynamics, steroidogenesis modulation, and Nrf-2/Keap-1 signaling. Journal of Ayurveda and Integrative Medicine, 15(4), 100930. ISSN: 0976-2809; DOI:https://doi.org/10.1016/j.jaim.2024.100930.

83. Rajpoot, A., Yadav, A., Yadav, S., &Mishra, R. K. (2025). VanariGutika supplementation enhances testicular function by modulating spermatogenesis, oxidative balance, and blood–testis barrier integrity. Drug Metabolism and Personalized Therapy, 40(3). ISSN: 2363-8915; DOI:https://doi.org/10.1515/dmpt-2024-0102.
84. Yadav, A., &Mishra, R.K. (2025). Exploring the role of Withania somnifera in male reproductive health: Insights from laboratory and clinical study. Journal of Reproductive Healthcare and Medicine, 6(3). ISSN: 2768-1114; DOI: 10.25259/JRHM_27_2024.
85. Tiwari, V. K., Yadav, R. K., Rajpoot, A., Mishra, R. K.,& Pandey, S. M. (2024). Effect of Makardhwaja on the reproductive health of adult Parkes strain male mice. Journal of Experimental Zoology India, 27(2). ISSN: 0976-1780; DOI: 10.51470/JEZ.2024.27.2.1589.
86. Naqvi, S. M. A., Islam, S. N., Kumar, A., Patil, C. R., Kumar, A., & Ahmad, A. (2024). Enhanced anti-cancer potency of sustainably synthesized anisotropic silver nanoparticles as compared with L-asparaginase. International Journal of Biological Macromolecules, 263, 130238. (Impact factor: 8.5)
87. Gautam, V. S., Kumari, P., Jaiswara, P. K., Kumar, A., & Kharwar, R. N. (2024). Antioxidant and cytotoxic activity of Rutin isolated from Nigrospora sphaerica, an Euphorbia hirta based endophytic fungus. Process Biochemistry, 142, 184-193.(Impact factor: 4.0)
88. Kumar, S., Vishvakarma, N. K., & Kumar, A. (2024). Regulation of metabolic rewiring in T-cell malignancies. Frontiers in Oncology, 14, 1384469.(Impact factor: 3.3)
89. Biswal, S. R., Kumar, A., Muthuswamy, S., & Kumar, S. (2024). Genetic components of microdeletion syndromes and their role in determining schizophrenia traits. Molecular Biology Reports, 51(1), 804.(Impact factor: 2.8)
90. Verma, A., Kumar, K., Talukdar, U., Pal, G., Kumar, D., Shukla, P., ... & Verma, S. K. (2024). Assessment of Bioactive Potential and Characterization of an Anticancer Compound from the Endophytic Fungi of Ocimum sanctum. Microbiology, 93(4), 459-471.(Impact factor: 1.3)
91. Tiwari, R. K., Rawat, S. G., Rai, S., & Kumar, A. (2025). Stress regulatory hormones and cancer: the contribution of epinephrine and cancer therapeutic value of beta blockers. Endocrine, 88(2), 359-386.(Impact factor: 2.9)
92. Bhushan, R., Trivedi, R., Raj, R., Rani, A., Rai, S., Tripathi, A., ... & Dubey, P. K. (2025). Integration of transcriptomics and metabolomics data revealed role of insulin resistant SNW1 gene in the pathophysiology of gestational diabetes. Scientific Reports, 15(1), 4159.(Impact factor: 3.8)
93. Savardekar, A., Fernandes, E., Padhye-Pendse, A., Gupta, T., Pol, J., Phadke, M., ... & Banerjee, A. (2024). Adipocytes Promote Endometrial Cancer Progression Through Activation of the SIRT1-HMMR Signaling Axis. Molecular Carcinogenesis.
94. Ankita Sinha, Subhadeep Banerjee, Arka Bagchi, Sumiran Kasturi, Arnab Banerjee. 2025. Amino-Terephthalonitrile Based Single Benzene Fluorophores Bearing Amino Esters and Lipids for Selective Biothiol Sensing and Bioimaging. Asian Journal of Organic Chemistry.
95. Pooja Gautam, Vijigisha Srivastava, Sridhar Bammidi, Sayan Ghosh, Vishnu Suresh Babu, Arnab Banerjee. 2025. Putrescine modulates alternative splicing of gonadotropin hormone-releasing hormone (GnRH) through differential regulation of splicing factors. Biochemical and Biophysical Research Communications. Volume 763.
96. Moharir, Shreyash Rajendra, Mahesh Kumar Talamadla, Puja Bhardwaj, Arnab Banerjee, Ruchi Jain Dey, and Kondapalli Venkata Gowri Chandra Sekhar. "Harnessing SIRT1 activators for effective PCOS treatment: A new frontier." Biomedicine & Pharmacotherapy 190 (2025): 118361.
97. Maurya S, Tripathi S, Arora T, Singh A. Adropin ameliorates reproductive dysfunctions in letrozole-induced PCOS mouse. Sci Rep. 2025 Mar 13;15(1):8659. doi: 10.1038/s41598-025-93215-x. PMID: 40082514; PMCID: PMC11906834.
98. Tripathi S, Maurya S, Singh A. Adropin mitigates reproductive and metabolic dysfunctions in streptozotocin induced hyperglycemic mouse. J Endocrinol. 2025 Jul 4:JOE-25-0072. doi: 10.1530/JOE-25-0072. Epub ahead of print. PMID: 40600827
99. Tripathi S, Maurya S, Singh A. Adropin promotes testicular functions by modulating redox homeostasis in adult mouse. Endocrine. 2024 Oct;86(1):428-40.
100. Aishwarya Sahu, Vartika Malik and Rakesh Verma (2025). Melatonin improves lactational Bisphenol S induced prepubertal and pubertal testicular impairments in offspring. Journal of Reproductive Sciences. DOI: 10.1007/s43032-025-01840-8
101. Ray, S. S., Mahapatra, A., Gupta, P., Suman, A., & Singh, R. K. (2025). An insight into the molecular mechanisms of persistent organic pollutants (POPs) mediated dysregulation of glucose and lipid homeostasis in Heteropneustesfossilis. General and comparative endocrinology, 362, 114670. https://doi.org/10.1016/j.ygcen.2025.114670
102. Ray, S. S., Gupta, P., Mahapatra, A., Suman, A., & Singh, R. K. (2025). Elucidating the impact of persistent organic pollutants on male reproductive health and testicular structure. Toxicology letters, 411, 37–49. Advance online publication. https://doi.org/10.1016/j.toxlet.2025.07.002
103. Kumar, V., Nidhar, M., Sheraj, M., Sharma, V. P., Gupta, P., Singh, R. K., &Tewari, A. K. (2025). Designing DPP-4 inhibitors: Synthesis, characterization, in silico& in vitro evaluation, and theoretical calculation of flexible compounds linked via orthoxylyl spacers. Journal of Molecular Structure, 1341(Complete). https://doi.org/10.1016/j.molstruc.2025.142599
104. Gupta, P., Mahapatra, A., Manna, B., Suman, A., Ray, S. S., Singhal, N., & Singh, R. K. (2024). Sorption of PFOS onto polystyrene microplastics potentiates synergistic toxic effects during zebrafish embryogenesis and neurodevelopment. Chemosphere, 366, 143462. https://doi.org/10.1016/j.chemosphere.2024.143462
105. Suman, A., Mahapatra, A., Gupta, P., Ray, S. S., & Singh, R. K. (2024). Polystyrene microplastics induced disturbances in neuronal arborization and dendritic spine density in mice prefrontal cortex. Chemosphere, 351, 141165. https://doi.org/10.1016/j.chemosphere.2024.141165
106. Dharmendra K. Yadav, Anand K. Patel, Shruti R. Hansda, Arbind Acharya, Lakhindra Marandi, Surya D. Yadav, Subhasis Sinha (2024) Comprehensive property combination for biomedical application achieved in a Ti35Zr35Nb15Mo5Fe5Cr5 complex concentrated alloy, Materials Today Communications. https://doi.org/10.1016/j.mtcomm.2024.110992
107. Shruti R Hansda, Jayita Pal Chowdhury, Chandana Haldar (2025). Ovarian dysfunction due to thyroid hormone imbalances and stress: Rescue by melatonin, Journal of Reproductive Healthcare and Medicine (JRHM) doi://10.25259/JRHM_34_2024
108. G G Naik, R Madavi , T Minocha, D Mohapatra, RPSingh , P K Patel, S K Yadav et al (2024) In vitro cytotoxic potential of cow dung and expired tomato sauces-derived carbon nanodots against A-375 human melanoma cell line. Arabian Journal of Chemistry (17) 105576, ISSN (Online): 1878-5352Q1,(I.F-6.2).
109. R M Shrestha, K Mahiya, A Shrestha, SR Mohanty, S K Yadav, P N Yadav (2024) Synthesis, characterization, anticancer, pharmacokinetics and molecular docking investigation of N (3)-alkyl incorporated-3-acetyl-4-hydroxycoumarin thiosemicarbazones and their copper(II) complexes, Journal of Molecular Structure, 1299,136945. Q2,(I.F-3.84).
110. Mishra, N. K., Yadav, K., Mohanty, S. R., Parmar, A. S., Yadav, S. K.,& Haldar, C. (2024). Tinospora cordifolia Silver Nanoparticles Attenuated the Lipopolysaccharide-induced Testicular Inflammation in Golden Hamster. Regenerative Engineering and Translational Medicine, 1-15, Electronic ISSN: 2364-4141. (I.F-2.2)
111. Das M, Yadav SK, Mishra NK, Haldar C. Fertility Problems Due to Chronodisruption: A Mini Review. Fertil Sci Res. 2024;11:13. doi: 10.25259/FSR_11_2024
112. Verma, S., Verma, A., Verma, S., Narayan, N., Barnwal, P., Kandasamy, N., & Kumar, B. (2025). Exploring dung beetle diversity in the ecotone of eastern Terai, Valmiki Tiger Reserve, Bihar, India. *Munis Entomology and Zoology, 20*(2), 2012–2031.
113. Mishra, S., Ashish, A., Rai, S., Sahni, C., Tiwari, S., Kumar, B., & Singh, R. (2025). The impact of inflammatory cytokines on recurrent pregnancy loss: A preliminary investigation. *Reproductive Sciences, 32*, 804–814. https://doi.org/10.1007/s43032-025-01786-x (IF = 2.6; Q1)
114. Patel, A. K., Yadav, P., & Kumar, B. (2024). Repeated short-term thermal stress and its impact on reproductive fitness in parthenium beetle, *Zygogramma bicolorata* (Coleoptera: Chrysomelidae). *The Canadian Entomologist, 156*, e38. https://doi.org/10.4039/tce.2024.35 (IF = 0.90; Q3)
115. Tiwari, R. S., Bhaisare, L., Pathak, S., Kumar, B., & Chaudhary, D. D. (2024). Biotic factors as key determinants for ovarian and oothecal developmental plasticity of a tortoise beetle. *Zoology, 167*(3), 126225. https://doi.org/10.1016/j.zool.2024.126225 (IF = 1.60; Q1)
116. Verma, S., Dalpat, S., Kumar, P., Sahoo, P. C., Rout, S. S., Sharma, P., Mishra, D. K., & Kumar, B. (2024). Metabolic and enzymatic variability among dung beetle species in India. *Biochemical and Cellular Archives, 24*(2), 1973–1979. https://doi.org/10.51470/BCA.2024.24.2.1973
117. Verma, S., Verma, A., Verma, S., Narayan, N., Barnwal, P., Kandasamy, N., & Kumar, B. (2024). First report of dung beetle species of genus *Onthophagus* (Coleoptera: Scarabaeidae) from Valmiki Tiger Reserve, Bihar, India. *Journal of Experimental Zoology, India, 27*(2), 2191–2194. https://doi.org/10.51470/JEZ.2024.27.2.2191
118. Yadav, P., Patel, P., Patel, A. K., Chowdhury, R., Upadhyay, A., Kumar, B., & Kumar, D. (2024). Ageing and mating status affect food utilization efficiencies and assimilation of macronutrients in adults of Parthenium beetle, *Zygogramma bicolorata* Pallister. *Physiological Entomology, 49*(2), 147–156. https://doi.org/10.1111/phen.12433 (IF = 1.60; Q2)
119. Rai, S., Chaurasiya, A., Mishra, S., Kumar, B., Kusum, & Singh, R. (2024). SARS-COV-2 infection and pregnancy outcome: A cross-sectional study from eastern U.P. population, India. *Journal of Applied Bioscience, 50*(1), 23–27. https://doi.org/10.61081/joab/50v1i104
120. Gupta, M. K., Chakravarty, J., Upadhyay, V., Kumar, B., & Tilak, R. (2024). Amphotericin B, itraconazole, posaconazole and isavuconazole MIC against 85 strains of *Rhizopus* sp. isolated from patients having COVID-19 associated mucormycosis in North India. *International Journal of Community Medicine and Public Health, 11*(2), 851–855. https://doi.org/10.18203/2394-6040.ijcmph20240276
121. Srivastava, N., Rana, N. K., Chaubey, G., Kumar, B., Pathak, A., & Mishra, V. N. (2024). Identification of significant differentially expressed miRNA and their targets common in idiopathic Parkinson's disease and Parkinson plus syndrome. *Human Gene, 39*(1), 201253. https://doi.org/10.1016/j.humgen.2023.201253 (IF = 0.5; Q4)
122. Nasir, F., Yadav, P., & Sivanandam, T. M. (2025). NaHS alters synaptic plasticity proteins and enhances dendritic arborization to improve cognitive and motor deficits after traumatic brain injury in mice. British journal of pharmacology, 182(5), 1183–1205. https://doi.org/10.1111/bph.17386
123. Name of the Journal: British Journal of pharmacology Impact factor: 7.2
124. Verma, S., & Sivanandam, T. M. (2025). Analysis of Differential microRNA Expression in the Hippocampus of Scopolamine-Induced Amnesic Mouse Model. Molecular neurobiology, 62(4), 4881–4898. https://doi.org/10.1007/s12035-024-04573-y Name of the Journal: Molecular Neurobiology Impact factor: 4.6
125. Yadav, P., Nasir, F., & Sivanandam, T. M. (2024). Neuroprotective effect of vitamin B12 supplementation on cognitive functions and neuronal morphology at different time intervals after traumatic brain injury in male Swiss albino mice. Neurochemistry international, 180, 105869. https://doi.org/10.1016/j.neuint.2024.105869 Name of the Journal: Neurochemistry International Impact factor: 4.2
126. Olivia Majhi, Aishwarya Chhatre, Tanvi Chaudhary, Devanjan Sinha, (2024) Non-autonomous cell redox-pairs dictate niche homeostasis in multi-lineage stem populations. eLife, 13:RP96446
127. Sharma H, Yadav A, Maurya AK and Pandey R (2025) Carbazole-naphthoyl hydrazone conjugate and its Zn(II)-complex as stimuli-responsive smart materials: VOC and Cu2+ detection, AIE insights and bioimaging applications, J. Mater. Chem. B, **DOI:** 10.1039/D5TB00462D IF= 6.1
128. Meena UK and Maurya AK (2025) Bacopa monnieri Extract Diminish Hypoxia-Induced Anxiety by Regulating HIF-1α Signaling and Enhancing the Antioxidant Defense System in Hippocampus. Neuromolecular Med. 24;27(1):11. IF= 3.6
129. Maurya RP, Maurya AK, Ali A, Singh CB, Singh S, et al. (2024) Suspected Molecular Links in Sebaceous Gland Carcinoma of the Eyelid: A scoping review. J Oncol Res Ther 9: 10245. https://doi.org/10.29011/2574-710X.10245
130. Meena UK, Maurya AK (2024) Intricacy of Hypoxia Signaling in Glioblastoma and its Consequences for Therapeutic Intervention, Recent Trends in Diabetes and Cancer Research and its Management, 1, 207-230 https://www.doi.org/10.58532/nbennurrdch9
131. Implications of NADPH oxidase 1 in gut health and disease, International Conference on Agroecology and Pest Management: Balancing Environment and Human Health (ICAPMBEAH-2025), Darbhanga,India, 18-19 July, 2025

132. Ulcerative Colitis to Colon Cancer: Molecular Interplay between NOX and Oxidative Stress, International Symposium on Mitochondria, Cell death and Human Diseases: Frontiers in Cancer Research, Jawaharlal Nehru University, New Delhi, 17 - 18 February 2025
133. Goins, L. M., Girard, J. R., Mondal, B. C., Buran, S., Su, C. C., Tang, R., Biswas, T., Kissi, J. A., & Banerjee, U. (2024). Wnt signaling couples G2 phase control with differentiation during hematopoiesis in Drosophila. Dev Cell. https://doi.org/10.1016/j.devcel.2024.05.023
134. Maurya, D., & Mondal, B. C. (2024). Larval hematopoietic organs of multiple Drosophila species show effector caspase activity and DNA damage response. MicroPubl Biol, 2024. https://doi.org/10.17912/micropub.biology.001392
135. Maurya, D., & Mondal, B. C. (2025). Protocol to study DNA strand breaks during development and apoptosis using in situ nick translation in Drosophila. STAR Protoc, 6(3), 103921. https://doi.org/10.1016/j.xpro.2025.103921
136. Maurya, D., Rai, G., Mandal, D., & Mondal, B. C. (2024). Transient caspase-mediated activation of caspase-activated DNase causes DNA damage required for phagocytic macrophage differentiation. Cell Rep, 43(5), 114251. https://doi.org/10.1016/j.celrep.2024.114251
137. Thakurta, B., Hazra, S., Samanta, A., Nasir, A., Singh, A. K., Maurya, D., Mondal, B. C., Giri, A., Pal, B. N., & Pal, M. (2024). One-Step Room Temperature Synthesis of Printable Carbon Quantum Dots Ink for Visual Encryption and High-Performance Photodetector. Advanced Optical Materials, 12(36). https://doi.org/10.1002/adom.202401886
138. Landman N, Hulsman D, Badhai J, Kopparam J, Puppe J, Pandey GK*, van Lohuizen M*. Combination of EZH2 and ATM inhibition in BAP1-deficient mesothelioma. Br J Cancer. 2024 May;130(11):1855-1865. doi: 10.1038/s41416-024-02661-3. (*- corresponding author)
139. Samanta S, Nandi A, Datta R*, Dolai S*.Syntaxin-2 balances phagocytic uptake and phagolysosomal clearance in macrophages. J Cell Sci. 2025 Jul 11:jcs.263855. doi: 10.1242/jcs.263855. PMID: 40641446. *Corresponding authors

Books and Book Chapters

1. *Das, A.,* Upadhyay S., Singh S and Singh A. K. 2024. Altruism: Kin. Encyclopedia of Religious Psychology and Behaviour, Springer Publication. 2025.
2. *Das, A.,* Upadhyay S., Singh S and Singh A. K. 2024. Evolution: Costly rituals and Neanderthal challenge. Encyclopedia of Religious Psychology and Behaviour, Springer Publication. 2025
3. Shikhardeep, Ashvani Kumar Srivastava, Sangeeta Rai, Radha Chaube. 2023. Polycystic Ovarian Syndrome (PCOS): The "Green Healers" an Ayurvedic eye. In Herbal medicine Applications for Polycystic Ovarian Syndrome, CRC Press, e book ISBN-9781003344728.
4. Sandhya Sharma, Haleema Sabia, Sonam Singh, Radha Chaube. 2023. Molecular insight of active plant-based drug molecules in the treatment of PCOS. In Herbal medicine Applications for Polycystic Ovarian Syndrome, CRC Press, e book ISBN-9781003344728.
5. Shaw R, Basu SK, Maitra S, and Chaube R (2025). Physiology of anterior pituitary gland and its hormones. In Book Introductory Human Physiology: New Approach and Recent Advances, ISBN: 978 81-981855-7-0, Page No. 13-22. Cornous Publications LLP, Puducherry, India.
6. Haleema Sabia, S.Sharma, R. Chaube. 2024. 3D Bioprinting of liver tissue.In Compendium of 3D Bioprinting Technology, 412-420. DOI: 10.1201/9781003505198-21. In book: Compendium of 3D Bioprinting Technology
7. Saurabh Chand Sagar, Madhu Tapadia, Shikhardeep, Radha Chaube. 2024. The hypothalamus.In book: Encyclopedia of Religious Psychology and Behavior Publisher: Springer Cham, October 2024; DOI: 10.1007/978-3-031-38971-9_732-1
8. Yadav, S., Yadav, A., &Mishra, R. K. (2025). Trichomonas vaginalis infection and male reproductive health. In Trichomonas vaginalis (pp. 111-129). Academic Press. ISBN: 978-0-443-22204-7. DOI: https://doi.org/10.1016/C2023-0-00521-0.
9. Jyoti Gangwar, Anuradha, BirjuManjhi, Arbind Acharyaand Shruti R. Hansda* (2025) Phytomelatonin and its Implications in Human Health. Ethnobotany: Present Scenario and Future Perspective Paperback ISBN: 978-93-5911-499-6 eBook ISBN: 978-93-5911-639-6 (*Corresponding author)
10. Narayana, S., Kumar, B., & Verma, R. (2024). *Molecular, enzymatic and biochemical assays for agricultural pests*. NIPA Genx Electronic Resources and Solutions. ISBN: 978-93-58879-28-5
11. Book Chapters
12. Singh, P., Yadav, P., Patel, A. K., Verma, S., Das, T., Saroja, S., Sharma, P., Mishra, D. K., & Kumar, B. (2024). Determination of enzymatic antioxidants in insects. In Molecular, enzymatic and biochemical assays for agricultural pests. NIPA Genx Electronic Resources and Solutions.
13. Singh, P., Yadav, P., Patel, A. K., Verma, S., Das, T., Kumar, P., Dalpat, S., Sahoo, P. C., & Kumar, B. (2024). Estimation of biochemical parameters in insects. In Molecular, enzymatic and biochemical assays for agricultural pests. NIPA Genx Electronic Resources and Solutions.
14. Mandal D & Mondal BC (2024). FLP/FRT mediated somatic recombination to generate somatic clones for studying gene function. (eds: S.C. Lakhotia & H.A. Ranganath) Indian Academy of Sciences, Bengaluru, India, 309-316. https://www.ias.ac.in/Publications/e-Books/Experiments_with_Drosophila_for_Biology_Courses_2.
15. Jaiswal P, Mandal D, Biswas J, Rai G, Lakhotia SC, and Mondal BC (2024). Study of immune response in Drosophila melanogaster (eds: S.C. Lakhotia & H.A. Ranganath), Indian Academy of Sciences, Bengaluru, India, 375-382. https://www.ias.ac.in/Publications/e-Books/Experiments_with_Drosophila_for_Biology_Courses_2.
16. Maurya D, Mondal BC (2024). The creation via destruction: Caspase-activated DNase causes DNA strand breaks to regulate macrophage differentiation. ISCB Newsletter. 48 (1):

Mahila Mahavidhayala

Research Papers and Articles

1. Rai, K. J., Saini, D. S., Shahi, P., Chaurasia, S., Yadav, D., Srivastava, N., Mishra, R., & Kumar, M. (2025). The effect of ceramic nanofillers on conductivity and ion-transport behavior in potato starch-based solid bio-polymer electrolyte for advanced energy storage devices. Ionics, 31(2), 1623–1636. https://doi.org/10.1007/s11581-024-06039-6
2. Yadav, D., Aggarwal, K., & Srivastava, N. (2025). Economical, ecofriendly and easy to handle polymer-in-salt-electrolyte. Solid State Ionics, 423, 116848. https://doi.org/10.1016/j.ssi.2025.116848
3. Aggarwal, K., Yadav, D., Tiwari, K., Pushpa, & Srivastava, N. (2024). Investigating Ca^{2+} salt-based polymer-in-salt electrolyte for future energy storage systems. Ionics. Advance online publication. https://doi.org/10.1007/s11581-024-05754-4
4. Yadav, D., Pandey, A., & Srivastava, N. (2024). Effect of crosslinker on the electrochemical properties of starch-based water-in-polymer-salt electrolytes. Ionics. Advance online publication. https://doi.org/10.1007/s11581-024-05689-w
5. Yadav, D., Pandey, K., Aggarwal, K., & Srivastava, N. (2024). Supercapacitor performance of polymer-in-salt-electrolyte/water-in-polymer-salt-electrolyte synthesized by complexing glutaraldehyde crosslinked corn starch with $Mg(ClO_4)_2$. Journal of Solid State Electrochemistry. Advance online publication. https://doi.org/10.1007/s10008-024-05982-8
6. Verma, H., Kumar, P., Satyarthi, S. K., Bhattacharya, B., Singh, A. K., & Upadhyay, S. (2025). Investigation of La_2FeO_4–rGO nanocomposite electrode material for symmetric and asymmetric supercapacitor. Journal of Energy Storage, 114, 115849.
7. Surana, K., Pansari, P., Sharma, R., Bhattacharya, B., Soni, S. S., & Durga, G. (2025). Controlled carbon dots mixing boosts perylene diimide dye for enhanced absorbance and white light emission: Finding application in optoelectronic devices. Optical Materials, 161, 116789.
8. Mansi, Shivank, Bhattacharya, B., Majumder, S., Kashyap, J., & Chauhan, Y. (2025). Anti-bacterial role of zinc oxide synthesized using naturally abundant material. Macromolecular Symposia, 414(1), 2400137.
9. Kumar, P., Verma, H., Mittal, A., Bhattacharya, B., & Upadhyay, S. (2025). Impact of current collectors on the electrochemical performance of pseudocapacitive material: Sr_2FeCoO_6. Energy Storage, 7(1), e70124.
10. Kumar, K., Noor, I. S. M., Pandey, S. P., Bhattacharya, B., & Saxena, A. (2024). Electrical conductivity of pectin-based biopolymer electrolytes: Search for a theoretical framework. Journal of Solid State Electrochemistry, 1–8.
11. Verma, H., Kumar, P., Bhattacharya, B., & Upadhyay, S. (2024). Study of structure and electrochemical properties of $LaFeO_3$ and La_2FeO_4 as electrode materials for supercapacitor application. Proceedings, 105(1), 72.
12. Singh, S., Singh, J., & Bhattacharya, B. (2024). Use of solar power for heat generation for household application. Macromolecular Symposia, 413(1), 2300087.
13. Kushwaha, V., Chaudhary, J., Rani, P., Jaiswal, A., Singh, S., Surana, K., & Bhattacharya, B. (2024). Studies on natural dyes derived from common flowers. Materials Today: Proceedings, 104, 98–101.
14. Surana, K., Bhattacharya, B., & Soni, S. S. (2024). Harnessing infrared radiation using carbon dots: Photovoltaic devices achieving extraordinary efficiency under faint lighting. Materials Advances, 5(2), 685–694.
15. Kumar, R., Modanwal, S., Tripathi, R., Fanai, A. L., & Mishra, H. (2025). Effect of Al^{3+} ions on excitation energy transfer from fluorescent polyvinyl alcohol to Tb^{3+} ions. Optical Materials, 162, 116933. https://doi.org/10.1016/j.optmat.2025.116933
16. Modanwal, S., Roy, A., Rai, A., Uttam, K. N., Singh, A. P., Jit, S., Mishra, H., & Rai, S. B. (2025). n-UV-converted enhanced downshifting blue emission through Bi^{3+} sensitization in self-activated $LaNbO_4$ phosphors for LEDs and high broadband quantum cutting efficiency for solar cell applications. ACS Applied Optical Materials. Advance online publication. https://doi.org/10.1021/acsaom.4c00469
17. Bishen, S. M., Adhikari, M., Pokharia, S., & Mishra, H. (2024). The effect of polarity and hydrogen bonding on the electronic and vibrational structure of the salicylate anion in acetonitrile and water: Implicit and explicit solvation approaches. RSC Advances, 14(40), 29569–29587. https://doi.org/10.1039/D4RA04606D
18. Bishen, S. M., Adhikari, M., & Mishra, H. (2025). Effect of concentration and wavelength of excitation on the photophysics of salicylate anion in acetonitrile and water. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 324, 124994. https://doi.org/10.1016/j.saa.2024.124994
19. Upadhyay, A. K., Giri, N. K., Prakash, R., & Mishra, H. (2024). Surface elemental characterisation of Indian punch-marked coins of 600 to 200 BCE era. Research Square. https://doi.org/10.21203/rs.3.rs-4545295/v1
20. Chaunwal, R. C., Fanai, A. L., Upreti, D. K., & Mishra, H. (2024). Physical, optical and spectral properties of Sm^{3+} and Eu^{3+} ions doped zinc boro-phosphate glass. Optical Materials, 157, 116115. https://doi.org/10.1016/j.optmat.2024.116115
21. Chaubey, A., Jaiswal, M. K., Singh, D., Singh, V., & Ganguly, A. K. (2024). Differentiating dilatons from the axions by their mixing with photons. European Physical Journal C, 84, 627.
22. Chaubey, A., & Ganguly, A. K. (2024). ALP-photon interaction in the stellar environment. Revista Mexicana de Astronomía y Astrofísica, 60, 361–365.
23. Kumar, R., Modanwal, S., Tripathi, R., Fanai, A. L., & Mishra, H. (2025). Effect of Al^{3+} ions on excitation energy transfer from fluorescent polyvinyl alcohol to Tb^{3+} ions. Optical Materials, 162, 116933. https://doi.org/10.1016/j.optmat.2025.116933
24. Chaunwal, R. C., Fanai, A. L., Upreti, D. K., & Mishra, H. (2024). Physical, optical and spectral properties of Sm^{3+} and Eu^{3+} ions doped zinc boro-phosphate glass. Optical Materials, 157, 116115. https://doi.org/10.1016/j.optmat.2024.116115
25. Dawngliana, K. M. S., Puia, L., Fanai, A. L., Lalrempuia, R., & Rai, S. (2024). Effect of Al on photoluminescence properties of Nd^{3+} in silicate glass prepared by in situ sol-gel method. Journal of Sol-Gel Science and Technology, 112, 444. https://doi.org/10.1007/s10971-024-06539-x
26. Dawngliana, K. M. S., Puia, L., Fanai, A. L., & Rai, S. (2024). Spectroscopic properties of Pr^{3+}-doped titania-silicate glass ceramic for photonic applications. Optical Materials, 155, 115841. https://doi.org/10.1016/j.optmat.2024.115841
27. Dawngliana, K. M. S., Fanai, A. L., & Rai, S. (2024). Structural and spectroscopic properties of Eu^{3+} doped SiO_2–TiO_2 nanoparticles for photonic applications. Optical Materials, 152, 115470. https://doi.org/10.1016/j.optmat.2024.115841
28. Kalaivanan, R., Venkatesan, B., Sri Chandana, B. D., Ulaganathan, R. K., Murugan, G. S., Moovendaran, K., Khatua, J., Su, L.-H., Zhou, W., Xu, X., Chang, C.-S., Chuang, T.-M., Iizuka, Y., Muthuselvam, I. P., Jeng, H.-T., Choi, K.-Y., & Sankar, R. (2024). Structural, magnetic, and electronic properties of a GdAsSe single crystal: Experimental and theoretical studies. Physical Review B, 109, 184420.
29. Sri Chandana, B. D., Narayanan, A., Saranya, K., Kakarla, D. C., Tiwari, A., Shanmugavelu, B., Peramaiyan, G., Shekar, G. C., Choi, K.-Y., & Muthuselvam, I. P. (2024). Magnetic order induced by magnetic impurities in the Haldane chain

compound $SrNi_2V_2O_8$. Journal of Magnetism and Magnetic Materials, 603, 172219.

30. Sri Chandana, B. D., Tiwari, J. K., Saranya, K., Rana, A., Murugan, G. S., Dhenadhayalan, N., Choi, K.-Y., Sekhar, K. C., Babu, P. D., Sankar, R., & Muthuselvam, I. P. (2025). Intriguing magnetic and electronic behaviors in La and Ru doped Sr_2IrO_4. Journal of Physics: Condensed Matter, 37, 115807.
31. Murugan, G. S., Khatua, J., Kim, S., Mun, E., Babu, K. R., Kim, H.-S., Huang, C.-L., Kalaivanan, R., Kumar, U. R., Muthuselvam, I. P., Chen, W. T., Krishnamoorthi, S., Choi, K.-Y., & Sankar, R. (2025). Spin dynamics and 1/3 magnetization plateau in the coupled distorted diamond chain compound $K_2Cu_2(MoO_4)_4$. Physical Review B, 111, 144420.
32. Shweta, Kumari, S., Fatima, Z., Mishra, R. K., Avinashi, S. K., Kumar, S., Behera, P., Parveen, S., Shamsad, A., Sen, P., Pradhan, B. L., Mishra, M., Banerjee, M., Gupta, N., Dey, K. K., Ghosh, M., & Gautam, C. (2025). h-BN reinforced bioactive glasses for bone tissue engineering: Enhanced strength and antibacterial properties. ACS Applied Engineering Materials, 3(5), 1399–1415. https://doi.org/10.1021/acsaenm.5c00145
33. Pradhan, B. L., Sen, P., Dey, K. K., & Ghosh, M. (2025). Investigating structural and dynamic changes in cellulose due to nanocrystallization. Journal of Biomolecular NMR. https://doi.org/10.1007/s10858-025-00472-z
34. Kumar, A., Tyagi, D., Kumar, R., Ghosh, M., Mandal, B. P., Roy, A., Nath, S., Tyagi, A. K., & Bhattacharyya, K. (2025). Unveiling the effect of structural asymmetry on photocatalytic performance: Bi-substituted $Y_2Sn_2O_7$ system with mechanistic insight. Journal of Materials Chemistry A, 13, 19795–19820. https://doi.org/10.1039/D5TA01746G
35. Hassan, A., Mondal, S., Wahed, S. A., Goswami, S., Alam, A., Ghosh, M., Dey, K. K., & Das, N. (2025). Influence on crystallinity of nanoporous covalent organic frameworks for efficient sequestration of organic iodides and iodine. ACS Applied Nano Materials, 8(25), 12895–12908. https://doi.org/10.1021/acsanm.5c01463
36. Lodhi, L., Ahi, J. D., Gupta, N., Pradhan, B. L., Sen, P., Ghosh, M., & Dey, K. K. (2024). Exploring the structure and dynamics of soft and hard cuticle of Bombyx mori using solid-state NMR techniques. Scientific Reports, 14(1), 22378. https://doi.org/10.1038/s41598-024-69984-2
37. Dey, K. K., & Ghosh, M. (2024). Interrelationship between solubility and nuclear spin-lattice relaxation time in cellulose derivatives with solid-state NMR. Cellulose, 31(13), 7905–7924. https://doi.org/10.1007/s10570-024-06109-y
38. Pradhan, B. L., Lodhi, L., Dey, K. K., & Ghosh, M. (2024). Analyzing atomic scale structural details and nuclear spin dynamics of four macrolide antibiotics: Erythromycin, clarithromycin, azithromycin, and roxithromycin. RSC Advances, 14(25), 17733–17770. https://doi.org/10.1039/D4RA00718B
39. Mishra, R. K., Pradhan, B. L., Parveen, S., Behera, P., Avinashi, S. K., Kumari, S., Fatima, Z., Sen, P., Kumar, S., Mishra, M., Banerjee, M., Dey, K. K., Ghosh, M., & Gautam, C. (2024). Fabrication of bioactive transparent glass ceramics $55SiO_2$–$25Na_2O$–(15–x)CaO–$5P_2O_5$–$xZrO_2$ ($0 \le x \le 6$): Physical, structural and in vitro cell viability insights for biomedical applications. Ceramics International, 50, 14550–14570. https://doi.org/10.1016/j.ceramint.2024.01.368
40. Pal, H., Karmakar, A., Sadhukhan, A., Koner, K., Karak, S., Sharma, R. K., Ghosh, M., Dey, K. K., Pathak, B., Kundu, S., & Banerjee, R. (2024). Designing Salen-based porous organic polymers for enhanced electrolytic water splitting into oxygen. Advanced Functional Materials, 34(48), 2408255. https://doi.org/10.1002/adfm.202408255
41. Kumari, S., Verma, A., Mishra, R. K., Avinashi, S. K., Singh, S., Behera, P., Rao, J., Gautam, R. K., Pradhan, B. L., Dey, K. K., Ghosh, M., Mishra, M., & Gautam, C. (2024). Synergetic impact of MgO on PMMA–ZrO_2 hybrid composites: Evaluation of structural, morphological and improved mechanical behavior for dental applications. Dental Materials, 40(8), 1216–1230. https://doi.org/10.1016/j.dental.2024.06.006
42. Chakraborty, A., Bodhak, S., Tah, I., Kant, S., Saha, D., Dey, K. K., Gupta, N., Ghosh, M., Tripathy, S., Allu, A. R., & Biswas, K. (2024). Tailored bioactive glass coating: Navigating devitrification toward a superior implant performance. ACS Biomaterials Science and Engineering, 10(8), 5300–5312. https://doi.org/10.1021/acsbiomaterials.4c01032
43. Chakraborty, S., Ganisetti, S., Balaji, S., Khan, S., Mohapatra, S. K., Patra, P., Sen, P., Ghosh, M., Dey, K. K., Krishnan, N. M. A., Biswas, K., Allu, A. R., & Annapurna, K. (2024). Enhancing glass-forming ability and mechanical properties of barium–calcium–aluminate glasses through ZnO inclusion. Journal of Non-Crystalline Solids, 636, 123005. https://doi.org/10.1016/j.jnoncrysol.2024.123005
44. Mohapatra, S. K., Tah, I., Fabian, M., Chakraborty, S., Sen, P., Dey, K. K., Ghosh, M., Maharana, H. S., & Kalyandurg, A. (2024). Structure–property correlation in Ba/Sr–Ca–Mg–Zn–Si–Al–O glass: Elucidation by experimental and molecular dynamics simulation study. The Journal of Physical Chemistry B, 128(49), 12209–12226. https://doi.org/10.1021/acs.jpcb.4c04652
45. Dwivedi, M., Singh, S. L., & Kumar, S. (2024). Polymer translocation: Effects of periodically driven confinement. Soft Matter, 20(11), 2455–2463.
46. Goyal, U., Rehman, M. T., Mathkor, D. M., Katiyar, D., Bishnoi, A., Singh, V., Mishra, B. N., & Haque, S. (2025). Benzopyran, benzamidocoumarin, phenylpyrrolidine, and barbituric acid derivatives as potential actives targeting endonuclease VIII-2 (Nei2) of Mycobacterium tuberculosis. Chemistry Select, 10(10), e202404862. https://doi.org/10.1002/slct.202404862
47. Raghuvanshi, V., & Katiyar, D. (2024). Terrein: Isolation, synthesis, and upscaling of a functional scaffold for multifaceted biomedical applications. Medicinal Chemistry Research, 33, 2236–2251. https://doi.org/10.1007/s00044-024-03294-0
48. Kushwaha, D., Kushwaha, A. K., Kumar, R., & Chauhan, D. (2025). Recent advances in the synthesis of glycoconjugated heterocycles: A promising strategy for accessing bioactive compounds. Bioorganic Chemistry, 162, 108559. https://doi.org/10.1016/j.bioorg.2025.108559
49. Kumari, R., Pandey, S. K., Patel, A. K., Kushwaha, D., Acharya, A., & Bharty, M. K. (2024). Exploring 2-(benzylthio)-5-(4-nitrophenyl)-1,3,4-oxadiazole as antiproliferative agent: Synthesis, single crystal XRD, DFT, Hirshfeld surface analysis, in vitro antiproliferative activity and molecular docking analysis. Journal of Molecular Structure, 1311, 138422. https://doi.org/10.1016/j.molstruc.2024.138422
50. Harijan, M., Srivastava, A., & Singh, M. (2025). Polypyrrole-coated GCE sensor for sensitive detection of 5-fluorouracil via molecular imprinting. Analytical Methods, 17, 5961–5972. https://doi.org/10.1039/D5AY00345H
51. Singh, R., & Singh, M. (2025). Perspective towards nanomaterial-integrated molecularly imprinted polymer (MIP)-based electrochemical sensors for protein biomarkers detection: A review. Microchemical Journal, 215, 114314. https://doi.org/10.1016/j.microc.2025.114314
52. Srivastava, A., Raghuwanshi, R., & Singh, M. (2025). Computational designing and synthesis of epitope imprinted sensor with zwitterionic polymeric matrix for sensitive, specific and selective sensing of protein. Microchemical Journal, 212, 113324. https://doi.org/10.1016/j.microc.2025.113324
53. Singh, M., Srivastava, A., & Mandal, M. (2025). Unravelling the potential of zwitterionic polymers in molecular imprinting. Langmuir, 41, 5687–5704. https://doi.org/10.1021/acs.langmuir.4c04560
54. Mishra, A., Maurya, R., Prakash, S., Yadav, C. S., Upadhyay, A., Singh, R., Singh, M., & Singh, V. (2025). Machine learning-enhanced detection of chlorpyrifos using molecularly imprinted polymer-coated optical fibers. Talanta, 286, 127539. https://doi.org/10.1016/j.talanta.2025.127539
55. Srivastava, A., Harijan, M., Prasad, R., & Singh, M. (2024). Dual template (epitope) imprinted electrode for sensing bacterial protein with high selectivity. Journal of Molecular Recognition, 37, e3087. https://doi.org/10.1002/jmr.3087
56. Singh, R., Nair, M. L., Raghuwanshi, R., Nath, G., & Singh, M. (2024). Epitope imprinting of Sip D protein of Salmonella Typhi bacteria through multiple monomers approach. Biosensors and Bioelectronics X, 16, 100415.
57. Kumar, U., Kumar, S., Singh, A., & Sonkar, P. K. (2025). Phase and structural nanoarchitectonics of Ce-doped Sr_2SnO_4 for improved microwave dielectric and electrical properties. Applied Physics A, 131, 1–22.
58. Jangra, V., Kaur, H., Kumar, N., Kumar, U., Sonkar, P. K., & Prasad, L. B. (2025). Electrochemical determination of antipsychotic drug quetiapine fumarate using hexagonal nickel oxide nanoparticle decorated functionalized multiwalled carbon nanotubes. Electrochimica Acta, 146432.
59. Yadav, S. R., Prakash, J., Kumari, M., Rinki, K., Sonkar, P. K., & Kumar, N. (2025). Phytochemical mediated synthesis of CuO nanoparticles and its evaluation for electrocatalytic oxygen reduction reaction activity. Chemistry Select, 10(14), e202501100.
60. Kumar, N., Singh, S., Joshi, S., Yadav, M., Singh, D. K., Sonkar, P. K., & Ganesan, V. (2025). Teak wood-derived mesoporous carbon and its composite with molybdenum sulphide for electrochemical oxygen reduction. Bulletin of Materials Science, 48(1), 1–10.
61. Kumar, R., Yadav, V., Singh, P., Sonkar, P. K., Kumar, U., & Singh, S. (2024). Effect of calcination temperature on the structural, microstructure, and electrical properties of CeO_2 nanoparticles as a solid electrolyte for IT-SOFC application. Advanced Powder Technology, 35(12), 104710.
62. Kumar, N., Maurya, A. K., Bind, A. K., & Sonkar, P. K. (2024). In situ growth of silver nanoparticles on graphene oxide towards electrochemical nitrite detection. Chemistry Select, 9(5), e202303099.
63. Raghuvanshi, K., Verma, A., & Sunkari, S. S. (2025). First report of aggregation induced emission (AIE) in NIR-II region of a Pr(III) polymer chain with pyridine-2,6-dicarboxylic acid. Journal of Luminescence, 283, 121284. https://doi.org/10.1016/j.jlumin.2025.121284
64. Chauhan, S. K., Kumar, A., Jena, P., Srivastav, S. K., & Patel, S. K. S. (2025). Room-temperature dilute magnetic semiconductor behavior in nonmagnetic Ti^{4+}-doped CeO_2 nanoflowers for efficient spintronics and photocatalytic applications. Journal of Sol-Gel Science and Technology, 1–14.
65. Chauhan, S. K., Kumar, A., Verma, N. K., Jena, P., Mahanti, B., & Patel, S. K. S. (2025). R3c to P1 phase transition in Nd^{3+}/Gd^{3+} co-doped $BiFeO_3$ nanoparticles: Enhanced magnetic and photocatalytic properties. Materials Science and Engineering: B, 317, 118117.
66. Yadav, V. K., Pokharia, S., & Nath, M. (2024). Theoretical studies for the detailed electronic structure of organotin(IV) derivatives of 4-fluoroanthranilic acid, X-ray structure of n-dibutyltin bis(4-fluoroanthranilate). Journal of Molecular Structure, 1315, 138887. https://doi.org/10.1016/j.molstruc.2024.138887
67. Bishen, S. M., Adhikari, M., Pokharia, S., & Mishra, H. (2024). The effect of polarity and hydrogen bonding on the electronic and vibrational structure of the salicylate anion in acetonitrile and water: Implicit and explicit solvation approaches. RSC Advances, 14, 29569. https://doi.org/10.1039/d4ra04606d
68. Jaiswal, R. (2024, December). भारतीयखेलपरंपराऔरनृत्य. Kala Vasudha: Magazine for Art & Culture. ISSN 2348-3660.
69. Jaiswal, R. (2024, September). फारसीरंगमंचप्रसंग. Kala Vasudha: Magazine for Art & Culture. ISSN 2348-3660.
70. Begum, N. (2024, October). Ham Safar Aap Beeti Jag Beeti. Khawateen Duniya Urdu Monthly, 8(10), 12–14. NCPUL, New Delhi. ISSN 2581-4826.
71. Begum, N. (2024, December). Kalam-e-Jazbi mein Rajai Anasir. Ajkal (Urdu), 83(5), 47–50. Publications Division, New Delhi. ISSN 0971-846X.
72. Begum, N. (2025, March). Majaz ki Nazmon ka Sauti Aahang. Urdu Monthly, 27(3), 29–32. NCPUL, New Delhi. ISSN 2249-0639.
73. Hussain, M. A. (2024, May–June). Ekeeswin Sadi ke Novilon men Nau Tanisi Rujhanat. Peshraft (Urdu) Monthly, 31(10–11), 23–28. Darya Ganj, New Delhi. ISSN 2349-3437.
74. Kumar, R., Pandey, B., Das, N., Aggarwal, N., Murthy, S., Kumar, K., & Pathak, D. B. (2024). Late Tithonian (Late Jurassic) palynological record from the Jaisalmer Basin (India). Historical Biology. Taylor & Francis. https://doi.org/10.1080/08912963.2024.2427097
75. Kumar, M., Naik, D. K., Maharana, D., Das, M., Jaiswal, E., Naik, A. S., & Kumari, N. (2024). Sediment-associated microplastics in Chilika Lake, India: Highlighting their prevalence, polymer types, possible sources, and ecological risks. Science of the Total Environment. Elsevier. https://doi.org/10.1016/j.scitotenv.2023.169707
76. Kumari, S. (2025). Revisiting the socio-cultural aspects of railway in colonial India. High Technology Letters, 31(3), 52–60. https://doi.org/10.37896/HTL31.3/11404
77. Kumari, S. (2025). Railways, colonialism and environment in India: An historical introspection. Journal of Emerging Technologies and Innovative Research, 12(2), g62–g69. https://doi.org/10.1729/Journal.43862
78. Kumari, S. (2025, February). Revisiting the historiographical analysis of the 1857 revolt. International Journal of Emerging Knowledge Studies, 4(2), 14. https://ijeks.com/vol-4-issue-2-2025-february
79. Rathi, N., Singh, B., Singh, M., & Worsley, A. (2025). Household dietary gatekeepers' perceptions of home cooking and its associated factors: A qualitative inquiry from urban India. Appetite, 214, 108162. https://doi.org/10.1016/j.appet.2025.108162
80. Rathi, N., Tiwari, P., Kanwar, M., Patel, A., Singh, M., Gupta, K., & Worsley, A. (2025). What influences Indian primary school

children's food behaviors? – Perceptions of children, mothers and teachers. BMC Public Health, 25, 1585. https://doi.org/10.1186/s12889-025-22660-0

81. Chayal, A., Vatta, L., Dagar, A., & Kalla, P. (2024). Exploring the relationship between choice of study medium and information seeking behaviour of students. Gujarat Agricultural Research Journal, 48(1), 12–22.
82. Bhati, S., Vatta, L., & Ranawat, R. (2024). Start-up preferences by youth of India. E-Journal of Home Science, 36(1), 157–162.
83. Gupta, R., Vatta, L., & Chayal, K. (2025). Nutritional awareness and food preferences: A study of Banaras Hindu University hostel residents. E-Journal of Home Science Association of India, 37(1), 137–146.
84. Gautam, A., Vatta, L., & Ranawat, R. (2025). Awareness and attitudes towards high fat, sugar and salt (HFSS) foods among adolescents studying in various coaching centres in Varanasi district: A survey study. E-Journal of Home Science Association of India, 37(1), 286–294.
85. Chaturvedi, P., & Vatta, L. (2025). Exploring the strategies, utilisation and limitations of digital tool adoption in sugarcane farming. Indian Journal of Extension Education, 61(1), 118–122.
86. Yadav, N., & Vatta, L. (2025). Perceptual analysis of diverse perspectives and desired proficiencies in 21st century skills among college-going students. Indian Journal of Extension Education, 61(2), 91–95.
87. Vatta, L., Pandey, U., Pandey, A., Yelam, B., & Rathi, N. (2025). Open gyms and physical activity in a university setting: A mixed-methods study from Varanasi, India. Journal of Health, Population and Nutrition, 44, 155. https://doi.org/10.1186/s41043-025-00916-0
88. Neelam, & Chakravorty, S. (2025, January). Nutritional awareness of working mothers regarding dietary practices of their pre-school children: A cross-sectional study. Indian Journal of Home Science, 37(1), 316–324. ISSN 0970-2733.
89. Mishra, A., Mandal, S., Goswami, P., Chakravorty, S., Sahu, G., & Patel, M. (2024, December). Indigenous Ayurvedic dietary regimens for the management of psoriasis: A review. African Journal of Biomedical Research, 27(4), 12183–12187. http://dx.doi.org/10.53555/AJBR.v27i4S.6088
90. Neelam, Chakravorty, S., & Naveen. (2024, October). Factors affecting nutritional status and cognition of pre-school children studying in Anganwadi centres. Mukt Shabd Journal, 13(10), 893–902. ISSN 2347-3150.
91. Neelam, & Chakravorty, S. (2024, October). Impact of nutritional status on cognitive development among pre-school children of Varanasi. International Journal of Scientific Development and Research, 9(10), 262–267. ISSN 2455-2631.
92. Chakravorty, S., Neelam, Manisha, & Das, A. (2024, October). Enhancing the nutritional value of food through process of natural farming in India. International Journal for Multidisciplinary Research, 6(10), 1–10. E-ISSN 2582-2160.
93. Singh, D., Gupta, V., Gond, P., & Chakravorty, S. (2024, August). An investigation into psycho-social factors of non-suicidal self-injury and suicidal ideation among adolescents. Cuestiones de Fisioterapia, 53(3), 1213–1220.
94. Neelam, & Chakravorty, S. (2024, October). Malnutrition and cognitive development among under five years children in India. International Journal of Advanced Research, 12(10), 156–159. ISSN 2320-5407.
95. Vishwakarma, B., Kumari, P., & Vishwakarma, A. K. (2024). Demographic factors on cyberbullying and victimisation among university students. Indian Journal of Extension Education, 60(3), 28–32. ISSN 0537-1996, E-ISSN 2454-552X.
96. Vishwakarma, A. K., Kumari, P., & Vishwakarma, B. (2024). Role of workplace bullying in self-determination needs among university teachers. Indian Journal of Extension Education, 60(4), 95–100. ISSN 0537-1996, E-ISSN 2454-552X.
97. Kumari, P., & Mishra, P. (2024). Influence of socio-economic characteristics on career preference of adolescent girls in government inter-colleges: A comparative study of arts and science stream. The Indian Journal of Home Science, 36(1), 148–155. ISSN 0970-2733.
98. Kumari, P., & Mishra, I. (2025). Interpersonal communication skills in shaping academic performance among university students. Indian Journal of Extension Education, 60(4), 95–100. ISSN 0537-1996, E-ISSN 2454-552X.
99. Kumar, P., & [Co-authors]. (2025). Optimality and duality results for fractional programming problems under E-univexity. Numerical Algorithms. https://doi.org/10.1007/s11075-024-01840-w ISSN: 1572-9265 | Impact Factor: 1.7
100. Kumar, P., & [Co-authors]. (2025). Four type inequalities for preinvex functions with applications. Korean Journal of Mathematics. ISSN: 2288-1433
101. Kumar, P., & [Co-authors]. (2025). Optimality results for nondifferentiable multi-objective fractional programming problems under E-B-invexity. Results in Control and Optimization. https://www.sciencedirect.com/science/article/pii/S2666720724001164, Impact Factor: 3.2
102. Rani, S. (2024, April–June). Pahari Shaili ke Ramayan Chitra: Ek Punaravalokan. Apni Mati, (52), 1–8. ISSN 2322-0724.
103. Singh, S., & Rani, S. (2024, January–June). Exploring the aesthetics evolution of junk art in contemporary Indian art. Anhad Lok, 334–338. ISSN 2349-137X.
104. Kushawaha, S. K. S. (2024, January–June). Bhartiya Chitrakala me Soundarya Drishti awm Sidhant. Amnayiki, 25(2), [pages pending]. ISSN 2277-4270.
105. Kushawaha, S. K. S. (2024, January–June). Bhartiya Samkalin Kala ke Aadhar Stambh Ravindranath Taigor. Lalita KaviBharti, 12(1), [pages pending]. ISSN 0975-6256.
106. Kushawaha, S. K. S. (2025, January). Kashi ke Bhitichitra Kala ka Takaniki evam Saundarya. Anukriti: An International Multidisciplinary Research Journal, 15(1), [pages pending]. ISSN 2250-1193. Impact Factor: 7.125.
107. Naz, T., & Afroz, N. (2024). Self-regulated learning and academic achievement: Mediated role of psychological capital among secondary school students. INSPA Journal of Applied and School Psychology, 6(Special Issue), 354–361. ISSN 3048-698X.
108. Mishra, V., & Afroz, N. (2024). The detrimental effects of workplace incivility and cynicism on employees' well-being: An analysis of IT sector employees. Journal of the Indian Academy of Applied Psychology, 9(Special Issue), 351–362. ISSN 0019-4247.
109. Kumari, N., & Afroz, N. (2024). Do employees in the public and private sectors see organizational justice, commitment, creativity, and life satisfaction differently? Journal of the Indian Academy of Applied Psychology, 50(2), 226–237. ISSN 0019-4247.
110. Sharma, J., & Afroz, N. (2024). Role of positive psychological capacities on employee's flourishing, work engagement and creative behaviour. Indian Journal of Positive Psychology, 15(2), 135–139. ISSN 2229-4937.
111. Tripti, & Afroz, N. (2024). Job crafting: Current trends and future directions. Indian Journal of Positive Psychology, 15(2), 253–256. ISSN 2229-4937.
112. Kriti, V., Kumari, S., & Joshi, S. (2024). "Mask is a lifesaver for me": Girl experiences of their body when living with hirsutism having PCOS: Case study. Indian Journal of Health and Well-being, 15(3), 444–447. ISSN: 2229-5356 (Print), 2321-3698 (Online).
113. Pratap, A., Singh, T. B., Kumari, S., Pandey, K., & Singh, V. (2024). Association of sociodemographic with epidemiological profile of chronic wound patients attending a tertiary care hospital. Indian Journal of Preventive & Social Medicine, 55(3), 196–204.
114. Kriti, V., Kumari, S., & Joshi, S. (2025). Polycystic ovary syndrome (PCOS) and psychological burden: A case-control study. Indian Journal of Preventive & Social Medicine, 56(1), 88–98. ISSN: 0301-1216.
115. Nigam, H., Kumari, S., & Joshi, S. (2025). An inquiry into the religious orientation and flourishing among nursing students. INSPA Journal of Applied and School Psychology, 6(2), 288–295.
116. Behera, N., Pandey, K., & Shankar, S. (2024). Physical and mental health status of tribal people in Odisha: A systematic literature review. Global Social Welfare. https://doi.org/10.1007/s40609-024-00355-5
117. Behera, N., & Pandey, K. (2025). The mediational effect of resilience and self-esteem in the relationship between social appearance anxiety and psychological adjustment. Journal of the Indian Academy of Applied Psychology, 51(1), 214–226.
118. Neelam, Chakravorty, S., & Naveen. (2024). Factors affecting nutritional status and cognition of pre-school children studying in Anganwadi centers. Mukt Shabd Journal, 10(13), 893–902.
119. Katoch, H., & Naveen. (2025). Role of aerobic fitness and personality on attentional network task performance and task load perception. International Journal of Interdisciplinary Approaches in Psychology, 3(30), 233–251.
120. Singh, Y., & Gupta, V. (2025). Couple satisfaction as a predictor of general health and life satisfaction. Indian Journal of Positive Psychology, 16(2), 1–10.
121. Mourya, M., & Gupta, V. (2025). Factor analysis and psychometric characteristics of Hindi version of social media use scale. Journal of Media and Communication, 9(1), 27–40.
122. Gupta, V. (2025). Enhancing psychosomatic well-being through traditional mindfulness practice of Vipassana. Indian Journal of Positive Psychology, 16(1), 138–142.
123. Singh, D., Gupta, V., & Gond, P. (2025). Role of personality in prediction of non-suicidal self-injury and suicidal thought. Indian Journal of Health and Well-being, 16(1), 1–10.
124. Gupta, V., Gond, P., & Singh, D. (2024, December). Parent-child relationship, peer bonding, identity formation, and self-injury among adolescents. Junikhayat, 130–135.
125. Singh, D., Gupta, V., Gond, P., & Chakravorty, S. (2024). An investigation into psycho-social factors of non-suicidal self-injury and suicidal ideation among adolescents. Cuestiones de Fisioterapia, 53(3), 1213–1220.
126. Kumari, S., Das, S., Sonker, P. K., et al. (2025). Prediction of hepatitis-C virus using statistical learning models. Discover Public Health, 22, 306. https://doi.org/10.1186/s12982-025-00654-y
127. Raj, R., Patel, K. K., & Kumar, M. (2025). Profiling of human genes afflicted with nasopharyngeal carcinoma using microarray data. Human Gene, 43, 201376.
128. Patel, K. K., Prasad, J. B., Singh, R., et al. (2024). Change in malnutrition among under-5 children in Mali: A comparative analysis of 2012–13 and 2018 and exploration of determinants. Nutrire, 49, 35. https://doi.org/10.1186/s41110-024-00277-4
129. Basu, S., & Ng, H. K. T. (2025). A density power divergence measure to discriminate between generalized exponential and Weibull distributions. Statistical Papers, 66(6). https://doi.org/10.1007/s00362-024-01637-y
130. Das, R., Kumar, P., Singh, A. K., Rajput, V. D., Agrawal, S., Bhattacharya, I., Mishra, S. K., Tiwari, K. N., & Tripathi, A. K. (2024). Green synthesis of silver nanoparticles using Trema orientalis (L.) extract and evaluation of their antibacterial activity. Green Chemistry Letters and Reviews, 18(1). https://doi.org/10.1080/17518253.2024.2444679ResearchGate
131. Kumar, P., Rajput, V. D., Tiwari, K. N., Mishra, S. K., Agrawal, S., Das, R., Minkina, T., Singh, A. K., Shukla, P. K., Wong, M. H., Kaushik, A., Albukhaty, S., Sulaiman, G. M., Khane, Y., & Al Ali, A. (2024). Nano-assisted delivery tools for plant genetic engineering: A review on recent developments. Environmental Science and Pollution Research, [volume(issue)]. https://doi.org/10.1007/s11356-024-35806-1
132. Kumar, J., Shankar, G., Kumar, S., Singh, G., Gajendra, T. A., Rai, S., Mandloi, U., Srikrishna, S., Kumar, S., Singh, A. K., Kumar, P., Tiwari, K. N., Krishnamurthy, S., Modi, G., & Mishra, S. K. (2024). Design, synthesis and biological evaluation of novel piperic acid and benzylpiperazine hybrid molecules for improvement of memory impairment via cholinesterase inhibitory activity. Chemical Papers, [volume(issue)]. https://doi.org/10.1007/s11696-024-03787-7
133. Suman, G., Gaurav, P., Saini, R., Tiwari, K. N., &Jiwatram, G. G. (2024). Evaluation of acute and subacute toxicity and antioxidant potential of aqueous leaf extract of Premna integrifolia L. on male reproductive function in BALB/c mice. Phytomedicine Plus, [volume(issue)]. https://doi.org/10.1016/j.phyplu.2024.100680
134. Verma, P., Dixit, J., Singh, C. S., Singh, A. N., Singh, A., Tiwari, K. N., Muthu, M. S., Nath, G., & Mishra, S. K. (2024). Evaluation of the wound healing efficacy of the hydrogel of a hydroalcoholic root extract of Premna integrifolia L. and its mediated green synthesized silver nanoparticles. Materials Today Communications, [volume(issue)]. https://doi.org/10.1016/j.mtcomm.2024.110228
135. Dixita, J., Verma, P., Mishra, P., Tiwari, K. N., Tiwari, S. K., Mishra, S. K., & Singh, J. (2024). Direct shoot regeneration from cotyledonary node of Uraria picta Jacq., an important Dashamula plant, and assessment of genetic fidelity, metabolic profiling, and anti-diabetic activity. Industrial Crops and Products, [volume(issue)]. https://doi.org/10.1016/j.indcrop.2024.119064
136. Dixit, J., Kumar, P., Singh, R., Verma, P., Tiwari, K. N., Singh, R. K., Mishra, S. K., & Singh, J. (2024). Green synthesized silver nanoparticles from highly valuable plant Uraria picta Jacq. and its anti-leishmanial. Biomass Conversion and Biorefinery, [volume(issue)]. https://doi.org/10.1007/s13399-024-05736-6
137. Upadhyay, R., Saini, R., Shukla, P. K., & Tiwari, K. N. (2024). Role of secondary metabolites in plant defense mechanisms: Molecular and biotechnological insights. Phytochemistry Reviews, [volume(issue)]. https://doi.org/10.1007/s11101-024-09976-2

138. Singh, K., Kumar, P., Singh, A. K., Singh, N., Singh, S., Tiwari, K. N., Agrawal, S., Das, R., Singh, A., Ram, B., Tripathi, A. K., & Mishra, S. K. (2024). In silico and network pharmacology analysis of fucosterol: A potent anticancer bioactive compound against HCC. Medical Oncology, 41(130). https://doi.org/10.1007/s12032-024-02374-w
139. Singh, A. K., Kumar, P., Mishra, S. K., Tiwari, K. N., Singh, A. K., & Pandey, A. K. (2024). A network pharmacology approach with experimental validation to discover protective mechanism of poly herbal extract on diabetes mellitus. Journal of King Saud University – Science, [volume(issue)]. https://doi.org/10.1016/j.jksus.2024.103138
140. Singh, A. K., Kumar, P., Mishra, S. K., Rajput, V. D., Tiwari, K. N., Singh, A. K., Minkina, T., & Pandey, A. K. (2024). A dual therapeutic approach to diabetes mellitus via bioactive phytochemicals found in a poly herbal extract by restoration of favorable gut flora and related short-chain fatty acids. Applied Biochemistry and Biotechnology, [volume(issue)]. https://doi.org/10.1007/s12010-024-04879-6
141. Sharma, A., Dubey, P. K., Kumar, P., Tiwari, K. N., & Tripathi, A. (2024). Identification and molecular characterization of genes modulating progression of an oocyte from M-I to M-II in rat ovary. American Journal of Reproductive Immunology, [volume(issue)]. https://doi.org/10.1111/aji.13825
142. Singh, C., Mehata, A. K., Viswanadh, M., Tiwari, P., Saini, R., Singh, S., Tilak, R., Tiwari, K. N., & Muthu, M. S. (2024). Chitosan film of thiolated TPGS-modified Au-Ag nanoparticles for combating multidrug-resistant bacteria. Colloids and Surfaces A: Physicochemical and Engineering Aspects, [volume(issue)]. https://doi.org/10.1016/j.colsurfa.2024.133287
143. Upadhyay, R., & Tiwari, K. N. (2024). The screening of potential drug candidates against hepatitis C virus through in silico approach from newly identified phytoconstituents of Phyllanthus fraternus G.L. Webster: Hepatoprotective compounds against hepatitis C virus from P. fraternus. Indian Journal of Experimental Biology, 62(1), 17–27. https://doi.org/10.56042/ijeb.v62i01.4628
144. Singh, C. S., Mehata, A. K., Muthu, M. S., & Tiwari, K. N. (2024).Premna integrifolia: A review on exploration of its potential pharmacological and therapeutic properties. Current Traditional Medicine, 10(2), 37–50. https://doi.org/10.2174/2215083809666230314154734
145. Singh, A. N., Verma, P., Singh, S., Upadhyay, N., Tiwari, K. N., & Nath, G. (2025). Evaluation of phage-antibiotic synergy (PAS) against biofilm formed by colistin-resistant Klebsiella pneumoniae. Journal of Clinical Immunology & Microbiology, 6, 1–12. http://dx.doi.org/10.46889/JCIM.2025
146. Singh, A. K., Pathak, A. K., Kumar, P., Singh, A. K., Sah Gond, M. K., Negi, R. S., Das, R., Agrawal, S., Tiwari, K. N., & Mishra, S. K. (2025). Effects of asiatic acid on brain cancer by altering astrocytes and the AKT1-PRKCB signaling pathway: A genomic and network pharmacology perspective. Brain Research, [volume(issue)]. https://doi.org/10.1016/j.brainres.2025.149652
147. Singh, A. K., Kumar, P., Sah Gond, M. K., Mishra, S. K., Tiwari, K. N., & Singh, A. K. (2025). Berberine's antihyperglycemic effects via modulation of pancreatic ferroptosis and the CDC42-AR/PTGS2/ESR1 signaling pathway: A genomic and network pharmacology approach. Journal of Molecular Structure, [volume(issue)]. https://doi.org/10.1016/j.molstruc.2024.141208
148. Prajapati, J., Gupta, A., Gautam, R. K., Joshi, J., Kumari, N., & Tiwari, I. (2025). 2D hexagonal boron nitride nanosheets supported with doped zinc oxide nanoparticle-based electrochemical sensor for the detection of indole-3-acetic acid. Ionics, 31, 6309–6324.
149. Gupta, A., Pandey, B. C., Yaseen, M., Kushwaha, R., Shukla, M., Chaudhary, P., Manna, P. P., Singh, A., Tiwari, I., Nath, G., & Kumari, N. (2025). Exploring anticancer, antioxidant, and antimicrobial potential of Aspergillus flavus, a fungal endophyte isolated from Dillenia indica leaf callus. Heliyon, 11(3), e42142.
150. Pandey, B. C., Gupta, A., Sahu, A. N., Dey, R., Raghuwanshi, R., & Kumari, N. (2024). Biogenic synthesis of silver nanoparticle from flower extract of Wedelia chinensis and their antibacterial and antioxidant activity. Nano Express, 5(2), 025027.
151. Gupta, A., Pandey, B. C., Verma, J., Tiwari, I., Sahu, A. N., Manhas, R. K., & Kumari, N. (2024). Biosynthesis of silver nanoparticle from flower extract of Dillenia indica and its efficacy as antibacterial and antioxidant. Microbial Pathogenesis, 193, 106779.
152. Kumari, P., Kushwaha, R., Reddy, R. C., & Kumari, N. (2025). Evaluating the impact of little millets on glycaemic control and metabolic health in individuals with diabetes: An analytical study. International Journal of Ayurvedic Medicine, 26–30.
153. Kushwaha, R., Kumari, P., Reddy, R. C., & Kumari, N. (2025). Evaluating the pharmacokinetics and bioavailability of Pterygota alata inflorescence based on high-resolution mass spectroscopy study to determine the reservoirs of Ayurvedic components with an emphasis on their potential therapeutic use for diabetes mellitus. International Journal of Ayurvedic Medicine, 37–42.
154. Kanda, T., Srivastava, R., Yadav, S., Singh, N., Singh, V. K., Mishra, R., Yadav, S., & Atri, N. (2025). Herbicide pretilachlor impairs biofertilizer potential of Anabaena doliolum: Integrating proteomic responses, nitrogen fixation, and computational analysis. Journal of Hazardous Materials, [article number]. https://doi.org/10.1016/j.jhazmat.2025.138673
155. Yadav, S., Srivastava, R., Singh, N., Kanda, T., Verma, E., Choudhary, P., Yadav, S., & Atri, N. (2025). Cyanobacteria–pesticide interactions and their implications for sustainable rice agroecosystems. International Journal of Microbiology, 2025(1), Article 7265036. https://doi.org/10.1155/ijm/7265036horizonepublishing.com
156. Srivastava, R., Singh, N., Kanda, T., Yadav, S., Yadav, S., & Atri, N. (2024, August 2). Cyanobacterial proteomics: Diversity and dynamics. Journal of Proteome Research, 23(8), 2680–2699. https://doi.org/10.1021/acs.jproteome.3c00779PubMed
157. Singh, N., Srivastava, R., Kanda, T., Yadav, S., Prajapati, R., Yadav, S., Tiwari, K. N., & Atri, N. (2024). Essential oils: A "potential green" alternative in pharmaceutical, nutritional and agricultural sectors. Bioactivities, 2(1), 1–23. https://doi.org/10.47352/bioactivities.2963-654X.197
158. Pandey, B. C., Gupta, A., Sahu, A. N., Dey, R., Raghuwanshi, R., & Kumari, N. (2024, June 17). Biogenic synthesis of silver nanoparticle from flower extract of Wedelia chinensis and their antibacterial and antioxidant activity. Nano Express, 5, 025027. https://doi.org/10.1088/2632-959X/ad54df
159. Dey, R., &Raghuwanshi, R. (2024). An insight into pathogenicity and virulence gene content of Xanthomonas spp. and its biocontrol strategies. Heliyon, 10(14), Article e34275. https://doi.org/10.1016/j.heliyon.2024.e34275
160. Naseem, M., Verma, P. C., Raghuwanshi, R., Gaur, V. K., Singh, M., Seth, S., & Srivastava, P. K. (2024). Soil microbiome and its functional attributes under the gradient of arsenic contamination in paddy soils. Water, Air, & Soil Pollution, 235, Article 597. https://doi.org/10.1007/s11270-024-07412-x
161. Gupta, S. K., Dey, R., Devi, S., &Raghuwanshi, R. (2024). Implications and adaptive responses in Avena sativa towards rhizospheric bacteria under drought stress. The Microbe, 4, Article 100159. https://doi.org/10.1016/j.microb.2024.100159
162. Gupta, S., Dube, S. P., &Raghuwanshi, R. (2024). Rhizoengineering influences on microbial communities and soil dynamics investigated in post-harvest oat fields. Soil Advances, 3, Article 100032. https://doi.org/10.1016/j.soilad.2024.100032
163. Prasad, J. K., Dey, R., Pandey, P., &Raghuwanshi, R. (2025). Exploring drought tolerance in PGPR-protected wheat plants through physiological and molecular expression. Journal of Plant Growth Regulation. Advance online publication. https://doi.org/10.1007/s00344-025-11649-z
164. Naseem, M., Raghuwanshi, R., Verma, P. C., Tripathi, R. D., & Srivastava, P. K. (2025). Harnessing fungal biotechnology for sustainable management of arsenic contamination in agricultural ecosystems. Environmental Reviews. Advance online publication. https://doi.org/10.1139/er-2024-0101
165. Srivastava, A., Raghuwanshi, R., & Singh, M. (2025). Computational aided designing of epitope imprinted sensor with zwitterionic polymeric matrix for sensitive, specific and selective sensing of protein. Microchemical Journal, 212, Article 113324. https://doi.org/10.1016/j.microc.2025.113324
166. Dube, S. P., Dey, R., Devi, S., &Raghuwanshi, R. (2024). Leaf pigment variations in Brassica juncea L. at different growth stages in response to rhizospheric bacterial treatments. Current Agriculture Research Journal, 12(2), 25. https://doi.org/10.12944/CARJ.12.2.25
167. Lata, R., & Gond, S. K. (2025). Antibacterial and antioxidant potentials, detection of host origin compounds, and metabolic profiling of endophytic Bacillus spp. isolated from Rauvolfia serpentina (L.) Benth. ex Kurz. Scientific Reports, 15(1), 2094.
168. Khan, U., & Gond, S. K. (2024). Detection of vinblastine and related bioactive compounds from culture extracts of endophytic fungi of Catharanthus roseus. World Journal of Microbiology and Biotechnology, 40(9), 278.
169. Gupta, A., Gond, S. K., & Mishra, V. K. (2024). Isolation and characterization of hexavalent chromium-tolerant endophytic bacteria inhabiting Solanum virginicum L. roots: A study on potential for chromium bioremediation and plant growth promotion. Journal of Hazardous Materials Letters, 5, Article 100114.
170. Kumar, H., Lata, R., Khan, U., White Jr, J. F., & Gond, S. K. (2025). Potential application of endophytic bacteria for induction of abiotic stress tolerance in plants. Symbiosis, 95(2), 153–181.
171. Khan, U., Lata, R., Kumar, H., & Gond, S. K. (2024). Exploration of oncolytic drugs from endophytic fungi of Catharanthus roseus. South African Journal of Botany, 173, 330–337.
172. Nkebiwe, P. M., Lekfeldt, J. D. S., Symanczik, S., Mäder, P., Bar-Tal, A., Biró, B., Bradacova, K., Brecht, J., Pedro, C., Choudhary, K. K., Cozzolino, V., et al. (2024). Effectiveness of bio-effectors on maize, wheat and tomato performance and P acquisition from greenhouse to field scales in Europe and Israel: A meta-analysis. Frontiers in Plant Science, 15, Article 1333249. https://doi.org/10.3389/fpls.2024.1333249
173. Upadhyay, V., Choudhary, K. K., & Agrawal, S. B. (2024). Use of biochar as a sustainable agronomic tool, its limitations and impact on environment: A review. Discover Agriculture, 2, Article 20. https://doi.org/10.1007/s44279-024-00033-2
174. Srivastava, Y., Kesharwani, T., Singh, P., & Choudhary, K. K. (2024). Minor millets: An underutilized super crop for combating malnutrition and ensuring food security. Vegetos. Advance online publication. https://doi.org/10.1007/s42535-024-01130-9
175. Kumar, S., Raj, S., Pal, A., Tripathi, P., Choudhary, K. K., Mitra, D., Rani, A., Santos-Villalobos, S. D. L., & Tripathi, V. (2024). Isolation and identification of rhizospheric and endophytic bacteria from cucumber plants irrigated with wastewater and their role in plant growth promotion and disease suppression. Current Research in Microbial Sciences, 7, Article 100256. https://doi.org/10.1016/j.crmicr.2024.100256
176. Singh, A., Singh, P., Kashyap, J., Tripathi, P., Choudhary, K. K., Sharma, P. K., Karmakar, R., Shah, M. P., & Tripathi, V. (2024). Mitigating antibiotic pollution in wastewater by harnessing the potential of microalgae-based bioremediation technologies. Vegetos. Advance online publication. https://doi.org/10.1007/s42535-024-01035-7
177. Amin, N., Singh, V. K., & Kannaujiya, V. K. (2025). Mycosporine-like amino acids as a potential inhibitor of tyrosinase-related protein 1: Computational screening, pharmacokinetics, and molecular dynamics simulation. Molecular Biotechnology, 67(4), 1674–1694.
178. Pandey, A., Amin, N., Kannaujiya, V. K., & Sinha, R. P. (2024). Extraction, characterization and antioxidative potentials of UV-screening compound, mycosporine-like amino acids from epilithic cyanobacterium Lyngbya sp. HKAR-15. World Journal of Microbiology and Biotechnology, 40, Article 378.
179. Amin, N., Jaiswal, M., & Kannaujiya, V. K. (2024). Effect of temperature on morphology, physiology and metabolic profile of diazotrophic cyanobacteria inhabiting diverse habitats. Plant Physiology and Biochemistry, 216, Article 109186.
180. Pandey, S., & Kannaujiya, V. K. (2024, November). Bacterial extracellular biopolymers: Eco-diversification, biosynthesis, technological development and commercial applications. *International Journal of Biological Macromolecules, 279*(Pt 3), Article 135261. https://doi.org/10.1016/j.ijbiomac.2024.135261 PubMed
181. Sharma, S., Shukla, A., Dev, K., & Singh, S. (2025, July). Screening *Withaniasomnifera* as biostimulant to enhance growth of crop plants and chemical profiling of its active fractions. *Fitoterapia, 185*, Article 106741. Advance online publication. https://doi.org/10.1016/j.fitote.2025.106741 PubMedResearchGate
182. Yadav, A., Singh, S., & Yadav, V. (2024). Screening herbal extracts as biostimulant to increase germination, plant growth and secondary metabolite production in wheatgrass. *Scientific Reports, 14*, Article 607. https://doi.org/10.1038/s41598-023-50513-6 Nature
183. Yadav, A., & Singh, S. (2024). Comparative study of Indian wheat (*Triticum aestivum* L.) varieties with respect to phytochemical profiling and antioxidant activity. *Journal of Pharmacognosy and Phytochemistry, 13*(4), 97–106.
184. Sivakumar, P., Pandey, S., Ramesha, A., Davda, J. N., Singh, A., Kumar, C., Gala, H., Subbiah, V., Adicherla, H., Dhawan, J., Aravind, L., & Siddiqi, I. (2025, March). Sporophyte-directed gametogenesis in *Arabidopsis*. *Nature Plants, 11*(3), 398–409.

https://doi.org/10.1038/s41477-025-01932-y ResearchGateSciety

185. Gupta, A., Pandey, B., Yaseen, M., Kushwaha, R., Shukla, M., Chaudhary, P., Manna Partha, P., Singh, A., Tiwari, I., Nath, G., & Kumari, N. (2025). Exploring anticancer, antioxidant, and antimicrobial potential of *Aspergillus flavus*, a fungal endophyte isolated from *Dillenia indica* leaf callus. *Heliyon, 11*(3), Article e42142. https://doi.org/10.1016/j.heliyon.2025.e42142.
186. Bharti, A., Ansari, M. A., Tewari, M., Narayan, G., & Singh, S. (2024). Clinical significance of frequently down-regulated phosphatidylethanolamine-binding protein-1 in gallbladder cancer. Digestive Diseases and Sciences, 69, 502–509. https://doi.org/10.1007/s10620-023-07945-1
187. Parida, B. P., Radhakrishnan, M., Goyal, V., Sharma, A., Zarekar, R., Ansari, M. A., Singh, J., Singh, S., & Narayan, G. (2025). Anti-cancer potential of non-curcuminoid bioactive from Curcuma caesia Roxb. (Black Turmeric): Targeting cervical cancer via PI3K/Akt pathway modulation. European Journal of Medicinal Chemistry Reports, 14, 100273. https://doi.org/10.1016/j.ejmcr.2025.100273
188. Kumari, A., Singh, K., Tiwari, N., Katiyar, D., Singh, S. P., & Mishra, A. (2025). Paradendryphiella arenariae (MW504999) as a novel fungal source of tenuazonic acid in tomato (Lycopersicon esculentum). Indian Journal of Microbiology. https://doi.org/10.1007/s12088-025-01494-9
189. Kumari, A., Singh, K., & Uttam, G. (2024). Tenuazonic acid-induced mycotoxicosis in an immunosuppressed mouse model and its prophylaxis with cinnamaldehyde. Chemosphere, 363, 142812.
190. Joshi, R., Pokharia, S., Singh, A., Mishra, H., & Singh, K. (2024). Combined experimental and theoretical studies of diorganotin(IV) complexes of 1,2,4-triazole based Schiff base: Synthesis, spectroscopic investigation, DFT calculation, antifungal activity. Journal of Molecular Structure, 1296(1), 136824.
191. Saloni, Singh, K., & Jiwatram, G. G. (2024). In silico study highlighting the interactions between the active sites of steroidogenic enzymes and endocrine disruptors found in daily use products. Letters in Applied NanoBioSciences, 13(4), 187. https://doi.org/10.33263/LIANBS134.187
192. Singh, P., Kumari, S., Chakravortty, H., Pandey, A., Dash, D., & Singh, R. (2025). In vivo, in vitro, and in silico approaches in the detailed study of di-butyl phthalate (DBP), a plasticizer-induced lung fibrosis via Nrf-2/Keap-1/HO-1 pathway and its regulation. Bioorganic Chemistry, 154, 107970. https://doi.org/10.1016/j.bioorg.2024.107970
193. Kumari, S., Singh, P., Dash, D., & Singh, R. (2024). Understanding the molecular basis of the anti-fibrotic potential of intranasal curcumin and its association with mitochondrial homeostasis in silica-exposed mice. Mitochondrion, 78, 101943. https://doi.org/10.1016/j.mito.2024.101943
194. Kumari, S., Singh, P., & Singh, R. (2024). Repeated silica exposures lead to silicosis severity via PINK1/PARKIN mediated mitochondrial dysfunction in mice model. Cell Signalling, 121, 111272. https://doi.org/10.1016/j.cellsig.2024.111272
195. Pandey, V., Yadav, V., Srivastava, A., Gaglani, P., Singh, R., & Subhashini. (2023). Blocking μ-opioid receptor by naltrexone exaggerates oxidative stress and airway inflammation via the MAP kinase pathway in a murine model of asthma. Free Radical Biology and Medicine, 212(2). https://doi.org/10.1016/j.freeradbiomed.2023.12.023
196. Suman, G., Gaurav, P., Joshi, M., Chaube, R., & Jiwatram, G. G. (2025). Toxicogenomic profiling of endocrine disruptor 4-nonylphenol in male catfish Heteropneustes fossilis with respect to gonads. Scientific Reports, 15(1), 14307. https://doi.org/10.1038/s41598-025-92226-y
197. Gaurav, P., Saini, R., Tiwari, K. N., & Jiwatram, G. G. (2025). Phytochemical and toxicological evaluation of aqueous leaf extract of Premna integrifolia L. in male BALB/c mice. Phytomedicine Plus, 5(1), 100680. https://doi.org/10.1016/j.phyplu.2024.100680
198. Saloni, Singh, K., & Jiwatram, G. G. (2024). In silico study highlighting the interactions between the active sites of steroidogenic enzymes and endocrine disruptors found in daily use products. Letters in Applied NanoBioSciences, 13(4), 187. https://doi.org/10.33263/LIANBS134.187
199. Mishra, B., Patil, S., Srivastava, N., Pathak, A., Jiwatram, G. G., & Mishra, V. N. (2024). Heavy metals as a risk factor for Parkinson's disease: An epidemiological and in silico study. Indian Journal of Pure & Applied Biosciences, 39(1), 135–144. ISSN 0970-2091
200. Tripathi, A., Gayen, T., Maitra, P., Kumari, U., Mittal, S., & Mittal, A. K. (2024). Assessment of triclosan-induced histopathological and biochemical alterations, and molecular docking simulation analysis of acetylcholinesterase enzyme in the gills of fish, Cyprinus carpio. Environmental Science and Pollution Research International, 31(28), 41069–41083. https://doi.org/10.1007/s11356-024-33840-7
201. Gayen, T., Tripathi, A., Mittal, S., & Kumari, U. (2024). Assessment of cell death in the liver of Labeo rohita on exposure to an emerging contaminant aspirin: An immunofluorescent, flow cytometric and biochemical investigation. Fish Physiology and Biochemistry, 50(6), 2551–2562. https://doi.org/10.1007/s10695-024-01405-7
202. Raj, R., Subhashini, Patel, K. K., & Kumar, M. (2025). Profiling of human genes afflicted with nasopharyngeal carcinoma using microarray data. Human Gene, 43, 201376.
203. Yadav, V., Pandey, V., Gaglani, P. K., Srivastava, A., Soni, & Subhashini*. (2025). SIRT-2 inhibition by AK-7 orchestrates fibrotic cascades in airways through neuroimmune interaction via TRPA1, TRPM8 and TGF-β signaling. Biochemical Pharmacology, 232, 116689.
204. Yadav, V., Pandey, V., Gaglani, P. K., Srivastava, A., Soni, & Subhashini*. (2024). Network pharmacology and molecular docking insights into Sirtuin-2 inhibitors (AK-7 and AGK-2): A synergistic strategy for COPD treatment. Human Gene, 43, 201360.
205. Verma, A., Subhashini., Srivastava, V., & Singh, A. (2024). Protective effect of neem leaf extract and dexamethasone in cigarette-smoke induced liver and kidney injury in Swiss mice: A comparative analysis. Notulae Scientia Biologicae, 16(1), 11657.
206. Yadav, V., Pandey, V., Gaglani, P. K., Srivastava, A., Soni, & Subhashini*. (2024). Inhibiting SIRT-2 by AK-7 restrains airway inflammation and oxidative damage promoting lung resurgence through NF-kB and MAP kinase signalling pathway. Frontiers in Immunology, 15, 1404122.
207. Kumari, P., Kumar, P., Gupta, R. K., Tripathi, A., Dubey, P. K., Ambasta, A., Chauhan, J., Goura, J., Kumar, A., & Tripathi, G. (2025). Synthesis, crystallographic study, in silico and in vitro investigation of novel flavonol-amino acid conjugate as an anti-proliferative agent. Journal of Molecular Structure, 142768.
208. Gupta, R. K., Priyadarshan, A., Tiwari, S., Patel, Y., Bind, A. K., Tripathi, G., Tripathi, A., Kumar, A., & Dubey, P. K. (2025). THPM (1,2,3,4-tetrahydro pyrimidine) and berberine exhibit synergistic impact on inhibition of cell migration and colonization through ROS-mediated apoptotic pathways in the breast cancer cells. ChemistrySelect, 10(16), e202404148.
209. Bhushan, R., Trivedi, R., Raj, R., Rani, A., Rai, S., Tripathi, A., Rawat, S. G., Kumar, A., Kumar, D., & Dubey, P. K. (2025). Integration of transcriptomics and metabolomics data revealed role of insulin resistant SNW1 gene in the pathophysiology of gestational diabetes. Scientific Reports, 15(1), 4159.
210. Chauhan, J. K., Kumar, P., Dubey, P. K., & Tripathi, A. (2025). Phyto-fingerprinting of Putranjiva roxburghii Wall. leaf extract and its in vitro anti-inflammatory activity. Cell Biochemistry and Biophysics, 1–9.
211. Pandey, V., Sharma, A., Tiwari, S., Patel, Y., Chauhan, J. K., Ayesha, S., Sahu, A. N., Gupta, R., Tripathi, A., & Dubey, P. K. (2024). Shatavarin-IV rescues the Di(2-ethylhexyl) phthalate (DEHP) induced oxidative stress in rat granulosa cells in vitro. Reproductive Toxicology, 130, 108737.
212. Bhushan, R., Haque, S., Gupta, R. K., Rani, A., Diwakar, A., Agarwal, S., Tripathi, A., & Dubey, P. K. (2024). Genetic variants related to insulin metabolism are associated with gestational diabetes mellitus. Gene, 927, 148704.
213. Chauhan, J. K., Dubey, P. K., Rai, S., & Tripathi, A. (2024). Induction and characterization of a rat model of endometriosis. Scientific Reports, 14, Article 18827.
214. Arunim, Mishra, R., & Bajpai, S.* (2025, February 20–22). Development of biocompatible hydrogel for diabetic wound healing. Paper presented at NBHES, Zoology Section, MMV, BHU, Varanasi.
215. Solanki, M., Gulliya, S., & Bajpai, S.* (2025, February 24–25). Role of angiogenesis and lymphangiogenesis in wound healing. Paper presented at the National Conference in Pharmaceutical Sciences: From Bench Innovations to Laboratory Applications and Beyond, Amity Institute of Pharmacy, Amity University, Uttar Pradesh.
216. Monika, Gulliya, S., & Bajpai, S.* (2025, February 24–25). Development and characterization of Carbopol-based hydrogel as diabetic wound dressing materials. Paper presented at the National Conference in Pharmaceutical Sciences: From Bench Innovations to Laboratory Applications and Beyond, Amity Institute of Pharmacy, Amity University, Uttar Pradesh.
217. Bajpai, S.*, & Gulliya, S. (2025, February 24–25). Behavioral aspect of Boldine on diabetic neuropathic mice. Paper presented at the National Conference in Pharmaceutical Sciences: From Bench Innovations to Laboratory Applications and Beyond, Amity Institute of Pharmacy, Amity University, Uttar Pradesh.
218. Singh, S. K. (2024). Understanding the shortcomings of cataloguing practices in ratified preservation: A case study of Taka Museum. Library Hi-Tech News. https://doi.org/10.1108/LHTN-09-2024-0166
219. Singh, S. K. (2024). A numismatic examination of two SAMATATA gold coins in the cabinet of the Department of Archeology, Bangladesh. JUNI KHYAT, 2278-4632.
220. Singh, S. K. (2024). Bodhisattva Avalokitesvarana: Guardian of traders' paths. AMNAYIKI, 2277-4270.
221. Singh, S. K. (2024). Semiotics of symbols in ancient Indian historical writing: With special reference to Indo-Greek coins. Journal of History, Archeology and Architecture, 2583-5106.
222. Singh, S. K. (2025). Mathura Nagar ke pramukh utkhani purasthal. Research Today, 16, ISSN 2319-6947.
223. Prajapati, H. R. (2025). Evaluating the Impact of PM-KISAN Scheme on Farmer's Income and Expenditure: Evidence from Bundelkhand. The Society of Economics and Development, 61.
224. Yadava, A. K., Yadav, V., & Singh, B. P. (2024). Benchmarking economic performance of Indian states through supply and demand side financial inclusion indices: A DEA approach. SN Business & Economics, 5(1), 8.
225. Gupta, R., & Singh, B. P. (2024, October). Does access to finance and investment climate enhance small and medium enterprises (SMEs) innovation in India? Operations Research Forum, 5(4), 95. Springer International Publishing.
226. Tripathi, S., & Singh, B. P. (2024). Pre-and post-disinvestment performance evaluation of state-owned utility sector enterprises in India: The way forward. Liberal Studies, 9, 151.
227. Tripathi, S., & Singh, B. P. (2024). Does disinvestment affect stock prices? An event study approach on the Indian public sector stocks. Journal of Social and Economic Development, 1–14.
228. Gupta, R., & Singh, B. P. (2024). Access to finance, investment climate, and the performance of small and medium enterprises in India. Odisha Economic Journal, 56(1), 50–73.
229. Singh, S., & Singh, B. P. (2024). Does environmental, social and governance have an impact on stock performance? A panel study of Indian companies. Journal of Applied Economic Sciences, 19(2[84]), 169–177. https://doi.org/10.57017/jaes.v19.2(84).05
230. Tripathi, S., & Singh, B. P. (2023, July). Disinvestment and technical efficiency of state-owned utility sector enterprises in India. In International Conference on Financial Markets & Corporate Finance (pp. 307–327). Springer Nature Singapore.
231. Let, S., & Tiwari, S. (2024). Health and environmental effects of residents living close to open waste collection centres of Varanasi City, Uttar Pradesh. Annals of the National Association of Geographers, India, 44(1).
232. Let, S., Tiwari, S., Singh, A., & Chakrabarty, M. (2024). Prevalence and determinants of anaemia among women of reproductive age in aspirational districts of India: An analysis of NFHS 4 and NFHS 5 data. BMC Public Health, 24(1), 437.
233. Devi, & Tiwari. (2024). Impact of landholding size on living conditions of farmers in Bareilly District, Uttar Pradesh. Punjab Geographer, 20.
234. Caroline, & Tiwari. (2024). Women's participation in floriculture: A catalyst for economic growth in Nagaland. The Deccan Geographer, 62(9), 58–71.
235. Shukla, & Tiwari. (2024). A geographical perspective on school dropouts in India. The Deccan Geographer, 62(7), 286–304.
236. Shukla, S., Upadhyay, A. K., & Tiwari, S. (2024). Effects of educational and socio-economic factors on child marriages in India: A statistical analysis. Indian Journal of Human Development, 18(2), 224–241.
237. Srivastava, P. K., & Rawat, R. (2024). Retrieval of leaf chlorophyll content using drone imagery and fusion with Sentinel-2 data. Smart Agricultural Technology, 6, 100353.
238. Banerjee, & Saha. (2024). Station area planning and resilient urban transformation: Insights from Siliguri through stakeholders' perspectives. The Oriental Anthropologist, 24(2), 385–410.

239. Banerjee, & Saha. (2024). Contributions to urban settlement geography in India: A critical review of selected literature. Prace i Studia Geograficzne, 69(2), 71–88.
240. Banerjee, & Saha. (2024). Rail transport, commodity flows and sustainable urban development: An appraisal to the complementarity of a 'Railway Town' in India. Ateliê Geográfico, 18(2), 60–81.
241. Banerjee, I., Bajaj, A., & Saha, A. (2025). Mobility practice of slum households in Siliguri City: Analyzing the nexus between mobility, poverty, and human adaptations in urban India. The Oriental Anthropologist, 25(1), 43–66.
242. Devi, & Saha. (2024). The Gurugram–Manesar urban complex: Processes, problems and prospects of de-centralization from Delhi. Transactions, 46(2), 215.
243. Devi, & Saha. (2024). Farmers' struggle against land acquisition in Gurugram–Manesar urban complex. The Deccan Geographer, 62(5), 90–101.
244. Devi, & Saha. (2024). Relevance of the Chicago classical models in urban morphology of the Gurugram–Manesar urban complex, India. Indian Geographical Journal.
245. Banerjee, I., Bajaj, A., & Saha, A. (2025). Sustainable transportation infrastructure in Indian cities of different size-class: Towards a research and policy agenda. Papers in Applied Geography, 11(2), 210–228.
246. Banerjee, I., Bajaj, A., & Saha, A. (2025). Reimagining the streetscapes of Varanasi City: Public art, urban regeneration and smart city practices. Area, e70005.
247. Bano, S. (2024, August 3). Cyber police stations and cybercrime against women in India: A critical analysis. Economic and Political Weekly, LIX(31). https://www.epw.in/journal/2024/31/commentary/cyber-police-stations-and-cybercrime-against-women.html
248. Bano, S. (2024). Association of contraceptive use with pregnancy loss among Indian women: A cross-sectional study. The Deccan Geographer, 62(7), 165–178.
249. Bano, S. (2024). Assessing the relationship of the inequality in house ownership of headed households and literacy of rural India: A case study of Purulia District, West Bengal. Uttar Pradesh Geographical Journal, 29, 2–24.
250. Bano, S. (2024). Spatio-temporal analysis of cyber crime against women in India. Annals of the National Association of Geographers, India, 44(2), 1–15. https://doi.org/10.32381/ATNAGI.2024.44.02.9
251. Riti, Bano, S., & Sakshi. (2025). Determinants of decision-making among ever-married women in Indian households: A cross-sectional study based on binary logistic regression and multinomial logistic regression. PLOS ONE. (Accepted).
252. Rani, A., Prakash, S., & Kumar, S. (2024). A geographical analysis of tribal education in Jharkhand. The Deccan Geographer, 62(1–2), 157–168.
253. Inakhiya, G. K., Kumar, S., & Kundan, S. (2025). Saansad Adarsh Gram Yojana (SAGY) and rural development: Enhancing India's rural landscape. IASSI Quarterly: Contributions to Indian Social Science, 44(2), 416–444.
254. Jaiswal, R. (2025). Poverty: Analysis in context of HCES survey report. Aryavart, 19(1), Issue 35.
255. Sahoo, D., & Kumar, D. (2025). Role of political and civil society in Kalinga Nagar resistance movement in Odisha, India. The Oriental Anthropologist, 25(1), 160–181. https://doi.org/10.1177/0972558X241312969
256. Gupta, S., & Kumar, D. (2025). प्रवासनकानारीकरण: पूंजी, ऋण, प्रवासप्रतिरूपएवंअधीनस्था [Feminization of migration: Capital, credit, migration patterns and subordination]. भारतीयसमाजशास्त्रसमीक्षा (Indian Sociological Review), 12(1), 76–92. https://doi.org/10.1177/23491396251340124
257. Pathak, K., & Kumar, D. (2024, September 12). How urban migration strips workers of their social and cultural identities. Down To Earth. https://www.downtoearth.org.in/governance/how-urban-migration-strips-workers-of-their-social-and-cultural-identities
258. Pathak, K., & Kumar, D. (2024, October 21). तिहारकाछठपर्वस्मृतिऔरप्रतिरोधकात्योहारहै [Bihar's Chhath festival is a festival of memory and resistance]. Down To Earth (Hindi). https://hindi.downtoearth.org.in/environment/bihars-chhath-festival-is-a-festival-of-memory-and-resistance
259. Pathak, K., & Kumar, D. (2025, March 26). The pig's dual status in Hinduism—as both divine and polluted—reveals the contingent nature of sacredness. Down To Earth. https://www.downtoearth.org.in/governance/the-pigs-dual-status-in-hinduismas-both-divine-and-pollutedreveals-the-contingent-nature-of-sacredness
260. Raghuvanshi, V. (2024). Navigating engendered human security in a conflict zone: Insights from Kashmir through cinema in the 21st century. Juni Khyat, II, 21–35.
261. Mishra, V., Agrawal, S., Malik, D., Mishra, D., Bhavya, B., Pathak, E., & Mishra, R.* (2025). Targeting matrix metalloproteinase-1, matrix metalloproteinase-7, and serine protease inhibitor E1: Implications in preserving lung vascular endothelial integrity and immune modulation in COVID-19. International Journal of Biological Macromolecules, 141602.
262. Pandey, S., Tiwari, S., Basu, S., Mishra, R. K., & Pandey, R.* (2024). Dynamics of a network mediated by IL-36 and involved in the pathogenesis of psoriasis. Frontiers in Network Physiology.
263. Rathi, N., Tiwari, P., Kanwar, M., Patel, A., Singh, M., Gupta, K., & Worsley, A. (2025). What influences Indian primary school children's food behaviors? – Perceptions of children, mothers and teachers. BMC Public Health, 25, 1585. https://doi.org/10.1186/s12889-025-22660-0

Books and Book Chapters

1. Srivastava, A., & Singh, M. (2025). Limitations and challenges in the practical implementation of MIPs. In Molecularly imprinted polymers as artificial antibodies for the environmental health (Chapter 14, pp. 389–412). https://doi.org/10.1007/978-3-031-58995-9
2. Jangra, V., Kumar, N., Kaur, H., Prasad, L. B., & Sonkar, P. K. (2024). Mesoporous carbon for green energy applications. In U. Kumar, P. K. Sonkar, & S. L. Tripathi (Eds.), Carbon-based nanomaterials for green applications (pp. 199–224). John Wiley & Sons.
3. Patel, S. K. S., & Kurian, S. (2024). Halide perovskite for photovoltaic applications. In P. K. Sonkar & V. Ganesan (Eds.), Advancements in nanomaterials for energy conversion and storage (pp. 70–89). CRC Press.
4. Saini, R., Shukla, P. K., Vishwakarma, J., Mishra, A. K., & Tiwari, K. N. (2024). Photosynthetic organisms: Their existence in evolutionary prospective. In A. K. Mishra (Ed.), Stress biology in photosynthetic organisms: Molecular insights and cellular responses (pp. 1–25). Springer. https://doi.org/10.1007/978-981-97-1882-5
5. Das, R., Kumar, P., Agrawal, S., Singh, K., Singh, N., Singh, S., Vishwakarma, J., Rajput, V. D., Singh, A. K., Minkina, T. M., Bhattacharya, I., Mishra, S. K., & Tiwari, K. N. (2024). Nanoparticles for crop improvement and management. In V. D. Rajput, A. Singh, K. Ghazaryan, T. M. Minkina, & A. R. M. Al-Tawaha (Eds.), Sustainable agriculture: Nanotechnology and biotechnology for crop production and protection (pp. 69–84). Walter de Gruyter. https://doi.org/10.1515/9783111234694-005
6. Kumar, P., Singh, K., Singh, A. K., Singh, N., Singh, S., Rajput, V. D., Minkina, T., Mishra, S. K., & Tiwari, K. N. (2024). Appraisal on accumulation of nanoenabled agrochemicals in plants with subsequent morphophysiological implications. In A. Kumari, V. D. Rajput, S. S. Mandzhieva, T. Minkina, & E. van Hullebusch (Eds.), Emerging contaminants: Sustainable agriculture and the environment (pp. 149–157). Elsevier. https://doi.org/10.1016/B978-0-443-18985-2.00007-9
7. Das, R., Kumar, P., Agrawal, S., Singh, K., Singh, N., Singh, S., Singh, A. K., Rajput, V. D., Shukla, P. K., Minkina, T., Bhattacharya, I., Mishra, S. K., & Tiwari, K. N. (2024). Genome-editing technologies in crop improvement. In J.-T. Chen & S. Ahmar (Eds.), Plant genome editing technologies: Speed breeding, crop improvement and sustainable agriculture (pp. 89–112). Springer. https://doi.org/10.1007/978-981-99-9338-3_1
8. Agrawal, S., Kumar, P., Das, R., Singh, K., Singh, N., Singh, S., Singh, A. K., Shukla, P. K., Rajput, V. D., Minkina, T., Bhattacharya, I., Mishra, S. K., & Tiwari, K. N. (2024). Plant genome editing technologies: An updated overview. In J.-T. Chen & S. Ahmar (Eds.), Plant genome editing technologies: Speed breeding, crop improvement and sustainable agriculture (pp. 1–23). Springer. https://doi.org/10.1007/978-981-99-9338-3_1
9. Agrawal, S., Kumar, P., Das, R., Solanki, S., Rajput, V. D., Singh, A. K., Minkina, T. M., Bhattacharya, I., Mishra, S. K., & Tiwari, K. N. (2024). Nanoparticles-based abiotic stress management in the climate era for sustainable crop production. In V. D. Rajput, T. Minkina, A. Singh, K. Ghazaryan, & A. R. M. Al-Tawaha (Eds.), Sustainable agriculture: Nanotechnology and biotechnology for crop production and protection (pp. 203–218). Walter de Gruyter. https://doi.org/10.1515/9783111234694-011
10. Das, R., Kumar, P., Agrawal, S., Singh, A. K., Shukla, P. K., Verma, P., Rajput, V. D., Bhattacharya, I., Mishra, S. K., & Tiwari, K. N. (2025). Nano-biochar and nanoparticles for soil health improvement. In V. D. Rajput & T. M. Minkina (Eds.), Nano-biochar and nanoparticles for soil health improvement. CRC Press.
11. Agrawal, S., Kumar, P., Das, R., Singh, A. K., Shukla, P. K., Verma, P., Rajput, V. D., Bhattacharya, I., Mishra, S. K., & Tiwari, K. N. (2025). Nano-biochar and nanoparticles for soil health improvement. In V. D. Rajput & T. M. Minkina (Eds.), Nano-biochar and nanoparticles for soil health improvement. CRC Press.
12. Jadhav, L., Das, R., Agrawal, S., Bhattacharya, I., Kumar, P., Singh, A. K., Rajput, V. D., Minkina, T., Tiwari, K. N., & Mishra, S. K. (2025). CRISPR plants against fungal diseases. In J.-T. Chen (Ed.), Plant stress tolerance: Molecular mechanisms and breeding strategies (Vol. 2). CRC Press. https://doi.org/10.1201/9781003543237
13. Kumar, P., Singh, K., Singh, A. K., Singh, N., Singh, S., Agrawal, S., Das, R., Rajput, V. D., Minkina, T., Mishra, S. K., & Tiwari, K. N. (2025). Nano and nano-biochar: Overview, production and characteristics. In V. D. Rajput & T. M. Minkina (Eds.), Nanomaterials and nano-biochar in reducing soil stress: An integrated approach for sustainable agriculture (pp. 1–15). Apple Academic Press.
14. Gupta, A., Pandey, B. C., Gautam, R. K., Tiwari, I., & Kumari, N. (2025). Antibacterial activity of green-synthesized silver nanoparticles. In Antimicrobial materials and coatings (pp. 545–568). Elsevier.
15. Kumari, N., Jaiswal, P., Yadav, A., Gupta, A., & Pandey, B. C. (2024). Antimicrobial efficacy of in vitro cultures and their applications. In In vitro propagation and secondary metabolite production from medicinal plants: Current trends (Part 1, pp. 201–212). Bentham Science Publishers.
16. Srivastava, R., Singh, N., Kanda, T., Yadav, S., Yadav, S., & Atri, N. (2024). Antimicrobial activity of plant and cyanobacterial secondary metabolites for therapeutic advancements in modern medicine. In Emerging paradigms for antibiotic-resistant infections: Beyond the pill (pp. 607–620). Springer Nature.
17. Devi, S., Dey, R., Dube, S. P., & Raghuwanshi, R. (2024). Effector mediated defense mechanisms in plants against phytopathogens. In S. Singh & R. Mehrotra (Eds.), Plant elicitor peptides: New tool for sustainable agriculture (pp. 131–148). Springer Nature. https://doi.org/10.1007/978-981-97-6374-0_6
18. Naseem, M., Raghuwanshi, R., Verma, P. C., & Srivastava, P. K. (2024). Arsenic in groundwater: A threat to agriculture and its mitigation measures to protect the food chain. In B. S. Gupta & N. Martínez-Villegas (Eds.), Arsenic remediation of food and water: Technological interventions and perspectives from developing countries (pp. 335–374). Springer. https://doi.org/10.1007/978-981-97-4764-1
19. Saxena, A., Dey, R., Dube, S. P., & Raghuwanshi, R. (2025). Advances in Trichoderma biology for biocontrol applications. In M. Manoharachary, H. B. Singh, S. Singh, & Y. P. Sharma (Eds.), Biodiversity, bioengineering, and biotechnology of fungi. Elsevier.
20. Dube, S. P., & Raghuwanshi, R. (2025). Microbial biostimulants and salicylic acid mediated defense in Brassica sp. exposed to biotic stress. In M. Sehgal (Ed.), Current trends in agriculture and allied sciences. SP Publishing.
21. Kumar, H., Lata, R., Khan, U., & Gond, S. K. (2024). Biotechnological approaches for crop movement and production. In V. D. Rajput, A. Singh, K. Ghazaryan, T. M. Minkina, & A. R. M. Al-Tawaha (Eds.), *Sustainable agriculture: Nanotechnology and biotechnology for crop production and protection* (p. 335). Walter de Gruyter.
22. Singh, A., & Choudhary, K. K. (2024). Sodium-induced calcium signaling in plants under salinity stress. In T. Aftab (Ed.), *Metals and metalloids in plant signaling* (*Signaling and communication in plants*) (pp. [pages pending]). Springer. https://doi.org/10.1007/978-3-031-59024-5_10
23. Pandey, S., Amin, N., & Kannaujiya, V. K. (2024). Microalgal biofuels: Recent developments, challenges and future applications. In *Advancements in nanomaterials for energy conversion and storage* (pp. 32–54). [Publisher pending].
24. Yadav, A., Sharma, S., & Singh, S. (2025). Role of cinnamon in functional food development and its potential benefits for human health. In *Medicinal plants as functional food candidates: Challenges and opportunities* (pp. 124–146). Cambridge Scholars Publishing.
25. Sharma, S., Yadav, A., & Singh, S. (2025). Role of important medicinal plant, *Withania somnifera*, in functional food development. In *Medicinal plants as functional food*

candidates: Challenges and opportunities (pp. 147–167). Cambridge Scholars Publishing.

26. Sharma, S., & Singh, S. (2024). Inceptin: Exploring its role as a peptide elicitor in plant defense mechanisms. In S. Singh & R. Mehrotra (Eds.), *Plant elicitor peptides: New tool for sustainable agriculture* (pp. 99–111). Springer Nature.
27. Yadav, A., & Singh, S. (2024). Exogenous elicitors as inducers of environmental stress tolerance in wheat (*Triticum aestivum*). In S. Singh & R. Mehrotra (Eds.), *Plant elicitor peptides: New tool for sustainable agriculture* (pp. 247–268). Springer Nature.
28. Garg, R., Ankita, & Koram, N. (2024). An overview of AI tools for health communication and social media: Issues and challenges. In *Artificial intelligence and media* (pp. 318–326). [Publisher not specified]. ISBN: 978-81-961861-6-6
29. Hussain, M. A. (2024). Dr. Shakeel Azmi ki Fanni Azmat. In I. N. Azmi (Ed.), *Dr. Shakeel Ahmad Azmi: Shakhsiyat aur Fan* (pp. 293–305). Barkat Academy. ISBN 978-93-94926-68-4.
30. Hussain, M. A. (2025). Khanqah Rashidya: Ek Taarufi Mutalaa. In A. A. Jaisi (Ed.), *Awadh ki Khanqahain aur un ki Ilmi wo Samaji Khidmaat* (pp. 112–138). Shaikh e Tareeqat Foundation. ISBN 978-93-48257-98-7.
31. Tripti, & Afroz, N. (2024). Artificial intelligence in Indian educational system. In Mind and Machines: The Psychology of Artificial Intelligence (pp. [pages pending]). Jyotikiran Publication. ISBN 978-93-94819-60-3.
32. Gupta, V. (2025). Psychology in Indian knowledge system. In Bharatiy Gyan Ke Vividh Aayam (pp. [pages pending]). [Publisher pending].
33. Nigam, H., Kumari, S., & Joshi, S. (2024). The role of spirituality in assuaging death anxiety among older adults: A comprehensive overview. Motilal Banarsi Das Publications. (In press)
34. Nigam, H., Kumari, S., & Joshi, S. (2025). Spirituality and grit among adults: An overview. In Spiritual Psychology: Conventional and Modern Approaches to Well-being. Bentham Science Books. (In press)
35. Ghosh, I., Basu, S., & Ng, H. K. T. (2025). A bivariate distribution with generalized exponential conditionals: Properties and applications. In S. Kumar, B. C. Arnold, K. Shimizu, & A. K. Laha (Eds.), Directional and multivariate statistics (pp. [pages pending]). Springer. https://doi.org/10.1007/978-981-96-2004-3_19
36. Singh, P., Islam, R., & Singh, R. (2024). Cell signaling pathways in allergic asthma. In S. S. Athari & E. M. Nasab (Eds.), Allergic asthma pathogenesis: Immunopathology of asthma (pp. [insert pages if known]). Academic Press. ISBN: 9780443155024 (Paperback), 9780443155031 (eBook).
37. Jaiswal, A., Kumari, A., & Singh, R. (2024). Role of NLRP3 inflammasome in airway inflammation and fibrosis. In The NLRP3 Inflammasome: An Attentive Arbiter of Inflammatory Response. Bentham Science. https://doi.org/10.2174/9789815223941124010003
38. Suman, Pratibha Gaurav, and Gautam Geeta J. (2024). Historical Overview of Aquaculture and fisheries and its evolution. In the book: Advanced Farming in Fisheries and Aquaculture for the Blue Revolution. ISBN No.: 9789358878691; NIPA GENX ELECTRONIC RESOURCES & SOLUTIONS PVT LTD., New Delhi publisher of academic books
39. Suman, Chaube, R., & Gautam Geeta J. (2024). Modulation of Testicular Functions by 4- Nonylphenol in Catfish Heteropneustes fossilis and Clarias batrachus. Innovations in Biological Science Vol. 1, 109–128. https://doi.org/10.9734/bpi/ibs/v1/8067E
40. Mishra and Gautam Geeta Jiwatram (2025). Advancements in Molecular Cytogenetics for Sustainable Fisheries and Aquaculture. Aquaculture genetics:Applications and implications. Nipa genx electronic resources & solutions pvt ltd., New Delhi publisher of academic books.ISBN No.: 978-93-5887-445-7
41. Singhal, S., Gaur, S., Tiwari, V. K., Singh, R. K., Bajpai, S.*, & Brahmachari, G. (2024). Phytochemicals: Targeting therapeutics in managing prostate cancer. In Discovery and Development of Anti-Prostate Cancerous Agents from Natural Products (pp. 291–301). Elsevier.
42. Shrivastava, C. (2025). Childhood and adolescence in a digital world. In N. Ranganathan (Ed.), Contemporary Perspectives on Childhood and Adolescence (pp. 102–121). Routledge India. ISBN: 978-1-03-282660-8
43. श्रीवास्तव, च. (2025). राष्ट्रीयशिक्षानीति-2020 काक्रियान्वयन: शिक्षकोंकीभागीदारीऔरप्रशिक्षणकीभूमिका. In नीलिमागुप्ता&अजीतजायसवाल (Eds.), शिक्षामेंसमताएवंसमावेशन: नीतिसेपरिवर्तनकीओर (pp. 172–182). किताबवाले. ISBN: 978-93-49531-24-6
44. Ojha, S. (2024). British kaal me shiksha ka prachyavad evam pashchatyavad vivad. Swaraj Publication.
45. Ojha, S. (2024). Gokhaley's resolution on primary education. Swaraj Publication.
46. Let, S., Tiwari, S., & Singh, A. (2025). Contextualising anaemia among reproductive women in West Bengal: Trends, patterns, and predictors. In Sexual and Reproductive Health of Women: Dimensions and Perspectives (pp. 41–57). Springer Nature Singapore.
47. Shukla, & Tiwari. (2024). Interdisciplinary approaches to food security, climate change and sustainability. In S. B. Singh (Ed.), Interdisciplinarity on Food Security, Climate Change and Environment. R.K. Books.
48. Saha. (2024). Caste, class and inequality. In Social Geography (pp. 87–98). IGNOU, New Delhi.
49. Saha. (2024). Role of informal sector in urban economy structure. IGNOU, New Delhi.
50. Saha. (2024). Social well-being. IGNOU, New Delhi.
51. Saha. (2024). City economics. IGNOU, New Delhi.
52. Saha. (2024). Urban system and theories. IGNOU, New Delhi.
53. Saha. (2024). The basic–non-basic concept of urban economic function. IGNOU, New Delhi.
54. Singh, A., Sahay, S. S., & Sharma, P. (2025). Overview of textile waste. In Nanotechnology-assisted recycling of textile waste: Sustainable tools for textiles (1st ed., pp. 1–27). Scrivener Publishing LLC, Wiley. https://doi.org/10.1002/9781394175017.ch1
55. Sahay, S. S., Sharma, P., & Singh, A. (2025). Contribution of nanotechnology in shaping sustainable textile design and future fashion trends. In Nanotechnology-assisted recycling of textile waste: Sustainable tools for textiles (1st ed., pp. 207–234). Scrivener Publishing LLC, Wiley. https://doi.org/10.1002/9781394175017.ch7
56. Keerthana, S. S., Dave, V., & Sharma, P. (2025). Prevailing eco-parameters and protocols for nanotechnology in the textile industry. In Nanotechnology-assisted recycling of textile waste: Sustainable tools for textiles (1st ed., pp. 461–495). Scrivener Publishing LLC, Wiley. https://doi.org/10.1002/9781394175017.ch16
57. Kumari, S. (2024). Gandhi: Ideology, philosophy and Indian politics: The tenets of freedom in Gandhi's thought. (Ed.), (pp. 253-265). Pustak Bharati. ISBN 978-1-998027-16-3.
58. Kumari, S. (2024). Rastra nirman me mahilaon ki bhumika: Women, colonialism and nation. In (pp. 53-67). Pustak Bharati. ISBN 978-1-998027-11-8.
59. Kumari, S. (2025). Dimensions of tribal studies: Ambedkar and the scheduled tribe: Outside the fold. In (pp. 27-36). Kala Prakashan. ISBN 978-93-87200-52-4.
60. Singh, S., & Mehrotra, R. (Eds.). (2024). Plant elicitor peptides: New tool for sustainable agriculture. Springer Nature. https://link.springer.com/book/10.1007/978-981-97-6374-0
61. Kumar, U., Sonkar, P. K., & Tripathi, S. L. (Eds.). (2025). Carbon-based nanomaterials for green applications. John Wiley & Sons.
62. Sonkar, P. K., & Ganesan, V. (Eds.). (2024). Advancements in nanomaterials for energy conversion and storage. CRC Press.
63. Singh, S., & Upadhyay, G. (Eds.). (2025). Medicinal plants as functional food candidates: Challenges and opportunities. Cambridge Scholars Publishing.
64. Sharma, P., & Sahay, S. S. (2025). *Nanotechnology-assisted recycling of textile waste: Sustainable tools for textiles* (1st ed.). Scrivener Publishing LLC, Wiley. https://doi.org/10.1002/9781394175017
65. चौबे, ध. न. (2025). भक्ति-काव्यधार: अवलोकनार्थ. विश्वविद्यालयप्रकाशन, वाराणसी. ISBN: 978-93-87643-74-1.
66. Kumari, S. (2024). History of Dalits and politicisation of the issue. Pralek Publishing House. ISBN 978-93-5869-761-2

Faculty of Arts

Department of English

1. Pandey, K. M. (2025). "The Riddle of Love and Mystery in Shashi Despande'sShips That Pass" in Transcending Time, Defying Space: Trends in Contemporary English Literature, Achala Sharma et al (editors),Yking Books.
2. Singh, Anita (2025). "Foreword " to Speaking (of) Widows: The Unseen and The Unheard, Namita Sethi, Vasiraju Rajyalakshmi, Tarun Sharma (editors),Vitasta Publishing: New Delhi,ISBN: 9788119670529.
3. Singh, Anita, & Pandey, Rachana (2024). "Julia Kristeva". obo in Philosophy.*Oxford Bibliographies*,https://doi: 10.1093/obo/9780195396577-0440.
4. Singh, Anita (2024). An Epistolary Fable in the Digital Age, Black Calf @ White Snow: An Email Novel by Hans Sande translated from the original Norwegian by Marietta TaralrudMaddrell. The Book Review, XLVIII, 44-46.
5. Songs of the Saint." Frontline, vol. 41, no. 8, 2024, pp. 105-108.
6. "Hindi, Hindustani aur Bhasha ka Loktantra", Sablog, vol. 15, no. 3, 2024, pp. 7-11.
7. 'Context sensitive Poetics of A K Ramanujan; Memory as trope of Reflectivity and Sublimity in select poems of Second Sight.'' volume. 60, Indian Journal of English Studies December 2024, 89-103.
8. "Remembering Girmityas: tracing the past of indentured migrants in their homeland" South Asian Diaspora, July 2024 pp.1-17. https://doi.org/10.1080/19438192.2024.2372211
9. "Wilsonian Futuristic Vision in Radio Golf ",The Indian Journal of English Studies, Vol LX 2024,pp 52-62.
10. The Significance of Tone in Narratology and its Implications for Fiction Pedagogy IIS University, Jaipur, (Rajasthan)(JOA) Journal of Arts, Vol. 14, Issue- 1, Jan 2025(pp-313-325), UGC-CARE Listed
11. A Clarion Call to Climate Crisis: Navigating Amitav Ghosh's Gun Island. Sanshodhak Pune, (Maharashtra) Purvani Issue-2, 2024 (PP- 126- 131) UGC-CARE Listed
12. Mapping the Contours of Language Used on Social Media. Journal of English Language Teaching (JELT) ELT@I Vol. 66, No. 3 May-June 2024 (PP- 21-28) UGC-CARE Listed
13. Feminist (Re)visioning of the Eponymous Virgin in Kavita Kane's Ahalya's Awakening. Journal of Literature & Aesthetics, The University of Sydney July 2024 Vol. 34 No. 1 2024 (PP- 23-32)Web of Science Indexed ESCI Journal
14. Sati, Someshwar, Das, Shilpa& Mahanta, Banibrata (eds.)Narrative Universes of Disability: Global Perspectives. Singapore: Springer, 2025. https://doi.org/10.1007/978-981-96-3384-5
15. Khemani, Kusum. Lavanyadevi. 2013. Trans. Banibrata Mahanta. Hyderabad: Orient Blackswan, 2024.
16. Sati, Someshwar, Das, Shilpa & Mahanta, Banibrata. "Mapping the Narrative Landscape of Disability: Ethnography, Identity, and Inclusion". Narrative Universes of Disability: Global Perspectives ed. Someshwar Sati, Shilpa Das, and Banibrata Mahanta. Singapore: Springer, 2025. https://doi.org/10.1007/978-981-96-3384-5_1
17. Mahanta, Banibrata. "Translating Disability Depictions in Indian Literature: A Disability Studies Approach". Transcending Time, Defying Space: Trends in Contemporary English Literature ed. Achala Sharma, Anjana Pandey, and B. K. Anjana. Jaipur, Yking Books, 2025. pp. 54-71.
18. Mahanta, Banibrata. "Between Silence and Speech: Interpreting Disability in Tagore's "Subha"". Literary and Cultural Disability Studies: A Primer ed. Someshwar Sati. New Delhi: Worldview, 2025. 325-340.
19. Tagore, Rabindranath. "Subha". Trans. Banibrata Mahanta. Literary and Cultural Disability Studies: A Primer ed. Someshwar Sati. New Delhi: Worldview, 2025. 181-189.
20. Mahanta, Banibrata. "Introduction: Nation and Narration". A Handbook of Indie and Alternative Indian Cinemas. Eds. Jayjit Sarkar and Anik Sarkar. London: Taylor and Francis, 2025. 109-112. https://doi.org/10.4324/9781003612902
21. Mahanta, Banibrata. "Foreword". River Fiction of India: Intersectional Flows of Narratives, Geographies and Histories ed. Subhadeep Ray. Routledge South Asian Literatures in Focus Series. London and New York: Routledge, 2025. xvii-xx. https://doi.org/10.4324/9781003598183
22. Paper: "Haryanavi Folk Songs: A Folkloristic Analysis". Dialog No. 44 (Autumn 2024.
23. Nirmal A. "Body Politics and the Unjust Law: Interrogating Patriarchy in Acharya Chatursen'sVaishali ki Nagarvadhu (The City Bride of Vaishali)" Littcrit, Vol. 51, no,1. December, 2024
24. Nirmal A. "Recognition of Self through Mandala: Concentricity in Patrick White's The Solid Mandala", IIS University Journal of Arts, ISSN 2319-5339, Oct. 2024
25. Dwivedi, P. S.& Singh, Atul Kumar (2025). "A Comparative Reading of Paninian Grammatical Tradition and Modern Science of Speech", Research Result. Theoretical and Applied Linguistics, 11(2), 3-21. DOI: 10.18413/2313- 8912-2025-11-2-0-1

26. Dwivedi, P. S. (2025). "Understanding the Śabda-Vākya Dichotomy: An Inquiry into the Bhartṛhari's Concept of Akhaṅḍapakṣa", IUP Journal of English Studies, 19(4), 250-65.
27. Nayaka, S., Reddy V. V. K., and Dwivedi, P. S. (2025). "From Local to Global: Village, YouTubers and Rural Creator Cultures in South India", International Journal of Cultural Studies, 28(1), 185-203. https://doi.org/10.1177/13678779241292639
28. Chaturvedi, Rahul. "Politics of Patents and Biopiracy: Reading Inez Baranay's *Neem Dreams*." *Antipodes: A Global Journal of Australian/New Zealand Literature*, vol. 36, no. 2, 2024.
29. Chaturvedi, Rahul. "Complexities of Societal Norms and the Human Experience." *The Book Review India*, Dec. 2024, vol. 48, no. 2.
30. Kumar, U. (2025). "Translating Violence in India: Literary Representations and the Cartography of Gender-based Violence." Cadernos de Tradução, Special Issue Vol. 45(1): Translation in India: Theories, Policies and Practices, pp. 1–18.
31. Kumar, U. (2025). "A Shared Habitation: Literary Modernity in Bangla and Urdu."Economic and Political Weekly. (In Press)
32. Kumar, U. (2025). "Contemporary Children's Literature in India: Shifting Paradigms" (Co-authored).In Routledge Companion to Gender and Childhood, ed. Mary Zaborskis. Routledge (Taylor & Francis). (Forthcoming)
33. Kumar, U. (2024). "Travails of a Novel in a Naxal Country." The Book Review, Vol. XLVIII, No. 12 (December 2024).
34. Kumar, U. (2024). "A Kingdom for Women." The Book Review, Vol. XLVIII, No. 9 (September 2024).
35. Kumar, U. (2024). "How Nirala Became Nirala."The Book Review, Vol. XLVIII, No. 8 (August 2024).
36. Kumar, U. (2024). "Cartographies of Silence: Mapping Silence in Agyeya's Shekhar Ek Jeevani"(Co-authored).Hakara (web journal), December 2024.
37. Kumar, U. (2024). "The Twice Translated Tale: A Translation Evaluation of Basanti" (Co-authored). Translation Today, Vol. 18, Issue 1 (2024): pp. 108–128.
38. Kumar, U. (2024). "Retelling the Sacred: Cultural Translation and Beyond" (Co-authored).New Voices in Translation Studies, Vol. 29, No. 1 (2024): pp. 143–148
39. Yadav, D. (2024). Reading history through animal imagery from pre–WWII British editorial cartoons: Gandhi's anticolonial struggle during India's civil disobedience movement (1930–1931). Journal of Graphic Novels and Comics, 15(6), 809–826. https://doi.org/10.1080/21504857.2024.2327460
40. Book: Singh, Vivek. The Future of Humanities: Perspectives from South Asian Cultural Studies. Lexington Press. 2024
41. Article: Panda, Arnub and Singh, Vivek."In Search of Lost Tradition, Ethnicity, Amnesia and Resistance in the Era of Globalization".The Future of Humanities: Perspectives from South Asian Cultural Studies. Edited by Vivek Singh, Lexington Press. 2024, pp. 19-32
42. From Oppression to Awakening : Women's Transformative Journeys in Therigatha to Equality, Asian Journal of Advance Studies, Vol X No. 2, April-June 2024, ISSN 2395-4965, International
43. Pathak, Ashish K. "Style as a Tool of Decolonization: An Analysis of Narrative Devices in Achebe's Fiction". Rabindra Bharati Patrika: Rabindra Bharati University. UGC CARE, Peer-Reviewed, Refereed Journal. Vol XXVII, NO 06, 2024. ISSN: 0937-0037. Pp.164-174. (Journal Article)
44. Kadavath, V. K. (2024). "Kumaran Asan and the Poetics of Freedom: On the Moral Transformation in the Vernacular." In E. V. Ramakrishnan (Ed.), A Cultural Poetics of Bhasha Literature: In Theory and Practice (pp. 255-275). Hyderabad: Orient Blackswan.

Department of French Studies

Research Papers and Articles

1. Thakkar, B. A., & Singh, G. Teaching and Learning French as a Foreign Language Through Mobile-Assisted Language Learning. Language and Language Teaching (UGC Care Listed), January 2024, Volume 13, No 1, Issue 25, ISSN-2277-307X, 90-98.

Books and Book Chapters

1. "Narrative Medicine and Holistic Healing: An Ethics of Cure" Narrative Medicine: Trauma and Ethics. Vernon Press, 2024.
2. "The Home in TsitsiDengarembga'sNervous Conditions: Moving Beyond Postcolonial Subjecthood". Nationalism and Indigenousness in Select Commonwealth Writings and Films: A Postcolonial Reading. Verlag, 2024

Department of German Studies

Research Papers and Articles

1. Guite, Chiinngaihkim. (July 2025) Rethinking Hoffmann's The Sandman through the lens ofAI: human being and robot, AI & Society, Springer Nature
2. Mishra, Abhay Kumar. (December 2024) Music in relation to Will and Self-Perception in Schopenhauer's Philosophy: Tracing representational and bodily Contexts, Swar Sindhu, ISSN 2320-7175 (O). UGC CARE Listed. pp. 97-102. Pratibha Spandan, Shimla.

Department of Indian Languages

Research Papers and Articles

1. Dr. Amit Thapa, Loksahityaka Adhyayan Paddhati, Sep 2024, ISBN 9789937-1-7055-0, Page no. 03-08.
2. Dr. Jagadeesan. T, Tamil MozhipeyarppilRussiachPunaikathaigal: Varalarum Nun Arasiyalum, Sep 2024, ISSN 2249-9164, page no. 106-114.
3. Dr. Jagadeesan. T, TamilIl 'Thaai' Novel MozhipeyarppugalumAtharkkupPinthaiya Tamil Novel Pokkugalum, Feb 2025, ISSN 2394-7535-117, page no. 61-65.

Department of Library and Information Sciences

Research Papers and Articles

1. Tiwari, P & Mukherjee, B (2025). Assessing Retractions in Indian Science. DESIDOC Journal of Library & Information Technology,DRDO. 45 (2)
2. Tiwari, P & Mukherjee, B (2025). How much data: measuring quantity, visibility and topics of Indian open governmental data using machine algorithm approaches. Electronic Government, an International Journal. Inderscience Publisher
3. Rak, D., Khosrowjerdi, M., Muthelo, L., & Mukherjee, B. (2025). Researchers' reflections on values, mechanisms, and dynamics of knowledge and information sharing in international academic projects. Information Research, 30(iConf), 1276–1289. https://doi.org/10.47989/ir30iconf46897
4. Mukherjee B, Majhi D, Tiwari P, Chaudhary S. Comparing Research Topics through Metatags Analysis: A Multi-module Machine Algorithm Approaches Using Real World Data on Digital Humanities. Journal of Scientometric Research [Internet]. 2024 Apr 15;13(1):58–70. Available from: http://dx.doi.org/10.5530/jscires.13.1.5
5. MAJHI, D. E. B. A. S. I. S. (2024). Analysing Library and Information Science Articles Using Topic Modeling Approaches. DESIDOC Journal of Library and Information Technology. https://doi.org/10.14429/DJLIT.44.2.19312
6. Kumar TK, G., & Niglio, O. (2025). Revitalizing indigenous cultural heritage:strengthening resilience, viability, and conservation practices. Library Hi TechNews, 42(4), 18-21. (Published in International Journal)
7. TK, G. K. (2024). Valorization of intangible cultural heritage through documentation: an Indian scenario. Library Hi Tech News, 41(8), 10-14. (Published in International Journal)
8. Kumar, T. K. G. & Ramesha, K. (2025). Metadata standardization in cultural heritage imaging: A semantic annotation approach. In K. Ramesha (Ed.), Reimagining LIS education: Integrating Indian knowledge systems with NEP 2020 (pp. 54–61). Taran

Books and Book Chapters

1. Singh, A. (2024).ABC of Plagiarism. In Innovative Digital Transformation in Teaching Learning & Knowledge Management, Associated Publishing. 978-81-973308-7-2
2. Singh, A. (2024).The Emergence of AI: Applications Within Indian Academic Libraries. In Revolutionizing libraries with AI, Machine Learning and data Science. Ess Ess Publication, 9789387698956

Department of Liguistics

Research Papers and Articles

1. Mishra, A.K. & Tiwary, D. (2024).भारतीय न्यायपालिका में हिन्दी भाषा: एक भाषावैज्ञानिक दृष्टिकोण, Gaveshna, Vol. 135, ISSN-0435-1460.
2. Ahmad, Iram Ali and Gatla, Praveen. (2024). Sarcasm Identification and Classification in Hindi Newspaper Headlines, ACM Transactions on Asian and Low-Resource Language Information Processing. 23/03/2025. https://doi.org/10.1145/3714469, Vol. 24:4,Article No. 34, Pp. 01-21.
3. Kumar, Naresh et. al. (2024). Context-Aware Adversarial Graph-Based Learning for Multilingual Grammatical Error Correction, ACM Transactions on Asian and Low-Resource Language Information Processing, Vol. 23:12, Issue No. 12. Article No.: 171, PP. 1 - 15, https://doi.org/10.1145/369610.
4. Supriya Chauhan and Praveen Gatla. (2025).A Comparative Study of IndigenousLanguages of Bihar: Bhojpuri, Hindi, Magahi and Maithili, Juni Khyat, Vol. 15:2, Pp. 170-179, ISSN-2278-4632.

Department of Marathi

Research Papers and Articles

1. नई शिक्षा नीति एवं भारतीय भाषाएं,IDEAL, An International Multidisciplinary Half Yearly Research Journal, Vol:XII,Issue-II,March-August-2023,UGC Listed Journal No.47026,Impact Factor /Indexing 2023-7.537,Ajanta Prakashan, Aurangabad.
2. काशीचा मराठी अभिमान : राणी लक्ष्मीबाई, 'झेप' स्मरणिका, महाराष्ट्र मंडळ, रायपूर (छत्तीसगढ), बृहन्महाराष्ट्र मंडळ राष्ट्रीय अधिवेशन,January, 2025
3. मराठी सिनेमा का सफर,अपनी माटी,अंक -58, त्रैमासिक, E-ISSN-2322-0724, UGC CARE Approved & Peer Reviewed/Refereed, Dec.2024
4. शिवछत्रपती आणि उत्तर भारत,पंचधारा,UGC CARE ApprovedJournal, मराठी साहित्य परिषद, तेलंगण राज्य, हैद्राबाद. RNI Reg.No. 32307/79,वर्ष ६७ वे, अंक चौथा, जानेवारी २०२५ ते मार्च २०२५ , हैद्राबाद.
5. कालखंडाचा अभ्यास (आरंभ ते १६००),जुलै २०२४, ISBN No. 978-81-977049-9-4,प्रकाशक,संचालक, दूरस्थ आणि ऑनलाईन शिक्षण केंद्र, मुंबई विद्यापीठ, विद्यानगरी, सांताक्रूझ (पूर्व), मुंबई-४०००९८
6. Bhuyekar Sandip (27 July 2024), 'गोव्यातील अनेक गावांची प्रातिनिधिक गोष्ट', Saptahik Saadhana ,Ank 48, https://weeklysadhana.in/view_article/sandeep-bhuyekar-on-book-by-vithhal-gawas
7. Bhuyekar Sandip (19 January 2025), 'विश्वनाथ विठ्ठल सखे', Dnyanbaa Tukaram ,Ank 4.
8. Bhuyekar Sandip (2025), 'भारतीयत्वाचे भान आणि मनसमझावन',Sarvdhara,Ank 1 Jan- March 2025.
9. Bhuyekar Sandip (14 December 2024), 'पर्यावरणीय समीक्षा आणि मराठी कादंबरी,Padmgandha Prakashan, Pune. ISBN- 978-81-946458-5-6
10. Bhuyekar Sandip (2025), 'Folk Literature of Marathi Language: An Overview', Folklores of India Texts and Contexts, Edited by Singh Saurabh, Autherpress, New Delhi, .ISBN- 978-93-5529-869-0
11. Bhuyekar Sandip (2024), 'श्री गुरुग्रंथसाहिब मधील संत नामदेवांचे तत्त्वज्ञान',Shree Guru Granth Sahib me Darj Sant Namdev Ji Ki Vani, Edited by Pathan Taher, Opus Publishers, Delhi,ISBN-978-93-94870-49-9
12. Bhuyekar Sandip (2025), 'साहित्य समीक्षा- सिद्धांत जडणघडण', Sahity Samiksha Siddhant, Edited by Musle Seema, University Of Mumbai, Mumbai, ISBN- 978-81-977049-7-0
13. Bhuyekar Sandip (2025), 'पर्यावरणीय समीक्षा- रिंगाण', Samiksha Siddhant ani Upyojan, Edited by More Nandkumar, Shivaji University, Kolhapur, ISBN- 978-93-49570-00-9

Department of Philosophy and Religion

Research Papers and Articles

1. Paper titled, Realism and Its Philosophical Challenges, published in Caraivéti, a UGC Care Listed Journal, Vol VIII, issue 1, ISSN: 2456-9690, July-December 2024.
2. Paper titled, "Relativism, Conceptual Relativity and Internal Realism" published in Amnayiki, a UGC-CARE Listed Journal, ISSN: 2277-4270, Vol. 26, Part-II (July-December, 2024).
3. Chapter titled "Understanding Reality from a Pragmatist Perspective" published in a Book titled Self on the Edge edited by ShipraDikshit, published by INADS Press, USA, 2024.
4. Tracking SemanticThrough Cognitive Orientation in Jaina's Philosophy of Language, International Journal of Research and Analytical Reviews (IJRAR) 11 (1), 220-228, 2024.
5. "A Semantic Appraisal of "Satyagraha = Satya + Agraha": M. K. Gandhi"s Perspective" in Practices of Peace: Contemporary Forms of Gandhian Spirituality (Eds. by Saji Varghese, Randhir

Kumar Gautam), Authors Press, ISBN: 978-93-5529-993-2, New Delhi, 2024.

6. "Exploring Linguaculturology through the Aurobindian Method of Language and Culture" in the book titled Culture, Traditions and Philosophy: Contemporary Narratives, (Ed. Saji Varghese), Authors Press, ISBN: 978-93-6095-651-6, New Delhi, 2024.
7. "Exploring Semantics through Philosophy of Language and Technology: W. V. O. Quine and M. Heidegger's Perspective" in the book titled Self on the Edge (Ed. Shipra Dixit), INADS Press, ISBN: 978-1-957310-09-1, USA, 2025.

Faculty of Education

Research Papers and Articles

1. Artificial Intelligence Practices for Ensuring Quality Teaching-Learning in Science: A Case-Study of Selected Secondary Schools of Varanasi City, Gyankosh Journal of Educational Research, ISSN 2347-3290, Vol.4 No. 1.
2. Kumari, R. and Singh, S.K. (2024). Mental health awareness amongst B.Ed. students of Banaras Hindu University, National Journal of Education,12:1 (January), Pp.239-251, ISSN 0972-9569 (P), 2584-2595(E)
3. Singh, S.K. and Rai,P.V.K (2025).Pre-Service Teacher Education in 21st Century India: A Systematic Review, University News A Weekly Journal of Higher Education , 63:07, February 17-23,New Delhi , Association of Indian Universities, Pp.18-26, ISSN 0566-2257
4. Singh, S. & Upadhyay, H. (2024). Happiness Curriculum: Need of the Generation to balance life with Virtual Education. A Quarterly Multidisciplinary Blind Peer Reviewed & Refereed Online International Journal. E-ISSN: 30487951.Educarepublication.com,1(1), 20-28.
5. Singh S., Gupta P.& Maurya D. (2024). Analysis of various policies of Inclusion in India: A Historical Review. International Journal of Emerging Knowledge studies. Vol 3(8) August 2024.2583-7354 DOI https://doi.org/10.70333/ijeks-03-08-005
6. Singh S. & Prajapati Y (2025). A Review Paper on the Impact of the MindUp programme on different aspects of Students' Mental Health. National Journal of Education Vol. XXIII No. (1) January 2025 p-ISSN 0972-9569, e-ISSN 2584-2595
7. Singh S. & Yaduvanshi S. (2025). Creating a cooperative Classroom through Implementation of STAD method for Biology Learning. School Science Volume 59 Issue 3. NCERT, New Delhi
8. Singh S. (2022). Printed in 2025. Implementing Guided discovery learning in the Science classroom. School Science Volume 60 No. 1 and NCERT, New Delhi
9. Mishra, Arati (2024). The psychomotor domain of Bloom's Taxonomy and its practical implications in music education. Anahad Lok, July-December. 2024 (20), ISSN NO. 2349-137X, 486-290. UGC CARE LISTED
10. Mishra Arati ( ), Sangeet Samakalan Shikshan se prathmik shiksha ke chhatro me bhasha koushal ka Vikas: hindi bhasha ke sandarbh mein, Swar Sindhu, Jan -June 2024, DOI 10.33913 ,issue 1, ISSN NO. 2320-7175(O), 148-152 UGC care listed.
11. Sonoval R. & Ranjan, A. (2925). Effectiveness of 5E model-based teaching on the Academic Performance of school-going students of Assam, International Journal of Multidisciplinary Research in Arts, Science and Technology (IJMRAST), 2(6), 23-30. DOI:https://doi.org/10.61778/ijmrast.v2i6.63 ISSN: 2584-0231

Books and Book Chapters

1. Singh S. and Upadhayay H. (2024). Happiness Curriculum: A Roadmap towards Holistic well-being and sustainable Happiness through Education. In S.Chauhan & A. Shokeen (Eds), Happiness and Sustainability: Implications for the Global Goals. Bookman publishrs (pp 188-195). ISBN978-93-5510-764-0
2. Singh S. & Upadhyay, H. (2024). Rural Empowerment Through the Digital India Program. In J. Singh (Ed.), Empowerment of Rural Citizens Through Digital India Program: Prospects and challenges. Bharti Publications (pp 1-15). ISBN978-81-19757-96-1
3. Mishra Arati (2025). Artificial Intelligence in the field of Performing Arts, Current Trends in Performing Arts: With Reference to Theory & Practice. E Proceedings of the ..., 6-8 February 2025, pp-pp. ISBN
4. Bineeta (2024). Effect of Yoga on managing Stress of Visually Impaired Adolescent Girl Students, in ..(Ed) Samawesi Shiksha, Publishers (pp. 122-125). ISBN No. 978-81-19788-24
5. Ranjan, A. (2025). Inclusive Education and NEP:2020. Vyom Hans Pub,Punjab. ISBN No. 978-81-981814-4-2

Faculty of Performing Arts

Department of Vocal Music

Research Papers and Articles

1. Dr. Acharya Abhinav Narayan, Dr. Pandit Sangeeta, Sangeet Ka Parivartansheel Swaroop evam Parivartan ke Karan, Stom, 2024, Issue 01, ISSN 2231-1041
2. Shyam, Nibedita, Pandit Sangeeta, Exploring the Multidimensional Landscape of North Indian Classical Music: An Analysis of its Relevant Research Areas and Methodology, Anhadlok, June 2024, Issue 10, ISSN 2349-137X, p. 246
3. Shyam, Nibedita, Pandit Sangeeta, Time Theory of Ragas in North Indian Classical Music: A Pilot Study with Reference to its Impact on Listeners, Sangeet Galaxy, Vol. 13, No. 2, July 2024, ISSN 2319-9695, pp. 111–125
4. Km. Alka, Pandit Sangeeta, Bhakti Andolan Mein Sangeet ka Samnvay, Anhadlok, June 2024, Issue 10, ISSN 2349-137X
5. Dr. Acharya Abhinav Narayan, Dr. Pandit Sangeeta, Sangeet Kala Mein Audatyaa, Wisdom Speaks
6. Shyam, Nibedita, Pandit Sangeeta, An Analytical Study of the Time Theory of North Indian Classical Music Ragas, Taantghar
7. First Author, Sangeet Aarogya ka Setu, Chapter in Book Shilpayan Sangeet Lekhsamooh, First Edition 2024, ISBN 978-81-956789-7-6, pp. 09–17
8. Kashichee Marathi Sangeet Parampara, Kashiteel Marathi Vaibhav, First Edition 2024, ISBN 978-89-68563-8-0, pp. 61–65
9. Pracheen Bharat me Sngeetik Natya Manch ki Avdharna, ISCTPA 2025 E-Proceedings, ISBN 978-94-9410-63-3, pp. 453–457
10. Bhojpuri Lokgeeton Mein Sangeetik Tatva, Stom (UGC Care List), 2024, Special Issue 1, ISSN 2231-1044, pp. 172–176
11. Smart Contracts, Smarter Royalties: Tech for India's Music Industry, IJMRP, Chandigarh Philosophers, Oct 2024, Issue 10, Vol. 2, ISSN 2584-0029, pp. 22–29
12. Judicial Approaches to Music Copyright Infringement in India, Library Progress, Jul–Dec 2024, Vol. 44(3), ISSN 0970-1052, pp. 9489–949
13. Songs of the Soil: Preserving India's Folk Music, Swarasindhu (UGC Care List), Dec 2024, Vol. 12, Issue 03, ISSN 2320-7175, pp. 77–83
14. Indian Ancestry of Violin, Sangeet Galaxy (UGC Care Listed), Jan 2025, Vol. 14, No. 1, ISSN 2319-9695, pp. 104–112
15. Digital Beats and Legal Streets: Imaging a Developed India through Youth Perspectives on Music, Kutap, Jan–June 2025, Issue 12, ISSN 2582-5356, pp. 187–193
16. Harmonizing Tradition with Technology: Digital Safeguarding the Musical Legacy of Goswami Tulsidas, Anhadlok (Care Listed), July–Dec 2024, ISSN 2349-137X, pp. 247–252
17. Dr. Shreya Pandey, Dr. Ramshankar, Lok Sangeet evam Varn Vyavastha me Antah Sambandh, Swar Sindhu, Vol. 12, Issue 03, Dec 2024, ISSN 2320-7175, pp. 633–635
18. Dr. Ramshankar, Dr. Ashok Kumar, Awadhi Lokgeet evam Manovigyan, Stom, 2024, Visheshank 1, ISSN 2231-1041, pp. 299–303
19. Dr. G.C. Pandey, Swatantra Bharat Mein Sangeet Ka Swaroop, Dristikon, Jan–Feb 2025, ISSN 0975-119X, pp. 101–102
20. Dr. G.C. Pandey, Akshat Pratap Singh, The Relationship between Nature and Music, Saidhantiki, Dec 2024, ISSN 0974-8504, pp. 112–115
21. Dr. G.C. Pandey, Akshat Pratap Singh, Artificial Intelligence in Indian Classical Music, E-Proceedings: Current Trends in Performing Arts, BHU, 06–08 Feb 2025, pp. 583–587
22. Dr. G.C. Pandey, Anand Kumar Mishra, Sangitik Vadhya Yantron ke Nirman Mein Vikas Kram: Avnadhya Vadhyon ke Vishesh Sandarbh Mein, E-Proceedings: Current Trends in Performing Arts, BHU, 06–08 Feb 2025, pp. 523–527
23. Dr. G.C. Pandey, Anand Kumar Mishra, Benaras Gharana ke Table Mein Uthaan ki Bhumika Vadan aur Visheshta, Kutup Journal, Jan–June 2024, ISSN 2582-5356
24. Dr. G.C. Pandey, Alankrita Roy, Hridaya Geet Kajari – Ek Adhyayan, Kutup Journal, Jul–Dec 2024, Vol. 7, Issue 11, ISSN 2582-5356
25. Dr. G.C. Pandey, Alankrita Roy, Sangeet dwara Mansik Rogiyon ke Chikitsa evam Nidaan, Kala Vasudha, Jan–Mar 2024, Issue 43, ISSN 2348-3660
26. Dr. G.C. Pandey, Alankrita Roy, Surmay Sangeet (Book), 2024, ISBN 978-81-1920-204-1
27. Dr. K.A. Chanchal, Second Author, Sngeet Shiksha ke Upagam, Stom, 2024, Special Issue 1, ISSN 2231-1041, pp. 296–298
28. Bhartiya Sangeet ka Samikshatmak Adhyayan, Interdisciplinary Journal of Contemporary Research, Jan 2025, Vol. 12, No. 1, ISSN 2393-8358, pp. 86–88
29. Manch Pradarshan me Navachar, E-Proceedings: Current Trends in Performing Arts, BHU, 06–08 Feb 2025, pp. 457–460
30. Dr. Madhumita Bhattacharya, Bhartiya Vrinda Vadan me Kutap ka Aitihasik Adhyayan, Stom, 2024, ISSN 2231-1041, pp. 172–174
31. Dr. Madhumita Bhattacharya, Tulsidas ke Geeti Kavya me Sangitik Tatva, Anhad Lok, 2024, ISSN 2349-137X, pp. 150–152
32. Dr. Madhumita Bhattacharya, Ramayan Kalin Sangeet: Ek Vihangam Drishti, Anhad Lok, 2024, ISSN 2349-137X, pp. 387–390
33. Dr. Madhumita Bhattacharya, Bhartiya Sangeet me Shikshan Paddhatiyan, Swar Sindhu, 2024, ISSN 2320-7175, pp. 520–523
34. Shamayita Panja, Dr. Madhumita Bhattacharya, Indian Music Education from the Past to Present, Anhad Lok, 2024, ISSN 2349-137X
35. Double, Reviving the Essence of Tappa Gayki: Malini Rajurkar, Swar Sindhu (UGC Care Listed), Dec 2024, ISSN 2320-7175, pp. 278–282
36. Double, Raagmala in Gurubani: Preserving Musical Heritage through Education, CTPA-2025, Feb 2025, ISBN 978-93-49410-36-3
37. Double, Jasrangi: Redefining Jugalbandi through Moorchna, Swar Sindhu (Care Listed), Dec 2024, ISSN 2320-7175, pp. 333–339
38. Meghna Singh, Dr. Pandit Sangeeta, Vigat Pachaas Varshon Me Gwalior Gharane ki Gayaki Me Spashta Hote Parivartan: Ek Vishleshnatmak Adhyayan, Anhad Lok, 2024, ISSN 2349-137X, pp. 19–22

Department of Instrumental Music

Research Papers and Articles

1. Prof. Rajesh Shah, Tuning the Soul: Emotional Intelligence through the Lens of North Indian Classical Music, Swar Sindhu, Dec 2024, ISSN 2320-7175, pp. 358–363
2. Prof. Rajesh Shah, Bharatiya Sanskriti Mein Sangeet, Stom, 2024 (Special Edition), ISSN 2231-1041, pp. 376–380
3. Prof. Rajesh Shah, Practice of Classical Music in Bangladesh: The Impact of the 1947 Partition and Present Situation, Swar Sindhu, Dec 2024, ISSN 2320-7175, pp. 13–19
4. Prof. Rajesh Shah, Challenges of Indian Muslim Society in Indian Classical Music Practice, Naad Nartan, Jan 2025, ISSN 2349-4654, pp. 115–119
5. Prof. Rajesh Shah, Unsung Strings: The Journey of Obscure Sitar Gharana, Anhad Lok, Dec 2024, ISSN 2349-137X, pp. 39–44
6. Prof. B. N. Mishra, Prof. Sangeeta Singh (Sole Author), Shodharthiyon ki Navachar Mein Bhoomika, Kutap, June 2024, Vol. 7, Issue 10, ISSN 2582-5356, pp. 301–302
7. Prof. Sangeeta Singh (Corresponding Author), Viksit Bharat Mei Taantrvadhyo ka Parivertan Swaroop, Kutap, Jan 2025, Vol. 8, Issue 12, ISSN 2582-5356, pp. 305–308
8. Prof. Pravin Uddhav, Harmonizing Innovation: A Journey through the History of Computational Music, International Journal for Multidisciplinary Research (IJFMR), April 2024, DOI 10.36948/ijfmr.2024.v06i02.16866, ISSN 2582-2160, pp. 1–7
9. Prof. Pravin Uddhav, Capturing Echoes: The Evolution and Impact of Sound Recording Technology, Bhairavi Sangeet Shodh Patrika, Oct 2024, ISSN 0975-5217, pp. 203–212
10. Prof. Pravin Uddhav, Banaras Gharane ke Prasiddh Tabla Vadak Pt. Kumar Bose Ji ki Swatantra Tabla Vadan Shaili, Bhairavi Sangeet Shodh Patrika, 2024, ISSN 0975-5217, pp. 136–139
11. Dr. Prem Kishor Mishra, Bharatiya Sangeet me Shastra Chintan, Anhad Lok, July–Dec 2024, ISSN 2349-137X
12. Dr. Prem Kishor Mishra, Hindi Sahitya me Santo ki Vani evam Unka Jeevan Darshan, Anhad Lok, July–Dec 2024, ISSN 2349-137X
13. Dr. Nikhil Bhagat (Single Author), Innovation in Teaching and Learning Indian Music, Swar Sindhu, Dec 2024, ISSN 2320-7175, pp. 243–246
14. Dr. Supriya Shah (Sole Author), Evolution of Independent Repertoire of North Indian Classical Instrumental Music with Special Reference to the Masitkhani Baaj and Razakhani Baaj

in Sitar Playing, Vageeshwari, Nov 2024, Vol. 38, ISSN 0975-5787, pp. 13–21

15. Dr. Supriya Shah (Co-Author/Supervisor), Sangeet ke Digital Kranti mein Mobile Anuprayogon ka Yogdan, Current Trends in Performing Arts with Reference to Theory and Practice, Seminar Proceedings, ISBN 978-93-49063-3, pp. 294–298
16. Dr. Supriya Shah (Co-Author/Supervisor), Vibhinna Kaal Kram mein Manch ki Avdharana, Current Trends in Performing Arts with Reference to Theory and Practice, Seminar Proceedings, ISBN 978-93-49063-3, pp. 315–318
17. Dr. B. Satyavara Prasad, Mridangam Swatantra Vadan "Tanyavartanam", Sangitika, April 2024, ISSN 2348-5892, pp. 46–48
18. Dr. B. Satyavara Prasad, Durlabh Avanaddha Vadhya "Dukkara", Stom, April 2024, ISSN 2231-1041, pp. 380–381
19. Dr. Rakesh Kumar, Bhadra Priya K (Co-Authors), Digital Revolution in Music Industry, Research Paper, Dec 3, 2024, ISSN 2320-7175, pp. 273–277
20. Dr. Rakesh Kumar, Bhadra Priya K (Co-Authors), Study of Historical Development and Cultural Significance of Bansuri in North Indian Classical Music, Research Paper, Jan 1, 2025, ISSN 2349-4654, p. 94
21. Dr. Rakesh Kumar, Ashukanti Sinha (Co-Authors), Traditional Bishnupriya Manipuri Folksongs in North East India: History and Development, Research Paper, Jan 1, 2025, ISSN 2349-4654, p. 120
22. Dr. Chandan Vishwakarma (Joint Author), Vartaman Yug Mein Tabla ke Gharane evam Unka Mahatva, Strom, 2024, ISSN 2231-1041, pp. 148–151
23. Dr. Chandan Vishwakarma (Joint Author), Echoes Through Time: The Evolution of Western Rhythm from Medieval Chant to Modern Minimalism, Bhairavi, 2024, ISSN 0975-5217, pp. 284–291
24. Dr. Chandan Vishwakarma (Single Author), Shastriya Sangeet mein Prastutikaran ka Adhunik Swaroop, Dr. Hari Singh Gaur Vishwavidyalaya, Sagar (M.P.), 2024, ISBN 978-01-966424-4-0, pp. 47–50
25. Dr. Chandan Vishwakarma (Single Author), Sangeet mein Gharanon ka Mahatva (Bhartiya Gyan Pranali ke Vishesh Sandarbh mein), Part 1, The Maharaja Sayajirao University of Baroda, 2024, ISBN 978-81-95677-7-4, pp. 32–34

Department of Dance

Research Papers and Articles

1. Ragini Kalyan, Vidhi Nagar, Impact of Globalization on the Folk Culture of Assam and its Challenges, KUTUP, Volume 7, Issue 11, Year 2024, ISSN 2582-5356, 158–163
2. Amrit Mishra, Vidhi Nagar, The Music Tradition of Yakshagaan, Anahad Lok, Volume 28, Year 2024, ISBN 978-93-86556-83-7, 210–218
3. Aditi Thapaliyal, Vidhi Nagar, Ramman: Unveiling the Sacred Ritual Theater of Garhwal (Uttarakhand), KUTUP, Volume 7, Issue 11, Year 2024, ISSN 2582-5356, 255–261
4. Aditi Thapaliyal, Vidhi Nagar, श्रुति–स्मृतिपरंपरा: कला व संस्कृति की मौखिक धारा, Anahad Lok, Volume 28, Year 2024, ISBN 978-93-86556-83-7, 237–250
5. Amrit Mishra, Vidhi Nagar, The Role of Modern Technology in Preserving and Evolving Indian Classical Dance and Music Traditions, Naad Nartan, Volume 13, Issue 1, Year 2025, ISSN 2349-4654, 23–26
6. Ragini Kalyan, Vidhi Nagar, Melodic Pathways to Sustainability: Integrating Music in Achieving the Sustainable Development Goals, Naad Nartan, Volume 13, Issue 1, Year 2025, ISSN 2349-4654, 53–70
7. Dr. Vidhi Nagar, Unfolding Current Trends in Performing Arts: Its Constructive Influences and Challenges in the Contemporary Landscapes, E-Proceedings, 6–8 February, Year 2025
8. Dr. Dipanwita Singha Roy, Udita Biswas, The Ashtapadis of Gita Govinda in Context to Kathak Dance, Anhad Lok, July–Dec. 2024, ISSN 2349-137X, 87–94
9. Vidushi Jaiswal, Ranjana Upadhyay, संगीतरत्नाकर ग्रंथ के नर्तनाध्याय में वर्णित आंगिक अभिनय का प्रयोगात्मक विवेचन: कथक नृत्य के विशेष संदर्भ में, शारंगदेव सारणी, July–Dec. 2023, ISBN 978-93-340-9041-3, 79–85
10. Priyanka Tigga, Khileshwari Patel, Hkk"kk&lapkj esa gLr eqnzkvksa dh mi;ksfxrk, Anahad Lok, Volume 20, July–Dec. 2024, ISSN 2349-37X, 78

Faculty of Social Sciences

Department of Psychology

Research Papers and Articles

1. Kumar, S., Verma, S. & Lata, S. (2025) Proactive Coping, Optimism, and Resilience among Students with Visual Disabilities. International Journal Applied Positive Psychology 10, 39. https://doi.org/10.1007/s41042-025-00233-1
2. Mishra, S., Kumar, S., Anupriya., Siddiqui, A., Lata, S. (2025) Relationship of Psychological Capital with Quality of Life among Students with Disabilities. International Journal of Indian Psychology. Vol. 13. Doi. http://doi.org/10.25215/1302.276
3. Kumar, A., Verma, S., Kumar, S., & Lata, S. (2025). Intellectual functioning of HIV/AIDS orphans. Intellectual functioning of HIV/AIDS orphans, 20(1), 21–34. https://doi.org/10.32381/jpr.2025.20.01.3
4. Suneel Kumar, Swaran Lata, Saroj Verma.Psycho-social outcomes of disability-related stigma and social exclusion among people with physical disabilities: A systematic review (2024), Hellenic Journal of Psychology, Volume 21, Issue 3, Pages 281-301.
5. Swaran Lata, Chelli Kavya, Jaya Chakravarty, Amrita Soni, Heera Lal, A. K. Singhal, Sunil Kumar Misra, Aatika Siddiqui. Negative Psychological States, Quality of Life and Medical Adherence among People living with HIV/AIDS. Journal of the Indian Academy of Applied Psychology, September 2024, Special Issue. ISSN No. 0019-4247
6. Kumar, S., Swaran Lata., Verma, S. and Anupriya. Associated Factors of Suicidal Behavior Among Persons with Physical Disability: A Systematic Review (2024), Indian Journal of Psychological Medicine,https://doi.org/10.1177/02537176231209513.
7. Chaurasiya, A., Ranjan, J. K., Pandey, N., & Asthana, H. S. (2025). Hindi Adaptation and Psychometric Validation of Rivermead Post-Concussion Symptoms Questionnaire on Patients with Traumatic Brain Injury. Archives of Clinical Neuropsychology, acaf039.
8. Nandarathana, N., Ranjan, J. K., & Sinha, M. (2025). The Efficacy of Mindfulness-Based Cognitive Therapy in regulating cognition and emotion of patients with depression: A systematic review of Randomized Controlled Trials. Journal of Affective Disorders Reports, 100929.
9. Saishree, S., Ranjan, J. K., Pandey, N., & Asthana, H. S. (2025). Cognitive Rehabilitation to Remediate Attention and Memory in Patients with Complicated Mild Traumatic Brain Injury: A Case Series. Indian Journal of Neurotrauma.
10. Saishree, Ranjan, J. K., Asthana, H. S., & Pandey, N. (2025). Prevalence of Head Injury in India: A Systematic Review and Meta-analysis of Cross-sectional Community-based Surveys. Annals of Neurosciences, 09727531251340173.
11. Chaurasiya, A.,Ranjan, J., Pandey, N., & Asthana, H. S. (2024). Role of Neuropsychological Factors in Post Head Injury Symptoms of Complicated Mild-moderate Traumatic Brain Injury patients. Psychology: the Journal of the Hellenic Psychological Society, 29(2), 158-171.
12. Singh, P., Mishra, T., Tiwari, T., & Tiwari, P. (2025). Exploring the role of spatial frequency in facial emotion recognition: A systematic review. Journal of the Indian Academy of Applied Psychology, 51 (1), 606-617.
13. Yadav, A. K.,Dubey, S., Tiwari, T., Yadav, S.,Singh, I. L. & Singh, A. L. (September, 2024). Exogenous - Endogenous Orienting, Time Course of Facilitation and Inhibition during Vigilance Task Performance. Journal of the Indian Academy of Applied Psychology, 50 (Special Issue, September, 2024), 168-180.
14. Singh, H., Tiwari, T., Yadav, A. K.,& Singh, A. L. (September, 2024). Executive Functions abilities in Person with Type 2 Diabetes: A Systematic Review. Journal of the Indian Academy of Applied Psychology, 50 (Special Issue, September, 2024), 181-189.
15. Srivastava, R., Singh, A. L., &Tiwari, T. (Online first, August 8, 2024). Relationship between internet addiction, sleep quality and quality of life among female college students. INSPA Journal of Applied and School Psychology, 6 (1), 147-158.
16. Gangwar, A. K., Tiwari, T., Mishra, T., Yadav, A. K.,Sah, S. K., & Singh, A. L. (2024). Effect of Working Memory Load on Anxiety Related Attention Deficits in Executive Attention Tasks Performance: A review. Journal of the Indian Academy of Applied Psychology, 50 (2), 245-254.
17. Tiwari, T., Singh, H., Gangwar, A. K., Sharma, D., Yadav, A. K.,& Singh, A. L. (2024). Age-Related Changes in Executive Function Abilities: A Cross-sectional study. Journal of the Indian Academy of Applied Psychology, 50 (2), 255-263.
18. Singh, P., Tiwari, T., Yadav, A. K.,Singh, I. L., Singh, T., & Singh, A. L. (2024). Effect of short-term Vipassana Meditation Training on Measures of Mindfulness and Attentional Network Task. Journal of the Indian Academy of Applied Psychology, 50 (1), 357-366.
19. Chauhan, H., Arya, Y. K., Das, A., et.al., (2024). Health-related procrastination, occupational stress, and job insecurity among private school teachers. Mind and Society, 13 (2), 25-32. doi: 10.56011/mind-mri-132-20244.
20. Srivastava, A., Arya, Y. K., Joshi, S. & Rai, A. (2025). Queer in the digital lens: Qualitative study of experiences on geo-social networking apps. Research Hub international multidisciplinary research journal, Vol, 12 (4). DOI: 10.53573/rhimrj.2025.v12n4.013
21. Pandey, J., & Singh, T. (2024). The Social Psychology of Stigma in the Indian Context. Psychological Studies, 69(4), 369–374. doi:10.1007/s12646-024-00815-0
22. Verma, S. K., Bhattacharya, S., & Singh, T. (2024). FAMILY DYNAMICS AND INTERGENERATIONAL RELATION IN INTERDEPENDENT SOCIETY: AN INDIAN PERSPECTIVE. Contemporary Perspectives in Family Research, 26, 97–125. doi:10.1108/S1530-353520240000026006
23. Matsumoto, K., Hamatani, S., & Singh, T. (2024). Editorial: Psychological intervention for suicidal ideation, behavior, and attempted suicide. Frontiers in Psychiatry, 15. doi:10.3389/fpsyt.2024.1497473
24. Pandey, J., & Singh, T. (2025). Correction to: The Social Psychology of Stigma in the Indian Context (Psychological Studies, (2024), 69, 4, (369-374), 10.1007/s12646-024-00815-0). Psychological Studies. doi:10.1007/s12646-025-00832-7
25. Kaur, H., & Singh, T. (2024). A Qualitative Exploration of the role of intersectionality in health disparities faced by Indian transgender persons. Psychology Hub, 41(1), 23–34. doi:10.13133/2724-2943/18227
26. Bharti, P., Pandey, J., Verma, S. K., & Singh, T. (2024). Development of Social Stigma Scale in Indian Context. Psychological Studies, 69(4), 455–468. doi:10.1007/s12646-024-00787-1
27. Riddleston, L., Shukla, M., Lavi, I., Saglio, E., Fuhrmann, D., Pandey, R., … Lau, J. Y. F. (2024). Identifying characteristics of adolescents with persistent loneliness during COVID-19: A multi-country eight-wave longitudinal study. JCPP Advances, 4(1). doi:10.1002/jcv2.12206
28. Srivastava, A., Arya, Y. K., Joshi, S., & Singh, T. (2024). A qualitative exploration of stressors and coping strategies of transmen during the global crisis. Psychology Hub, 41(3), 71–82. doi:10.13133/2724-2943/18482
29. Szkody, E., Spence, A., Özdoğru, A., Tushir, B., Chang, F., Akkaş, H., … Cascalheira, C. J. (2024). Social support and help-seeking worldwide. Current Psychology, 43(22), 20165–20181. doi:10.1007/s12144-024-05764-5
30. Yadav, A. K.,Dubey, S., Tiwari, T., Yadav, S.,Singh, I. L. & Singh, A. L. (September, 2024). Exogenous - Endogenous Orienting, Time Course of Facilitation and Inhibition during Vigilance Task Performance. Journal of the Indian Academy of Applied Psychology, 50 (Special Issue, September, 2024), 168-180.
31. Ali AA, Kohli N, Yadav S. Lived Experiences of Cancer Patients Who Chose to Stop Receiving Treatment. Patient Experience Journal. 2024; 11(1):42-52. doi: 10.35680/2372-0247.1866.
32. Pandey, S., Joshi, S. and Arya, Y. K. (2025). Cultural intelligence and psychological well-being of Indigenous population during acculturation: A comprehensive review. Mind and society, Vol. 14 (1), 56-64. DOI: 10.56011/mind-mri-141-20258.
33. Pandey, S., Joshi, S. and Arya, Y. K. (2025). Role of Cultural Intelligence in Psychological well-being of Kharwar tribal migrants. Research Review Journals, Vol. 10 (6), 26-34. DoI: 10.31305/rrijm.2025.v10.n6.004.
34. Shukla, M, Lau, JYF, Pandey, R. (2024). Behavioural approach-avoidance tendencies among individuals with elevated blood pressure. Current Psychology 43 (1), 698-706.
35. Tiwari, G.K., Tiwari, R. P., Pandey, R. Ray, B., Dwivedi, A., Sharma, D.N., Singh, P., Tiwari, A.K., Singh, A.K. (2024). Perceived Life Outcomes of Indian Children During the Early Phase of the COVID-19 Lockdown: The Protective Roles of Joint and Nuclear Families, Journal of Research and Health Volume 14 (1), 43-54.
36. Shukla, M. & Pandey, R. (2024). Emotional dampening in hypertension: Impaired recognition of implicit emotional content in auditory and cross-modal stimuli. PsyCh Journal, Vol. 13 (1) 124-138.
37. L Riddleston, M Shukla, I Lavi, E Saglio, D Fuhrmann, R Pandey, T Singh, … (2024). Identifying characteristics of adolescents with persistent loneliness during COVID-19: A

multi-country eight-wave longitudinal study. JCPP advances 4 (1), e12206

38. S Chauhan, R Pandey, K Vakani, R Norbury, U Ettinger, V Kumari (2024). Sleep quality mediates the association between chronotype and mental health in young Indian adults. npj Mental Health Research 3 (1), 31.
39. V Kumari, U Tailor, A Saifullah, R Pandey, E Antonova (2024). Non-dual awareness and sensory processing in meditators: Insights from startle reflex modulation. Consciousness and Cognition, 123, 103722
40. M Shukla, R Pandey (2024). Bylines and Beyond: Unpacking Authorship in Research Publications. Scientific Publishing Ecosystem: An Author-Editor-Reviewer Axis, 3-31
41. N Upadhyay, M Shukla, R Pandey (2024). Two routes, one destination: The metacognitive and affective pathways linking dispositional mindfulness to mental health, Mind and Society 13 (2), 66-76
42. N Upadhyay, M Shukla, R Pandey (2024). Dispositional mindfulness and mental health: Exploring the interplay of decentering, non-attachment, emotion regulation difficulties and affectivity as implicated mechanisms. Current Psychology 43 (33), 27128-27145
43. V Tripathi, A Pandey, R Pandey (2024). Psychometric Properties and Factor Structure Validation of a Hindi Version of Twenty-One Items Depression Anxiety Stress Scale. Mind and Society 13 (3), 84-94
44. S Chauhan, K Faßbender, R Pandey, R Norbury, U Ettinger, V Kumari (2024). Sleep Matters in Chronotype and Mental Health Association: Evidence from the UK and Germany. Brain Sciences 14 (10), 1020
45. Meenakshi Shukla, Rakesh Pandey (2025/3/3) The Effect of Relative Positive Over Negative Mood on Affect-Modulated Eye-Blink Startle Response Journal: Journal of Psychophysiology Volum:38 Issue: 4 Pages:195–207 Publisher: Hogrefe Publishing.
46. R. Tiwari, G., Pandey, R., Sharma, D., Ray, B., Dwivedi, A., Singh, A., Suman, S., Singh, P., & Mishra (2025/2) Journal: Journal of Qualitative Research in Health Sciences Volume: 1 Issue: 1 Pages: 1 – 7 Publisher:Kerman University of Medical Sciences.
47. Ashutosh Pandey, Vishnukant Tripathi, Meenakshi Shukla, Rakesh Pandey (2025/2) Dimensionality and cross-language invariance of Pittsburgh Sleep Quality Index among Indian adolescents and adults Journal of sleep research Volume: 34 Issue:1 Pages: e14319 Publisher: Wiley.
48. Charu Prabhakar, Love Kumar Mishra, Poonam Sharma, Gyanesh Kumar Tiwari, Rakesh Pandey, Meenakshi Shukla, Akash Bajpai, Pramod Kumar Rai (2025/1/2) Journal: Journal of Religion, Spirituality & Aging Volume: 37 Issue: 1 Pages: 73-97 Publisher: Routledge.
49. Srivastava, U.R., Sahu, P., Ventouratos, F.R, Jain, M (2025),Impact of Prenatal Maternal Stress During Pregnancy On Adverse Outcomes of Infants' Birth Weight and Length of Gestation Among Indian Professional Women. Journal of Neonatology (E-ISSN:0973-2187 and P-ISSN:0973-2179) International SAGE PUBLICATION EBSCO Embase Indian Citation Index (ICI) J-Gate SCOPUS UGC-CARE (GROUP II)
50. Chaurasiya, A., Ranjan, J. K., Pandey, N., & Asthana, H. S. (2025). Hindi Adaptation and
51. Psychometric Validation of Rivermead Post-Concussion Symptoms Questionnaire on Patients with Traumatic Brain Injury. Archives of Clinical Neuropsychology, acaf039, https://doi.org/10.1093/arclin/acaf039
52. Saishree, Ranjan, J. K., Asthana, H. S., & Pandey, N. (2025). Prevalence of Head Injury in India: A Systematic Review and Meta-analysis of Cross-sectional Community-based Surveys. Annals of Neurosciences, DOI: 10.1177/09727531251340173
53. Saishree, Ranjan, J. K., Pandey, N., & Asthana, H. S. (2025). Cognitive Rehabilitation to Remediate Attention and Memory in Patients with Complicated Mild Traumatic Brain Injury: A Case Series. Indian Journal of Neurotrauma. DOI: 10.1055/s-0045-1802588
54. Chaurasiya, A., Ranjan, J. K., Asthana, H. S., & Pandey, N. (2024, August). Role of Sociodemographic factors in subjective symptoms severity following traumatic brain injury. International Journal of Psychology (Vol. 59, pp. 458-458).
55. Chaurasiya, A., Ranjan, J. K., Pandey, N., & Asthana, H. S. (2024). Role of neuropsychological factors in post head injury symptoms of complicated mild –moderate traumatic brain injury patients. Psychology : The Journal of the Hellenic Psychological Society . Vol.(29), No.2, 158-171.

Books and Book Chapters

1. Verma, R., Uzaina, U., Manickam, S., Singh, T., & Tiwari, G. (2024). Exploring the Psycho-Social Impact of COVID-19: Global Perspectives on Behaviour, Interventions and Future Directions. Routledge: UK
2. Gangwar A. K, Tiwari, T., Yadav, A. K., Mishra, T., & Singh, A. L. (2024). Dynamics of Spatial Attention and its relation with Working Memory Load: An enquiry (pp. 81-103). In Panch Ramalingam, (Eds.), Applying Psychology for Professional Excellence. Puducherry: Indian School Psychology Association [ISBN:978-93-91690-53-3; National Publisher]
3. Singh, A. L., Tiwari, T.,& Gangwar A. K, (2024). वृद्धावस्था मानसिक स्वास्थ्य: भारतीय वातावरणीय/परिवेशीय (ग्रामीण व शहरी) दृष्टिकोण (pp. 121-136). In Rakesh Kumar Tripathi and Nisha Mani Pandey, (Eds.), Vriddhavastha Mansik Swasthya: Bahuaayaami Drishtikon. New Delhi: Blue Buck Publications [ISBN: 978-93-86709-89-9; National Publisher]
4. Mittal, S., &Singh, T. (2024). DR. LEORA ECHOHAWK: Scholarly Journey and Contributions in Psychology, Indigenization, and Classroom Utility (Vol. 2, pp. 195–203). doi:10.4324/9781003340720-19
5. Upadhyay, D. K., Singh, T., Mittal, S., & Tushir, B. (2024). Nature of music engagement and its relation to resilient coping, optimism and fear of COVID-19 (pp. 1–14). doi:10.4324/9781003471189-1
6. Mittal, S., Singh, T., Upadhyay, D. K., & Tushir, B. (2024). A Qualitative Enquiry of the Experience of Music Professionals during the COVID-19 Pandemic (pp. 86–107). doi:10.4324/9781003454984-6
7. Verma, R., Uzaina, Tiwari, G. K., Sudheer Manickam, L. S., &Singh, T. (2024b). PREFACE (pp. xxiii–xxiv). Retrieved fromhttps://www.scopus.com/inward/record.uri?eid=2-s2.0-85184529532&partnerID=40&md5=98e4b46ccb2be8a7666f3a56eb8c1c7f
8. Mittal, S., Singh, T., Kaur, H., Varma, R., Das, S., Arya, Y. K., … Tushir, B. (2025). Impact of COVID-19 and Social Distancing Measures on Married Women: A Qualitative Enquiry (pp. 43–60). doi:10.4324/9781003517313-4
9. Bhanot, D., Verma, S. K., Sharad, S., Bharti, B. K., Singh, T., Mittal, S., & Tushir, B. (2024). The social psychology of COVID-19 stigma (pp. 114–134). doi:10.4324/9781003471189-7
10. Singh, T., Mittal, S., Tushir, B., Kaur, H., Agrawal, C.K. (2025). Breaking Barriers: Contemporary Challenges and Solutions in Male Mental Health. In: Liamputtong, P. (eds) Handbook of Concepts in Health, Health Behavior and Environmental Health. Springer, Singapore. https://doi.org/10.1007/978-981-97-0821-5_156-1
11. Singh, T., Tushir, B., Mittal, S., Kaur, H. (2024). Unveiling Health Disparities: Navigating the Unique Challenges Faced by Abused Women, Transgender Individuals, and Underprivileged Children. In: Liamputtong, P. (eds) Handbook of Concepts in Health, Health Behavior and Environmental Health. Springer, Singapore. https://doi.org/10.1007/978-981-97-0821-5_145-1
12. Singh, T., Verma, M., Chaturvedi, S. (2025). Work, Stress, and Health. In: Liamputtong, P. (eds) Handbook of Concepts in Health, Health Behavior and Environmental Health. Springer, Singapore. https://doi.org/10.1007/978-981-97-0821-5_38-1

Department of Economics

Research Papers and Articles

1. Verma, Ajay Kumar and Komaraiah, Jadi and Gaur, Achal, The Role of Antenatal Iron and Folic Acid Supplementation in Shaping Cognitive Achievement among School Age Children in India: A Perspective of Human Capital Formation (August 06, 2024). Available at SSRN: https://ssrn.com/abstract=4956273 or http://dx.doi.org/10.2139/ssrn.4956273
2. Verma, A., Banerjee, A., Gaur, A.K. Jadi Bala Komaraiah. Spatial Distribution and Influencing Factors of Zero Consumption of Iron and Folic Acid (IFA) among Pregnant Women in India: Evidence from National Family Health Survey, 2019–21. Geo Journal, 89, 217 (2024). https://doi.org/10.1007/s10708-024-11151-1 (Published16 September 2024).
3. (2025) Bansal, Sunil Kumar, Reddy Avula, Sashikanth, Mehrotra3,Prof Manisha A., Singh, Dr.Pooja, (et.al.)Machine Learning Algorithms For Predicting Air Quality Index: A Case Study In Urban And Industrial Zones,Periodicals of Engineering and Natural Sciences ,(Online) ISSN 2303-4521 ,Vol. 13, No. 1, June 2025, pp.pp.425-434, https://pen.ius.edu.ba/index.php/pen/article/download/354/222/1030
4. (2025) Prakash C S, Dr Siva, Roy, Prof. (Dr.) Santanu, Mehrotra, Prof Manisha A, Singh ,Dr. Pooja,(et. al.) E-Commerce and the Future of Retail Infrastructure: Implications for Policy and Development, Journal of Information Systems Engineering and Management , e-ISSN: 2468-4376, Vol 10(2),2025, page 87-96. https://www.jisemjournal.com/index.php/journal/article/view/1414
5. (2025) Singh, Dr. Pooja, Mehrotra, Prof. Manisha A., Alam,Md. Sarwar, Rathod, Viraj Singh,(et.al.) Leveraging Big Data Analytics to Monitor and Accelerate Progress Toward the Sustainable Development Goals: A Social Science Perspective, Journal of Applied Bioanalysis, E-ISSN: 2405-710X, Vol. 11. No.2, May 2025, page 98-107 ,D.O.I :10.53555/jab.v11i3.224,https://journalofappliedbioanalysis.com/leveraging-big-data-analytics-to-monitor-and-accelerate-progress-toward-the-sustainable-development-goals-a-social-science-perspective
6. (2025) Tripathi, Pijush Kanti, Subha L, Singh, Pooja, Mehrotra, Manisha A., Gupta ,Varsha, Alam ,Md. MasidurExploring the Impact of Environmental Changes on Agricultural Productivity: A Comprehensive Analysis, Journal of Environmental Protection and Ecology, ISSN1311-5065,Vol.26,No3(2025),page965-979 https://scibulcom.net/en/article/cgk2LDCzaRBjNqat5EUD

Books and Book Chapters

1. Viksit Bharat @ 2047 :The Redefined Agenda,(Edited) Ranjan, Dr. Saroj, Kumar, Prof. Alok , Kumar, Dr. Atul, Deshmukh , Dr. G. K, Mehrotra, Prof. Manisha, Dr. D. Y. Patil B-School, Pune,ISBN:978-93-48413-84-0
2. 2025) A Chapter entitled "Revisiting Ancient Indian Education for Holistic Development in VUCA World" in (ed.) Viksit Bharat @ 2047- The Redefined Agenda, published by D Y Patil, Pune, ISBN : 978-93-48413-84-0, page 233-247
3. (2025) A chapter entitled "Labour Market Renaissance _The Infrastructural Multiplier Effect in (ed.) Viksit Bharat @ 2047- The Redefined Agenda, published by D Y Patil, Pune,ISBN : 978-93-48413-84-0, page303-317
4. Alok Kumar Pandey 2024, Exploring Livestock and Agricultural Income Poverty among Farming Households: Study Based on Mirzapur District of Uttar Pradesh, Indian Journal of Agricultural Economics 79 (3), 535-546
5. Alok Kumar Pandey, Bhartendu Kumar Chaturvedi and Pawan Kumar Singh, 2024 Time Series Forecasting of Four Cryptocurrencies Market Using Machine Learning Models, The Indian Journal of Economics, no 415, Vol CIVPART-IV April, pp 641-665
6. Annapurna Dixit, Alok Kumar Pandey and Namita Gupta 2024 Dynamics of Self-Employed Women Entrepreneurs in Uttar Pradesh from Aspiration to Achievements, The Indian Economic Journal, ISSN 0019-4662 Volume 2-a Special Issue Page 546-558

Department of Sociology

Research Papers and Articles

1. Lahari, V. K. (2025). RashtriyaShikshaNeeti 2020: Samaveshi, SamagraevamBahubhashikShikshakiDishameinekParivartankariPrayas. *Adhigam*, *35*, 07–21. State Institute of Education, Prayagraj. ISSN: 2394-773X. (UGC-CARE)
2. Lahari, V. K. (2025). Problems of Tharu tribe in contemporary India: A social-scientific study with special reference to Uttar Pradesh. *International Journal of Research and Innovation in Social Science*, *9*(2), 1415–1426. ISSN: 2454-6186.
3. Lahari, V. K. (2025). LokParampara, MaukhikAbhivyaktiaurAnuvad: Bharat-Nepal SanskritikSamvadkiEkPadtaal. ShodhSamalochan,An International Peer Reviewed, Refereed Multidisciplinary & Multiple Languages Quarterly Research Journal *2*, 228-232. Guganram Educational and Social Welfare Society (Regd.). ISSN: 2348-5639
4. Lahari, V. K. (2024). Sanskritikpunarjagranevam Ram Mandirkisthapana: Samajshastriyvimarsh. *Adhigam*, *31*, 16–26. State Institute of Education, Prayagraj. ISSN: 2394-773X. (UGC-CARE)
5. Lahari, V. K. (2024). Apada se avsar: Ambedkarkiprasangikata. *Purvdeva*, *30*(Oct–Dec), 79–84. Madhya Pradesh Dalit SahityaAkademi. ISSN: 0974-1100.

6. Lahari, V. K. (2024). SantRavidasevamBhimraoAmbedkar: Sawal, sangharshevamparivartan. *Vishvbharti, 3–4*(87), 46–58. Vishvbharti University, Shantiniketan, West Bengal. ISSN: 2348-4977. (UGC-CARE)
7. Lahari, V. K. (2025). BharatiyaSanskritievamGyanParamparamein Jain DharmkaYogdan: DharmkeSamajshastraAntargatekAntardrishti (Accepted for publication). Quest Journals-Journal Research in Humanities and Social Science (JRHSS). Online. ISSN: 2321-9467
8. Lahari, V. K. (2024). TharuJanjatike Devi-Devta, Pooja-PaddhatievamDharmikVishwas: NirantarataevamParivartan (Accepted for publication). Manav, Ethnographic & Folk Culture Society, Lucknow, & Serial Publication, New Delhi. ISSN:23476591
9. Lahari, V. K. (2025). Uttar Pradesh kiTharuJanjatiyaSanskriti: NirantarataevamParivartan (Accepted for publication). Madhya Pradesh SamajikVigyanAnusandhan Journal. M. P. Institute of Social Science Research, Madhya Pradesh. ISSN:0973-8568(UGC-CARE) Rajasthan Journal of Sociology, Vol.16, Oct.2024. pg.119-128. ISSN: 2249-9334 (UGC-CARE)
10. Dubey, Rajeev. (2024). Rise of new religious movements in the global scenario. In B. Ghosh (Ed.), Exploring social movements: Theories, experiences, and trends (pp. 349-366). Routledge: London & New York. ISBN: 978-1-032-66645-7 (SCOPUS Indexed)
11. Kumari, A.Sakshi Agarwal, Anuja Thakur, Lalit Kumar, Arun Das, Tej Bali Singh (2025). Prevalence of urinary symptoms among adolescents and young females in Eastern Uttar Pradesh. Journal of Family Medicine and Primary Care, Published by Wolters Kluwer, Medknow.

Books and Book Chapters

1. Lahari, V. K. (Ed.). (2024). SamajikJanankiki. Uttar Pradesh RajarshiTandon Open University.
2. Singh, Susmita (Ed.).(2024). Contemporary issue and Trends in gender studies , peoples literature publication , ISBN No. : 978-81-957203-4-7
3. Lahari, V. K. (2025). Structural functional change in Kashi: A sociological perspective. In D. R. Sharma Sangraula, V. Sharma, & N. Sihag (Eds.), Padma Gyan Ganga [E-book] (S. Ahlawat, P. Kumari, & C. Singh, Sub-eds.). Hindi, Sanskrit and Journalism Department, Tribhuvan University, Padma Kanya Multiple Campus. Nepal, ISBN: 978-9937-1-8438-0
4. Singh, Susmita(2024). SamajikJanankiki. Uttar Pradesh RajarshiTandon Open University.(2 Chapters)

Faculty of Sanskrit Vidya Dharm Vigyan

Department of Dharmagam

Research Papers and Articles

1. Concept of Yoga in Vaikhanasa Agama, प्रकाशक-संस्कृतविद्या मूल्यांकित वार्षिकी शोधपत्रिका, अंक चतुस्त्रिंशत्तम 34, वर्ष-1-2024, यूजीसी केयर लिस्टेड-ISSN-0975-8348, संस्कृतविद्याधर्मविज्ञानसंकाय, काशी हिन्दू विश्वविद्यालय, वाराणसी. Pp. 312-316
2. आगमशास्त्र में संगीतविद्या, श्रीविद्यामन्त्रमहायोग, फरवरी, 2025, अंक-2, पृ0 16-22 यूजीसी केयर लिस्टेड -ISSN-2277-5854 श्रीविद्यासाधनापीठ, नगवां, वाराणसी
3. स्कान्द आगम-तन्त्र, लेखक- शीतलाप्रसाद पाण्डेय, प्रकाशक-प्रकाशन विभाग, काशी हिन्दू विश्वविद्यालय, प्रकाशन वर्ष-2024, प्रथम संस्करण। ISBN-81-85305-01-10

Department of Sahitya

Research Papers and Articles

1. Shyamanand Mishra, काव्यानुशासन मे रूपकभेद, Sanskritvidya (CARE Listed), 2024, ISSN 0975-8348
2. Dr. Shalendra Kumar Sahu, e`PNdfVddkyhu lekt dh vk/kqfud lekt esa izklf^3~xdrk, Bhaswati (CARE Listed), July–Dec 2024, ISSN 0976-9196
3. Dr. Shalendra Kumar Sahu, मृच्छकटिका में प्रतिबिंबित सामाजिक व्यवस्था: वर्तमान संदर्भ में, Sanskritvidya (CARE Listed), 2024, ISSN 0975-8348
4. Dr. Shalendra Kumar Sahu, dkfynkl ds :idksa esa uk;dÙo&fopkj, नाट्यम (CARE Listed), 2024, ISSN 2229-5550

Faculty of Visual Arts

Research Papers and Articles

1. Arora, M. "Navigating Tradition: Challenges Faced by Wooden Toymakers in Varanasi, India" in Anhad Lok, Jan-June 2024, ISSN :2349-137X (UGC Care Listed)
2. Kaur, J., The Chamba Rumal with Krishna Theme, Jnana Pravaha, Research Journal, No. XXVII-24, p. 107-114, ISSN 0976-2078
3. Kaur, J., Gandaberunda Motif in Indian Textile with Special reference to the Bharat Kala Bhavan Museum Collection, Kalakalpa, IGNCA Journal of Arts, ISSN- 2456-8201(Print) Vol.8, No.2 Basant Pnchami 2024, p.51-60
4. Mahesh Singh, (Sole Author) K. Laxma Goud ki printmaking me molikta, Journal Apani Maati – Drshyakala Visheshank (UGC CARE Listed Journal), October, 2024, Issue – 55, ISSN 2322-0724, Page no. 165-168
5. Mahesh Singh, (First Author) A Cultural Exchange and Dialog Between the Viewers, the Artist and the Public Art in Public Space, Journal Anhad Lok – Kaladrishiti Visheshank(UGC CARE Listed Journal, Peer Reviewd jornal) Jan – June 2024, Issue 10, ISSN 2349-137X, Page no.87-93
6. Ashish Kumar Gupta, " चिन्हों एवं प्रतीकों की उपयोगिता एवं महत्वः सुरक्षा की दृष्टि से " Paper published in ISSN-0974-8946, UGC CARE List Journal, "Shodha Prabha" Vol.48 Issue. 04, No.7, March 2023-2024
7. Gupta, K., (Second Author) Types and Techniques of Handloom Sarees in Mubarakpur (Azamgarh District), Shodhkosh: Journal of Visual Arts and Performing Arts, ISSN: 2582 – 7472, Vol. 5, Issue 2 July – December 2024, 216-226, page no. 216-226.
8. Gupta, K., (Second Author) Sri Gandhi Ashram Sewapuri Khadi Gramodyog Ayog Uttar Pradesh Varanasi: Solar Charakhe v Solar Karagh eke Sandarbh men Ek Anveshan, Anand Lok UGC Care Listed, Peer Reviewed Journal, ISSN 2349 -137X, Year 10, KaladrishtiVisheshank, Jan- June 2024, page no. 402-407.
9. Jangid, Suresh Chandra, (Sole Author) Kagaz aur Kalam Ka Rishta Jo Roshanai se Roshan Hai (Interview with Harishankar Balothiya), Journal Apani Maati – Drshyakala Visheshank (UGC CARE Listed Journal), October, 2024, Issue – 55, ISSN 2322-0724.
10. Jangid, Suresh Chandra, (Second Author) Exploring Digital Art and Its Evolution in Contemporary Indian Art, Journal Anhad Lok – Kaladrishiti Visheshank(UGC CARE Listed Journal, Peer Reviewd jornal) Jan – June 2024, Issue 10, ISSN 2349-137X, Page no.131-134.
11. Mondal Rajeev, (Second author), "Unveiling the Timeless Beauty : Exploring the Aesthetical Approach of Wood Carving on Nepali Temple in Varanasi", Anhadlok Journal – UGC Care Listed Journal, ISSN: 2349-137X, Vol. 10, No. 1, January-June, 2024
12. Mondal Rajeev, (Second author), "आधुनिक भारतीय कला में पारम्परिक प्रतिक और उनकी यात्रा", Anhadlok Journal – UGC Care Listed Journal, ISSN: 2349-137X, Vol. 10, No. 1, January-June, 2024
13. Gyandendra Kumar Kanaujia, "Technological & Infographic Advancement in Art", UGC Approved Journal, 49321, Shodh Drishti, Impact Factor :7.0 Peer Reviewed Journal, Feb 2025, ISSN: 0976-6650

Annexure II

RESEARCH PROJECTS

New Research Projects Sanctioned during the year2024-25		
Name Of The INSTITUTE/FACULTY/ DEPARTMENT	**No. Of RESEARCH PROJECTS**	**AMOUNT SANCTIONED**
CMMITY		
IESD	**1**	560000
Genetics and Plant Breeding	2	6850355
TOTAL	**3**	**7410355**
CSIR		
Chemistry	**3**	2461333
DST-CIMS	1	420001
TOTAL	**4**	**2881334**
DAE		
Physics	1	1764625
IESD	1	1228750
TOTAL	**2**	**2993375**
DBT		
Biochemistry	3	62225645
Botany	2	12222717
ISLS	1	11360000
Molecular and Human Genetics	1	7758000
Zoology	4	29715689
TOTAL	**11**	**123282051**

Foreign Agency		
Geology	1	325108

Genetics and Plant Breeding	1	745140
Agronomy	1	295455
TOTAL	**3**	**1365703**
	-	-
ICAR		
Agronomy	1	1289000
Genetics and Plant Breeding	1	55020
Mycology & Plant Pathology	1	2456860
TOTAL	**3**	**3800880**
	-	-
ICMR		
Biochemistry, IMS	1	980000
Centre for Genetic disorders	1	5373272
Community Medicine	1	513500
Gestroenterology, IMS	2	185031351
Molecular & Human Genetics	2	13149553
Neurolgy, IMS	1	642720
Paediatrics	1	1245541
Radiation Medicine	1	225120
Zoology	2	13296702
TOTAL	**12**	**220457759**
	-	-
ICSSR		
AIHC & Arch	1	1500000
CSEIP	1	1500000
Economics	2	3000000
Geography	1	580000
German Studies	1	1000000
Politicial Science	2	2080000
Psychology	1	952450
Sociology	1	580000

Total	**10**	**11192450**
DST		
Genetics and Plant Breeding	1	3296000
Agronomy	2	17129852
Biochemistry	2	7005690
Biochemistry, IMS	2	9387620
Biotechnology	1	1508590
Botany	2	4778910
Chemistry	6	19818228
Gastroentrology	2	3471904
Geology	2	6226000
IESD	4	30378652
Mathematics	1	660000
Molecular and Human Genetics	1	383249
Physics	4	12144938
Zoology	2	9446240
Zoology, MMV	1	3448000
TOTAL	**33**	**129083873**
IRRI		
Agronomy	1	960000
Genetics and Plant Breeding	1	165000
TOTAL	2	**1125000**
DBT Indian Alliance		
Zoology	1	15312550
TOTAL	**1**	**15312550**
Dioraphte Foundation Sweden		
CEMS, IMS	1	10894101

Medicine, IMS	1	9452451
TOTAL	**2**	**20346552**
Indian Health Action Trust IHAT		
Gynaecology and Obst.	1	867536
TOTAL	**1**	**867536**
INSA		
Botany	1	500000
TOTAL	**1**	**500000**
IUAC		
Physics	1	300000
TOTAL	**1**	**300000**
-	-	-
MHRD		
Botany	1	4994000
Physics	1	7875000
TOTAL	**2**	**12869000**
Min. of Ayurveda		
Neurology	1	204660
TOTAL	**1**	**204660**
Min. of Ayush		
Botany	2	5323000
Vikriti Vigyan	1	6845118
Medicine	1	877400
TOTAL	**4**	**13045518**
Min. of Earth Science		

Geophysics	1	537646
TOTAL	**1**	**537646**
Min. of Mines		
Chemistry	1	1303018
TOTAL	**1**	**1303018**
NASI		
Botany	1	460000
TOTAL	**1**	**460000**
NCW National Council for Women		
Economics	1	872500
TOTAL	**1**	**872500**
Pvt. Funding Agency		
Agronomy	20	17135095
Entomology and Agri. Zoology	7	2014502
Gastroentrology	2	855450
Genetics and Plant Breeding	5	345228
Horticulture	2	4075714
Mycology and Plant Pathology	5	5868198
Neurology, IMS	1	192113
Plant Physiology	2	159400
Soil Science & Agri. Chemistry	3	892556
Computer Science	1	1465046
TOTAL	**48**	**33003302**
SERB		
Agronomy	1	4265624
Animal & Veterinary	1	3000000
Biochemistry	1	550000
Botany	4	16530490

Chemistry	2	17754264
CIMS	1	2367769
Geology	2	9233192
Geophysics	1	150000
Medicinal Chemistry	1	650000
Physics	1	2506900
Zoology	4	17572720
TOTAL	**19**	**74580959**
UGC		
Biotechnology	1	1000000
Botany	1	800000
English	1	385000
Physics	1	500000
Management Sturies	1	1350000
School of Biotechnology	1	1000000
TOTAL	**6**	**5035000**
UPCAR		
Genetics and Plant Breeding	1	540750
TOTAL	**1**	**540750**
UP-CST		
Biochemistry	1	1536000
Botany	1	1736000
Cardiology, IMS	1	1136000
Chemistry	1	1686000
Neurology, IMS	1	2136000
Zoology	3	4608000
TOTAL	**8**	**12838000**

ICPR		
Philosophy, MMV	1	200000
TOTAL	**1**	**200000**

UPCAR		
Genetics and Plant Breeding	1	540750
TOTAL	**1**	**540750**

Ongoing Research Projects During The Year 2024-25		
Name Of The INSTITUTE/FACULTY/ DEPARTMENT	**No. Of RESEARCH PROJECTS**	**AMOUNT SANCTIONED**
UNIVERSITY GRANT COMMISION		
Botany	1	800000.00
Botany, MMV	1	1000000.00
Engish	1	385000.00
Geology	1	1000000.00
Management Studies	1	1350000.00
Medicinal Chemistry	1	1000000.00
Physics	2	1069000.00
School of Biotechnology	2	2000000.00
TOTAL	**10**	**8604000.00**
-		-
Inter-University Accelerator Centre (IUAC)		
Physics	1	300000.00
Total	**1**	**300000.00**
-	-	-
Deprartment of Biotechnology (DBT)		
Biochemistry	4	73585645.00
Biotechnology	1	2875240.00
Botany	4	24240037.00
Centre for genetic Disorders	2	17155400.00
Genetics & Plant Breeding	1	3587440.00
ISLS	1	11360000.00
Molecular & Human Genetics	1	7758000.00
Microbiology	1	4407600.00
Veterinary Parasitology, F/o Veterinary Sciences.	1	3712676.00
Zoology	6	61171717.00
Total	**22**	**209853755.00**
-	-	-
Department of Science & Technology (DST)		
Agronomy	2	17129852.00
Biochemistry	3	9777690.00

Biochemistry, IMS	2	9387620.00
Biotechnology	1	1508590.00
Botany	2	4778910.00
CIMS,IMS	1	8859800.00
Centre for genetic Disorders	1	2831386.00
Chemistry	8	27194360.00
Dental Science	1	839751.00
Dravyagun	1	3355000.00
Economics	1	30000000.00
Extension Education	1	6321964.00
Gastroentrology	3	8822344.00
Genetics & Plant Breeding	1	3296000.00
Geology	5	19290600.00
IESD	6	36044258.00
Mathematics	1	660000.00
Molecular Biology Unit	2	8791840.00
Molecular & Human Genetics	1	383249.00
Physics	6	21286360.00
Physics,MMV	1	5995264.00
Radiotheraphy & Rediation Medicin	1	2852891.00
Zoology	5	20597440.00
Zoology, MMV	1	3448000.00
TOTAL	**57**	**253453169.00**
-	-	-
Science and Engineering Research Board (SERB)		
Agronomy	2	7741864.00
Animal & vetenari Scs.	1	3000000.00
Biochemistry	2	1210000.00
Biochemistry, IMS	1	7854000.00
Bioinframatics, MMV	1	3823120.00
Biotechnology	2	10281541.00
Botany	15	59502519.00
Botany, MMV	3	10144123.00
CEMS, IMS	1	6816880.00
Chemistry	14	71535406.00
Chemistry, MMV	1	5137264.00

CIMS	1	2367769.00
Computer Science	1	2565477.00
Dairy Science & Food Technology	1	4345264.00
Genetics & Plant Breeding	2	7056000.00
Geology	11	71379243.00
Geophysics	3	5518480.00
IESD	3	9008456.00
Mathematics	3	3531154.00
Medicinal Chemistry	2	5446264.00
Molecular & Human Genetics	3	17484557.00
Molecular Biology Unit, IMS	1	5799992.00
Physics	16	80829099.00
School of Biotechnology	1	3500000.00
Veterinary, Gynecology & obstetrics	1	4666332.00
Zoology	12	42302517.00
Total	**104**	**452847321.00**
U.P. COUNCIL OF SCIENCE & TECHNOLOGY		
Ayurveda, IMS	1	1458000.00
Biochemistry	4	3730473.00
Botany	1	1736000.00
Cardiology, IMS	1	1136000.00
Chemistry	1	1686000.00
Computer Science	2	2184000.00
Geophysics	1	1236000.00
IESD	1	1194000.00
Molecular & Human Genetics	1	1194000.00
Mycology & Plant Pathology	1	1666500.00
Neurology, IMS	1	2136000.00
Plant Physiology	1	1194000.00
Soil Science & Agril. Chemistry	1	1194000.00
Zoology	6	6852000.00

TOTAL	**23**	**28596973.00**
-	-	-
UPCAR		
Veterinary Gynacology & Obstetrics	**1**	1820500.00
Genetics & Plant Breeding, I.Ag.Scs,	**2**	5940750.00
TOTAL	**3**	**7761250.00**
	-	-
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH		
Botany	1	874665.00
Chemistry	7	5491997.00
DST-CIMS	1	420001.00
IESD	2	1379333.00
Physics	1	866500.00
TOTAL	**12**	**9032496.00**
-	-	-
INDIAN COUNCIL OF MEDICAL RESEARCH		
Anaesthesiology	2	1235866.00
Anatomy, IMS	1	5105370.00
Biochemistry	2	5802300.00
Biochemistry, IMS	5	20065848.00
Cardiology, IMS	1	3893260.00
CEMS	1	3292311.00
Centre for Genetic disorders	2	11293356.00
Community Medicine	2	2788840.00
Dravyaguna	1	1430249.00
Gastroenterology, IMS	3	189096489.00
Geriatric Medicine	1	2755185.00
Medicine, IMS	5	218509392.00
Molecular & Human Genetics	4	19826217.00
Molecular Biology Unit	1	1503096.00
Neurology, IMS	7	9627377.00
Paediatrics	1	1245541.00
Physiology, IMS	1	3339860.00
Radi. & Imaging	1	225120.00
Surgical oncology, IMS	1	10000000.00

Zoology	15	59521380.00
Zoology,MMV	1	5820400.00
TOTAL	**58**	**576377457.00**
		-
MINISTRY OF EARTH SCIENCE		
Geology	1	8011000.00
Geophysics	2	6447438.00
TOTAL	**3**	**14458438.00**
-	-	-
INDIA COUNCIL OF AGRICULTURE RESEARCH		
Agronomy	1	1289000.00
Animal & vetenari Scs.	1	803176.00
Botany	2	5069000.00
Biochemistry	1	6530800.00
Genetics & Plant Breeding	1	55020.00
KVK, Barkachha, BHU	2	9503103.00
Mycology & Plant Pathology	2	4311860.00
School Of Biotechnology	1	2530000.00
Soil. Scs. & Agr. Chemestry	1	280000.00
TOTAL	**12**	**30371959.00**
-	-	-
Indian Rice Research Institute		
Agronomy	1	960000.00
Genetics & Plant Breeding	1	165000.00
TOTAL	**2**	**1125000.00**
-	-	-
-	-	-
DEPARTMENT OF ATOMIC ENERGY		
Genetics & Plant Breeding	1	1165050.00
Physics	4	3244515.00
IESD	1	1228750.00
TOTAL	**6**	**5638315.00**
-	-	-
FORIGN AGENCY		

Agronomy	1	295455.00
AIHC & Archaeology	2	926551.00
Genetics & Plant Breeding	2	1465140.00
Geology	2	455548.00
Zoology	1	3900000.00
TOTAL	**8**	**7042694.00**
-	-	-
Conornmondel Pvt. Ltd.		
Entom. & Ag. Zoology	1	1160581.00
Soil Science & Agril. Chemistry	1	213288.00
TOTAL	**2**	**1373869.00**
-	-	-
INDIAN SPACE RESEARCH ORGANIZATION		
Geophysics	1	600000.00
IESD	4	5501690.00
TOTAL	**5**	**6101690.00**
-	-	-
U.P. POLLUTION CONTROL BOARD		
IESD	1	1011603.00
TOTAL	**1**	**1011603.00**
NATIONAL ACADEMY OF SCIENCES INDIA (NASI)		
Botany	1	460000.00
Zoology	1	460000.00
TOTAL	**2**	**920000.00**
International Maize and Wheat Improvement Centre (CIMMYT Collaborative Project, Hydarabad)		
IESD	1	560000.00
Genetics & Plant Breeding	1	5900000.00
	2	**6460000.00**
-	-	-
INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH		
Agricultural Economics	1	178400.00

AIHC & Archaeology	1	1500000.00
Commerce	1	196780.00
CSEIP	1	1500000.00
Economics	6	4362307.00
Education	1	73844.00
English	1	40000.00
Geography	1	580000.00
German Studies	1	1000000.00
History	1	42000.00
Management Studies	3	1564124.00
Political Science	2	2080000.00
Sociology	2	676000.00
Psychology	1	952450.00
TOTAL	**23**	**14745905.00**
-	-	-
Ministry of Human Resource Development (MHRD)		
Botany	1	4994000.00
Physics	1	7875000.00
TOTAL	**2**	**12869000.00**
-	-	-
Ministry of Coal		
Botany	1	339358.00
TOTAL	**1**	**339358.00**
-	-	-
MPMMCC		
Microbiology	1	100000.00
TOTAL	**1**	**100000.00**
-	-	-
-	**ICHR**	-
AIHC & Arch	2	595000.00
History	1	83125.00
TOTAL	**3**	**678125.00**
-	-	-
NCBS		
Genetics Disorders	1	70000.00
TOTAL	**1**	**70000.00**
-	-	-
Special fund BHU		
DST-CIMS	1	9000000.00

TOTAL	**1**	**9000000.00**
-	-	-
BIHAR Pollution Board		
IESD	1	2156412.00
TOTAL	**1**	**2156412.00**
-	-	-
AIIMS		
Microbiology	1	759591.00
TOTAL	**1**	**759591.00**
-	-	-
CCRAS		
Botany	1	1087856.00
TOTAL	**1**	**1087856.00**
-	-	-
(Indian Health Adocacy Trust) IHAT		
Obst. & Gynacology	1	867536.00
TOTAL	**1**	**867536.00**
-	-	-
Ministry Of Ayurveda		
Kriya Sharir (Ayurveda)	1	2743612.00
Neurology, IMS	1	204660.00
TOTAL	**2**	**2948272.00**
-	-	-
ONGC		
Geophysics	1	2146223.00
TOTAL	**1**	**2146223.00**
Rashtriya Krishi Vigyan Yojana (RKVY)		
Animal & vetenari Scs.	1	200000000.00
TOTAL	**1**	**200000000.00**
Oxford		
Gynecology	1	167358.00
TOTAL	**1**	**167358.00**
Other Gov. Agency		
Geography	1	400000.00
Dental	1	6440000.00

Philosophy and Religion	2	1220000.00
Veterinary Physiology & Biochemistry	1	3650000.00
TOTAL	**5**	**11710000.00**
Packard Enterprise Indian Pvt. Ltd.		
Medicine	1	1465046.00
TOTAL	**1**	**1465046.00**
UKPCB		
IESD	1	3074810.00
TOTAL	**1**	**3074810.00**
TIFAC		
Molecular & Human Genetics	1	425972.00
TOTAL	**1**	**425972.00**
Pvt. Funding agency		
Agronomy	54	42653478.00
Anesthesiology	1	332027.00
Community Medicine	1	3489135.00
Dermatology & Venereology	1	538220.00
Dental	1	1496000.00
Entomology and Agri. Zoology	24	17984985.00
Farm Engg.	1	177795.00
Gastroentrology	2	855450.00
Genetics & Plant Breeding	13	1559939.00
Horticulture	13	17388151.00
Mycology & Plant Pathology	20	9989665.00
Neurology	2	378786.00
Plant Physiology	4	938200.00
Soil Science & Agril. Chemistry	15	6417318.00
TOTAL	**152**	**104199149.00**

Min. of Electranic		
Computer Sci.	1	19844327.00
TOTAL	**1**	**19844327.00**
	Young Scientist	
Physics	1	464000.00
TOTAL	**1**	**464000.00**
	BSPCB	
IESD	1	8243169.00
TOTAL	**1**	**8243169.00**
	IKS	
AIHC & Arch	2	2026000.00
DST-CIMS	1	1300500.00
Vedic Vigyan Kendra	1	544750.00
TOTAL	**4**	**3871250.00**
	Ministry of Defence	
Chemistry	1	1500000.00
TOTAL	**1**	**1500000.00**
	Ministry of Ayush	
Botany	3	7483000.00
Dravyaguna, IMS	1	120000.00
Panchkarma	1	3349416.00
Medicine, IMS	1	877400.00
Vikriti Vigyan	1	6845118.00
TOTAL	**7**	**18674934.00**
	AIIMS JAPN	
Microbiology	1	400000.00
	CYMMT	
Genetics and Plant Breeding	2	1254075.00
TOTAL	**2**	**1254075.00**

	Dioraphte Foundation Sweden	
CEMS, IMS	1	10894101.00
Medicine, IMS	1	9452451.00
TOTAL	**2**	**20346552.00**
	ICPR	
Philosophy, MMV	1	200000.00
TOTAL	**1**	**200000.00**
	INSA	
Botany	1	500000.00
AIHC & Archaeology	1	131934.00
TOTAL	**2**	**631934.00**
	Ministry of Mines	
Chemistry	2	3004018.00
TOTAL	**2**	**3004018.00**
	NCW	
Economics	1	872500.00
TOTAL	**1**	**872500.00**

Annexure III

CONFERENCES / SEMINARS / WORKSHOPS / LECTURES

CONFERENCES / SEMINARS / WORKSHOPS / LECTURES – 2023-24

Institute of Agricultural Sciences

1. National Conference on Agri Stat-up Conclave
2. ISWS Biennial Conference "Climate-smart Weed Management for Global Food Security "
3. CAFT training on "Innovative and Sustainable Valorization Strategies in Food and Dairy Waste"
4. International Conference on "Emerging Paradigm Shifts in Food & Dairy Processing: Advances in Food Safety, Quality and Sustainability"
5. Recent Advances and Innovative Approaches for Climate Smart Agriculture (In collaboration with MR Foundation, Varanasi)
6. Work shop: Molecular tools and diagnostics of agricultural pests"
7. National Seminar Agricultural Extension cum Alumni Meet (AADEE)
8. International Conference on Recent Developments in the Techniques of Bayesian Paradigm organized by the Department of Statistics, Banaras Hindu University.
9. Advanced Technologies for Enhancing Productivity and Sustainability in Agriculture"
10. National Conference on Mushroom cultivation for food and livelihood security
11. Hands-on Training on Basic Bio-medical Laboratory Techniques
12. Farmers Training on 'Heat stress management for increasing productivity in broilers"
13. Organized three days training workshop under Ratsriya Krishi Vikas Yojna (RKVY) funded project (M-21-218) entitled "कुक्कुटपालन: विंध्यक्षेत्रकेग्रामीणक्षेत्रोंमेंसामाजिक-आर्थिकरूपसेकमज़ोरवर्गकीसंधारणीयआजीविकाके लिएबैकयार्डपोल्ट्रीफार्मिंग"
14. Organized 8th three days training workshop under Ratsriya Krishi Vikas Yojna (RKVY) funded project (M-21-218) entitled "कुक्कुटपालन: विंध्यक्षेत्रकेग्रामीणक्षेत्रोंमेंसामाजिक-आर्थिकरूपसेकमज़ोरवर्गकीसंधारणीयआजीविकाके लिएबैकयार्डपोल्ट्रीफार्मिंग"
15. Low-cost management of heat stress in
16. broiler chicken
17. "Bridging the Gap: Veterinary and Human Oncology in Concert for Improved Health"
18. One Day National Symposium on "Connecting Human, Animal, and Environmental Health: When we Protect one, we help protect all" Conducted by Faculty of Veterinary and Animal Sciences, Banaras Hindu University.
19. 10 Day National short course training; Hands-on Training on Diagnostic Techniques for the investigation of diseases in farm animals" held from 5th Nov. 2024 to 14th Nov. 2024
20. one-day workshop entitled "विक्ष्यक्षेत्रमेंउन्नतबकरीपालन"
21. Value addition of milk and milk products
22. Entrepreneurial Skills Trainning under SRP (Student READY Program for B.Sc Ag students)
23. National Seminar and Academia-Farmers meet titled "Clean and Green Milk Production"14/04/2024
24. Workshop entitled "विंध्यक्षेत्रमेंमुर्गियोंकापोषणएवंप्रबंधन"

Institute of Medical Sciences

1. 30th UPASICON 2024
2. Advanced Genomic Research during the International Conference & Workshop on the Applications of Microarray Technology
3. Round Table Consortium on Enhancing Maternal and Child Health Outcomes in Uttar Pradesh, Varanasi
4. UPCSI ECG Basics and Beyond Symposium 2024
5. XV Annual conference of Indian Hernia Society (IHSCON-2023)
6. Organizing Chairman.
7. Wet Lab Anastomosis Workshop.
8. Organizing Chairman. Mahamana Hernia Series- Part-II
9. Organizing Chairperson IHSCON-2023
10. UPMASICON-2024
11. Organising secretary of Advances in Breast Cancer Management and Instructional Course
12. GERICON
13. 1st Endometricon -2024Conference (National)
14. Diagnostic Mycology: a walk through basics to advance
15. Nephrology Update 2025
16. Invited Faculty Talk during16th Annual conference of OTSI (Ocular Trauma Society of India), Kashi-Ophthal Traumacon-2024 held at K N Udupa Auditorium, IMS, BHU.
17. Faculty Talk during 10th Midterm OPAI 2025 held at Courtyard, Royal Orchard Fort Resort , Mussoorie on 10th may 2025.
18. ACOIN PURI 2024 held at Shri Jagannath Medical College & Hospital, Puri, Odisha 27th to 29th September 2024.
19. 40th Asia Pacific Academy of Ophthalmology congress APAO 2025 held in Yashobhoomi New Delhi, India, 3 to 6 April 2025.
20. AIOS 2024
21. Hypospadias Live-operative workshop
22. Hematopoitic stem cell transplant: An update
23. Workshop on Pediatric Asthma
24. National Seminar on Neonatal Hemodynamics
25. Basic Pediatric Bronchoscopy: Hands-on Training
26. Neurophysiological Testing & Analysis: Brainstem Evoked Response Audiometry (BERA) & Cognition (P300)
27. "Sleep Physiology workshop"-Indian Society of Sports and Exercise Medicine
28. Pulmonary Function Testing & Analysis (Spirometry) Workshop
29. Animal Experimental Physiology for research
30. Physiological Effects of BisphenolA and Bisphenol S
31. Animal Experimental Physiology, Rat Smooth Muscle Motility, and Skeletal Muscle Fiber Typing".
32. 2nd International Conference of Indian Society of Sports and Exercise and Sports Medicine-2024 and the associated workshops/CMEs (ISSEMCON-2024)
33. Workshop on Research Methodology
34. Health technology assessment in healthcare
35. A hands-on work Shop on systematic review cost-effectiveness and meta analysis
36. Beast Cancer Awareness program
37. CME on Pulmonary Medicine
38. Haemocon -2024
39. Infectious Disease Update 2024
40. Organising secretary Haemocon -2024
41. One Day Cde Programme On 3d Printing
42. Simple Implantology for Beginners to advanced Workers
43. 2nd International conference of Society of Trauma Anaesthesia and Critical Care at BHU, Varanasi
44. Anti-Ragging Orientation Workshop
45. Study of urinary habits and bladder health awareness and prevention programme
46. Digital Implant Dentistry: A Game Changer
47. Opportunities for Indian Dentist in Australia
48. Surgical Orthodontics – A digital flow
49. "National Seminar on Indigenous Cow, Organic forming and Panchagavya Chikitsa"
50. National Conference on the Physio-Clinical Aspect of Tridosha in Health and Disease"
51. NCT 2024 (National)
52. National Conferences on Tridosha
53. Capacity building Programme on Scientific Writing,Research Integrity & Publication Ethics organized exclusively for Post Graduate Guides
54. Sangyaharan Day
55. National Workshop cum Live Demonstration of Laser therapy on Benign Anorectal Disease & vericose Vein
56. World Meditation Day
57. "National Awareness Campaign Aahaar Kranti 2024 – Uttam Aahaar Uttam Vichar"
58. National workshop on 'Mahila SashaktikaranKeliye Yoga'

Institute of Management Studies

1. Qualitative Techniques for -Management and Social Science Research
2. Workshop on MS Excel
3. SWAYAM Course Development Workshop
4. SWAYAM Regional Outreach Program

Institute of Science

1. Ecosystem Functioning and Sustainability in Changing Environment ESCE-2025
2. Invited lecture: Molecular diagnosis of Haemophilia. Updates on coagulopathy
3. Chaired a session in Varanasi Haematology Update 2024, on Sep 01, 2024, organized by Varanasi Haematology Group Varanasi
4. Workshop on Techniques in Genetic Analysis-I. Workshop on Molecular Genetics LBS PGC, RML University

5. Workshop on Techniques in Genetic Analysis-II LBS
6. Workshop on molecular genetics diagnostic (PCR based)
7. Chromosomal diagnosis in leukaemia's. CBCcon, Apex Hospital, Varanasi
8. ADNAT 2024 (Annual meeting of Association of promotion of DNA fingerprinting and other associated technologies)
9. Art of Science Writing: Inception to Publication
10. International Conference on Artificial intelligence and Computer Vision in Medical Domain
11. 4th International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2024)
12. Workshop on Isotope in Earth science: Basics to applications
13. Geology Day - 2024
14. National workshop on Rare Earth Elements, Rare Metals and Strategic Minerals (REMS-2024)
15. A two-day National Conference on "Viksit Bharat 2047: Strengthening Communities for a Developed Nation through Community Science"
16. National Mathematics Day Symposium 2024
17. One day conference for research Scholars cum Alumni meet
18. National Workshop cum Conference on Structural Analysis of Functional and Energy Storage Materials at the Department of Physics, BHU
19. High Energy Astrophysics Workshop at the Department of Physics, BHU
20. National Workshop cum Conference on Structural Analysis of Functional and Energy Storage Materials
21. XXVIDAE-BRNS High Energy Physics Symposium 2024
22. Science academies' summer school for the differently abled students in physics
23. XXVI DAE-BRNS High Energy Physics Symposium
24. One Day Seminar on Recent Development of Statistical Techniques
25. 42nd Annual Conference of Indian Society for Medical Sciences (ISMS)
26. International Workshop on Reliability Theory and Survival Analysis (IWRTSA-2024)
27. International Workshop on Bayesian Frontiers: Unveiling the Future of Statistical Modeling and Inference
28. International Conference on Recent Developments in the Techniques of Bayesian Paradigm (International)
29. National Seminar on Methodological Challenges & Terminological Issues in the Application of Statistics (NSMCTIAS-2025)
30. International Symposium and Workshop on Recent Trends in Proteomics
31. Integrating Archaeogenetics, Forensics & Multi-omics for Human Health Breakthroughs
32. Recent Advances in Disease Biology & Emerging Therapeutics (International)
33. International Webinar on "Recent Advances &Innovations in Reproductive Health (RAIRH)"
34. Workshop & Hands-on Training on "SERICULTURE", Centre for Integrated Rural Development and Department of Zoology, Banaras Hindu University, Varanasi, (Co-Convener)
35. National Workshop & Hands-on Training on "Molecular Tools and Diagnostics of Agricultural Pests", Department of Agricultural Entomology and Department of Zoology, Banaras Hindu University, Varanasi, (Co-Convener)
36. International Webinar on the topic "Recent Advances & Innovations in Reproductive Health (RAIRH)" as 'Treasurer' on September 20-21, 2024, organized by Department of Zoology, Institute of Science, Banaras Hindu University in collaboration with Indian Society for the Study of Reproduction and Fertility (ISSRF) of Zoology, Banaras Hindu University.
37. International symposium "Recent Advances in Disease Biology and Emerging Therapeutics"
38. Workshop on Drosophila teachers training Workshop

Mahila Mahavidyalaya

1. Career Pathways in English Language and Literature
2. National Seminar on "The Holistic Development of India and Swami Vivekananda"
3. "Kala jagat Aur Mahilaen: Atit , Vartaman Evam Bhabishyat"
4. National Seminar on "Drishya Evam Manch Kalaon ka Sahitya Se Antar Sambandh"
5. National Seminar on "The Holistic Development of India and Swami Vivekananda"
6. National Seminar on "Buddhism: From Enlightment to Empowermend"
7. National Seminar on "कलाजगतऔरमहिलायेअतीतवततमान&भववष्य".
8. तंत्रीबंधनमनुपुरमबंधनम: (Co-Convener) - Organized 3 days' workshop on art of tying Ghungru as Job Opportunity Awareness & Leadership Development
9. Contemporary in Kathak: Interactive lecture & workshop for job start-up opportunity awareness
10. A two-day National Conference on "Viksit Bharat 2047: Strengthening Communities for a Developed Nation through Community Science".
11. Drishya evam Manch Kalaon ka Sahitya se Antaha Sambandh
12. Kashi International Art Workshop and Exhibition
13. ummer Art Workshop
14. Summer Art Workshop
15. Buddhism : From Enlightenment to Empowerment
16. International workshop on Bayesian Frontiers: Unveiling the Future of Statistical Modeling and Inference
17. National Conference on Bridging Health, Environment and Sustainability: Towards a Resilient Future NBHES-2025
18. Organizing Secretary: One-Day Workshop on Fundamental Bioinformatics for Biologists, Department of Bioinformatics, Mahila Mahavidyalaya, Banaras Hindu University, Varanasi,
19. Wordshop on Recent advances in spectroscopic techniques and spectral analysis
20. DAE-BRNS HET Symposium
21. From Ulgulan to Modern India Celebrating the Spirit of Birsa Munda (NATIONAL)
22. Net-zero Emission Technologies for Sustainable Development: Challenges and Opportunities (N0ET-2024)
23. "Hands-on training for Arabidopsis growth facility and transformation for imaging" organised by the Anusandhan National Research Foundation AS co-chair person
24. National Workshop on "Placement opportunities in Data Analysis" organised by the Department of Botany, MMV AS convener
25. Career Counselling Session' for UG students of MMV in collaboration with the University Employment and Guidance Bureau (UEB), BHU
26. "National Workshop on "Placement opportunities in Data Analysis" organised by the Department of Botany, MMV As organizing secretary
27. Three Days Workshop on Panel Data Analysis
28. 59th Annual Conference of the Indian Econometric Society
29. International seminar Premchand ki vishist kriti Rangbhoomi k sau saal me Sikshak Karyakarini and subject specialist ke roop me bhumika nibhayi
30. National seminar Mahamana ka Saanskritik Rastra Chintan
31. National seminar Kala Jagat aur Mahilaaye;Atit,Vartamaan, evam Bhavisya me satrasanchalak k roop me bhumika nibhayi
32. Hindi upanyaaso ki kathabhoomi par national seminar
33. Accelerate Action :Empowering Women & Girl for Equality
34. National workshop on Research with Integrity: Ethical Standards, Plagiarism Prevention, and AI
35. National workshop on Accelerate Action: Empowering Women and Girls for Equality
36. National Seminar on 'Remembering Mahatma Gandhi in the Context of Indian Democracy'
37. One-Day Workshop on Fundamental Bioinformatics for Biologists (National)
38. Organised workshop on Data Science for Empowering Female Researchers – Focused on AI and computational research skills for women

Faculty of Arts

1. International Conference on Stories Matter: (Re) -Thinking Narratives, Aesthetics and Human Values
2. Workshop titled "The Language of Cinema: Exploring Film Theory and Practice,"
3. Workshops: a one week workshop titled "Recent Trends in Research and Methods"
4. National seminar Indian Visual Cultures through Paint, Print and Digital Media: Shifting Patterns and Shaping Possibilities
5. "RevisiterI'IndologieFrancaise à travers les approchesinterculturelles"

6. Indian Languages and World Languages: Translation and Interpretation (International Seminar)
7. Special lectures and translations delivered by Prof. Swati Acharya and Dr. Shrikant Arun Pathak
8. 2-day workshop of German Intercultural and intermediality
9. Special lecture on Kafka in der Kunst von Dilip Ranade by Prof. Rosy Singh, Centre of German Studies, JNU
10. 1st Young Researcher's National Workshop on Indian Literature.
11. Seminar on Skill Communication
12. Seminar of Women Empowerment
13. Bhartiya Bhasha Pariwar: Strengthening India's Linguistic Bonds
14. 13th International Conference of Telugu Linguists' Forum
15. ICPR Overseas Lecture Programme on Five Layers Embodiment and Metaphysics of Food (anna) and Eater (annada) in Upanisads by Prof. ArindamChakrabarti, University of Hawai, USA
16. National Seminar on "क्षमा भाव का मानव जीवन पर प्रभाव"
17. Two-Day National Seminar on "Being, Truth and Ethics: An Interface between Heidegger and Rorty"
18. International Conference on "Coping with the World: Perspectives from Buddhism and Pragmatist Philosophy"
19. One Day National Seminar on "Yoga For Self, Society & Serenity" for the celebration of International Yoga Day 2024
20. Three Day National Seminar on "Problems of Semantics in Nyāya, Mīmāṃsā, Bhartṛhari and W. V. O. Quine's Analytic Philosophy of Language"
21. Impact of Globalization on Telgu Literature

Faculty of Education

1. National Meet cum Workshop on ITEP
2. National seminar on Indian Examination & Evaluation

Faculty of Performing Arts

1. "Bandishon ka saundarya Bodh"
2. Techniques of Presentation
3. "Riyaz Techniques for voice culture"
4. Current trends in performing arts with reference to theory and practices.
5. Building a strong academic profile for the career advancement
6. Artist–Vid. Anuradha Pal- Tabley ke Punjab Gharane ka Vaadan Saundarya
7. Artist–Pt.Sanju Sahai-Pt Ram Sahaijiki Parampara
8. Sea of Peace Meditation
9. Workshop by Students of Gurudev Sri Chinmoy
10. Lec.Demby Pt. Rajendra Prasanna
11. Lec.Demby Pt. Ajay Prasanna
12. 29th International Post Graduate Research Conference (IPRC)- 2024
13. Lecture & Demonstration – National Title: "Classical Dance of India- Chhau" Guru Pt. Shashdhar Acharya
14. Lecture & Demonstration – National Title: "Concepts behind Choreography" Guru Pt. Ashimbandhu Bhattacharya
15. "Praatigya" organised by S.N.A., New Delhi
16. Lecture & Demonstration – National Title: "Somatic Awareness in Performance: Uiting Mind and Body" Shri Piyal Bhattacharya
17. Lecture & Demonstration – National Title: " Wholeness in Performance: A Holistic Approach to Nritya and Natya" Dr. Nandani Ramani
18. 3 Days National Workshop Kathak- Ms. Ishira Parikh Ahamdabad
19. 3 Days National Workshop Bharatanatyam- Ms. Smruti Vaghela Vadodara

Faculty Social Sciences

1. 10th National Conference on "Current Human Resource Management Practices"
2. Capacity Building Programme
3. Two-week Refresher course in Sociology under the aegis of UGC-Malviya Mission Teacher Training Session, B.H.U.
4. 'National workshop on 'Doing Ethnography: From Fieldwork to Thick Description'
5. Three day 'Induction Programme' for newly admitted M.A. in the Department of Sociology
6. Four-day 'Induction Programme' organized for newly admitted B.A. in the Faculty of Social Sciences, B.H.U.
7. Five days National workshop on 'Doing Ethnography: From Fieldwork to Thick Description'
8. Three day 'Induction Programme' for newly admitted M.A. in the Department of Sociology
9. 59th Annual TIES Conference

Faculty of Sanskrit Vidya Dharm Vigyan

1. निगमागमीय चिन्तन में परतत्त्व विमर्श
2. अन्ताराष्ट्रिय संस्कृतसम्मेलन ''ज्ञानमीमांसा''
3. Refresher Course
4. Sanskrit Vidya Workshop
5. Special Lecture of Dr. Prashant Dharmadhikari
6. श्रमण परंपरा में ज्ञान मीमांसा (International) 22-24 Aug, 2024
7. जैन-बौद्ध परंपरा में सर्वज्ञ विमर्श (राष्ट्रीय संगोष्ठी)
8. अलंकारविमर्शः

Faculty of Visual Arts

1. Workshop on Indigo
2. Interactive Seminar on "Art Environment and Sustainable Development" on the occasion of Teacher's Day (Faculty of Visual Arts, BHU).
3. "दृश्य एवं मंच कलाओं का साहित्य से अंतःसम्बन्ध " organized by the Painting Section of Mahila Mahavidyalaya, B.H.U.
4. Workshop on Rajbangshi (Mashan) Painting
5. National Painting Workshop on Banaras Ghat' Its Beauty and Spirituality'
6. Tradition of Nakshi Kantha
7. Foundation to Fantasy, 2 day masterclass on Anatomy and Character Development
8. Voice and Vocal Expression Workhsop
9. Workshop on Foundation of Form- Mastery in Roman & Devnagari Calligraphy

Annexure IV

DEPUTATION

DEPUTATION

Sl. No.	Department	Name of the Faculty Member	Title of Conference/ Seminar/ Symposia etc.	Period of Deputation (dates)
INSTITUTE OF AGRICULTURAL SCIENCES				
Faculty of Agriculture				
1.	Agricultural Economics	Dr. O.P. Singh	84th Annual Conference of Indian Society of Agricultural Economics	11-13 November 2024
3.	Agronomy	Prof. U.P. Singh	ISWS Biennial Conference "Climate-smartWeed Management for Global Food Security	28-30 November 2024
4.		Dr. Pratik Sanodiya	6th International Conference in Hybrid Mode on Innovative and Current Advances in Agriculture & Allied Sciences (ICAAAS-2024), Hanoi, Vietnam.	15-20 July 2024
5.			National Conference on "Maize: A Crop for Food, Feed, Nutritional and Bioenergy Security with Environmental Sustainability" PAU, Ludhiana	23-25 August 2024
6.			International Conference on Environment and Sustainable Development, IESD BHU Varanasi	3-6 February 2025
7.			National seminar on Advanced technologies for productivity and sustainability in agriculture,	10-11 February 2025
8.		Dr. Nikhil Kumar Singh	ISWS Biennial Conference during	28-30 November 2024
9.	Dairy Science & Food Technology	Dr.Tarun Verma	8th National Youth Convention on "New Perspective for Sustainable Agriculture & Livelihood Security"	22-23 August 2024
10.			International Conference on Emerging Paradigm Shifts in Food & Dairy Processing: Advances in Food Safety, Quality, and Sustainability	25-26 October 2024
11.		Dr.Chhaya Goyal	Annual Meet, held at University College Cork, Ireland	10-11 July 2024
12.	Extension Education	Dr. Saikat Maji	National seminar on the "Indian Knowledge System"	
13.		Dr. Sarvesh Kumar	8th National Youth Convention on New Perspective for Sustainable Agriculture and Livelihood Security	
14.			6th International Conference on "Cutting-Edge Solutions in Science- Agriculture, Technology, Engineering and Humanities"	
15.		Dr. Sarvesh Kumar	International Conference on Agriculture and Allied Sciences: Recent Advances and Innovative Approaches for Climate Smart Agriculture	
16.			National Seminar on "Progressive Agriculture-Viksit Bharat: Preparedness for Eastern Region(PAVER-025)"	21-23 February 2025
17.		Dr. Shubhadeep Roy	National Seminar on 'Progressive Agriculture-Vikshit Bharat: Prepardness for Eastern Region' (PAVER 2025)	
18.				
19.	Farm Engineering	Dr Reema sharma	International Conference on Recent Developments in the Techniques of Bayesian Paradigm	6-8 January 2025
20.		Dr. V.K.Chandola	Indian Ecological Society International Conference (IESIC 2024) 2024) on "Transforming Agrifood Systems in the Face of Climate Changes and Energy Transitions"	10-17 November 2024

21.		Prof. R M Singh	58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on "Engineering Innovations for Next-gen Digital Agriculture" and International Symposium on "Agricultural Engineering Education for Aspiring Youth in Transforming Agriculture"	12-14 November 2024
22.		Dr. Vinod Kumar Tripathi	58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on "Engineering Innovations for Next-gen Digital Agriculture" and International Symposium on "Agricultural Engineering Education for Aspiring Youth in Transforming Agriculture"	12-14 November 2024
23.		Dr. Abhishek Singh	58th Annual Convention of Indian Society of Agricultural Engineers (ISAE) on "Engineering Innovations for Next-gen Digital Agriculture" and International Symposium on "Agricultural Engineering Education for Aspiring Youth in Transforming Agriculture"	12-14 November 2024
24.	Genetics and Plant Breeding	Prof. S.K.Singh	State Varietal Sub-Committee meeting at Krishi Bhawan, Lucknow	9 July 2024
25.			State Kharif Meetin 2024 of U.P. at Krishi Bhawan, Lucknow	27 May 2024
26.		Dr. Jayasudha S.	6th International Conference on Innovative and Current Advances in Agriculture and Allied Sciences (ICAAAS-2024) held at Cong Doan Vietnam Hotel, Hanoi, Vietnam.	15-20 July 2024
27.			21 days Summer School in online mode on "Emerging Challenges and Opportunities in Biotic and A biotic Stress Management" (ECOBASM-2024)	10-30 August 2024
28.		Dr. Kumari Shikha	13th National Seed Congress (NSC) 2024	28-30 November 2024
29.		Dr.Kartikeya Srivastava	"Innovative Technologies for Research and Development for Sustainable Production of Cotton, Oilseeds and Fibre Crops"	13-15 November 2024
30.	Horticulture	Dr. Kalyan Barman	Training program on 'Nurturing Future Leadership Program (NFLP)'	3-7 June 2024
31.	Mycology & Plant Pathology	Ram Chandra	National conference on frontier in science & sustainability: innovation in research for Viksit Bharat	10-11 March 2025
32.		Prof. Birinchi Kumar Sarma	Advances in Medicinal & Aromatic Plant Research in the Context of the Indian Ocean Region (Ensuring Trade, Sustainability, and Global Transformation)	5-6 February 2025
33.			Plant Microbes Interaction for Sustainable Agriculture and Food Security	3-4 January 2025
34.		Prof. S. S. Vaish	20th International Plant Protection Congress (XXIPPC 2024) held at Athens, Greece	1-5 July 2024
35.		Vinod Kumar S	National symposium on "Challenges in plant sciences to unravel climate smart agriculture" Organized by SRM College of Agricultural Sciences	21 March 2025
36.	Plant Physiology	Dr. Savita Jangde	International conference – 2024, emerging paradi shifts in food & dairy Processing: Advances in food safety, quality &	25-26 October 2024

			sustainability	
Faculty of Veterinary and Animal Sciences				
37.	Animal Genetics and Breeding	Dr. Vineeth M. R	National Conference on "New Vistas in Harnessing Genetic Resources for Sustainable Animal Production" at Bihar Veterinary College, Bihar Animal Sciences University, Patna	21-22 November 2024
38.			National Symposium On Technological Advancement and Their Application for Management of Native Animal Genetic Resources (AnGR) at Department of Animal Genetics and Breeding, Veterinary College, KVAFSU, Bengaluru	21-22 January 2025
39.	Livestock Product Technology	Dr. Dipanwita Bhattacharya	Translating one health into action in combating emerging diseases, drug resistant and ensuring food safety under changing climatic scenario.	20-21 February 2025
40.		Dr. Saurabh Karunamay	National symposium on Futuristic approaches for animal health, management and welfare: Challenges and Opportunity	29-30 November 2024
41.	Veterinary Physiology & Biochemistry	Dr. Pavan Kumar Yadav	"Unlocking the Potential of Veterinary Biochemistry and Biotechnology for Food and Nutrition Security" (SVBBICON-2024)	20-21 December 2024
42.		Dr. Thulasiraman P.	Fifth Science Conclave-cum-NBRCOM 2024 organized by AIIMS-Delhi & JNU-Delhi.	2-3 December 2024
43.			XXXII Annual Conference & International Symposium on "Advances in Physiological Research in Omics Era for Sustainable Animal Production & Livelihood Security under the Changing Climatic Scenario," organized by ICAR-Central Institute for Research on Cattle (ICAR-CIRC), Meerut, & SAPI	
44.		Dr. Mayukh Ghosh	Annual Conference of the Society of One Health Biochemists and National Symposium on 'Biochemistry in One Health'"to be organized by Department of Veterinary Biochemistry,Nagpur Veterinary College, Nagpur in collaboration with the Society of One Health Biochemists	
45.	Veterinary Public Health & Epidemiology	Dr. Kaushik Satyaprakash	International Conference on Environment and Sustainable Development (ICESD-2025)	3-6 February 2025
46.	Animal Nutrition	Dr. Mahipal Choubey	International Conference On "*Emerging paradigm Shifts in food & dairy Processing: advances in Food safety, quality & Sustainability*"	25-26 October 2024
47.	Veterinary Pharmacology and Toxicology	Prof. Shahid Prawez	Attended 24th Annual Conference of ISVPT & National Symposia on 'Translational Approaches to mitigate the challenges of Antimicrobial resistance' & 'Innovations to strengthen the Environmental safety through Bioremediation' at Dept. Of VPT, DUVASU, Mathura from 19th to 21st Nov., 2024	18-23 November 2024
48.	Veterinary Anatomy	Dr. Jigyasa Rana	Bridging the Gap: Veterinary and Human Oncology in concert to improved health	21 August 2024
49.			Expanding Veterinary Profession in India: Growth and Challenges for Animal Health and Production Scientists for Robust Livestock Economy and Farmers' Welfare	7-8 February 2025
50.	Veterinary Parasitology	Dr. (Major) K. Kundu	33rd NCVP and National Symposium on "Innovations in parasite control strategies for	17-19 December 2024

			upliftment of human and animal health"	
51.	Veterinary Gynaecology & Obstetrics	Dr. Sanjay Kumar Ravi	National Symposium cum Alumni Meet 2024 on "Futuristic approaches for Animal Health, Management and Welfare: Challenges and Opportunities" organized by College of Veterinary Sciences and Animal Husbandry, Birsa Agricultural University, Ranchi, Jharkhand on	29-30 November 2024
52.		Dr.Balamurugan	National Symposium on Challenges in Enhancing Reproductive Efficiency of Livestock: An Indian Perspective at College of Veterinary Science, GADVASU, Ludhiana, Punjab.	29 November to 1 December 2024
53.	Veterinary Clinical Complex	Dr. Priya Ranjan Kumar	National symposium on futuristic approach for animal health, management and welfare: Challenges and opportunity and alumni meet	29-30 November 2024
INSTITUTE OF MEDICAL SCIENCES				
Faculty of Medicine				
54.	Anatomy	Dr. Soumya Khanna	SOCACON 2024 from 5-6th April 2024	5-6th April 2024
55.			71st National conference of anatomical society of india	21 -24 November 2024
56.	Anatomy	Dr. Kapil Kumar Malviya	12th International conference of Society of Clinical Anatomists, Pune	5th to 6thApril 2024
57.	Cardiology	Prof. Vikas Agrawal	TCT 2024, Washington, USA	27/10/2024 – 30/10/2024
58.		Dr. Soumik Ghosh	TCT 2024, Washington USA	27/10/2024- 30/10/2024
59.	Endocrinology	Dr Ritesh Kumar	ESICON 2024	7-10 November 2024
60.	Forensic Medicine	Dr. Mayank Gupta	PAFMATCON 2024-25	21-22 March, 2025
61.		Dr. Deepa Durga Roy	BCME at MEU, Regional centre, BHU	09.1.25-11.1.25
62.			CISP at MEU, Regional centre, BHU	07.4.25-09.4.25
63.			ACME at MEU, Nodal Centre, KGMU	28.7.25-1.8.25
64.	Surgery	Prof. S.K. Gupta	11th Annual Conference of Association of Breast Surgeons of India	
65.			MEDUCON	
66.		Prof. Seema Khanna	UPMASICON-2023	24th -25th June, 2023
67.			ASIRAJ 2023, Ajmer	23rd -24th August 2023
68.		Prof. S.K. Bhartiya	TRAUMA-2023	
69.			ECCMID 2024 (34th European Congress of Clinical Microbiology and Infectious Diseases). Basel, Switzerland.	
70.			WTC 2023 Tokyo, Japan.	9-12 Aug., 2023
71.			Young HSICON- 2023, Ahamadabad.	2-3 June, 2023
72.			IHSCON- 2023	
73.		Prof. R.N. Meena	UPMASICON-2024	30 August -1 Sept.2024
74.		Dr Shashi Prakash Mishra	STACC 23 Singapore	October 5-6, 2023
75.		Dr. Arvind Pratap	WOUNDCON – 2023	November 24 – 26, 2023
76.		Dr Vivek Kumar Katiyar	13th Annual Conference "TRAUMA 2023 Indian Society for Trauma & Acute Care (ISTAC) at	23rd to 25th Nov 2023

			Pune	
77.		Dr. Vipul Kumar Srivastava	IHPBA 2025	22-24 March 2025
78.	Geriatric Medicine	Anup Singh	FFN Istanbul, Turkey	0ct 9-12 2024
79.	Obstetrics & Gynecology	Prof. Sangeeta Rai	Haryana GynaeEnofest 2024	April, 27 & 28 2024
80.		Dr. Shuchi Jain	AICOG Hyderabad	January 2024
81.		Dr. Mamta	AICOG 2024	2024
82.	Ophthalmology	Dr. R.P Maurya	16th Annual conference of OTSI(Ocular Trauma Society of India), Kashi-Ophthal Traumacon-2024	14th–15th December 2024
83.			10th Midterm OPAI 2025	10th may 2025
84.			ACOIN PURI 2024	27th to 29th September 2024.
85.			40th Asia Pacific Academy of Ophthalmology congress APAO 2025.(Symposium of APOTS Ophthalmic Trauma Session , In the eye of the storm : Challenging cases in Ophthalmic trauma)	3 to 6 April 2025
86.	Paediatrics	Dr. Aalok Kumar	AIOS	25.10.24
87.		Prof. Sarita	49th Annual conference of Indian Association of Pediatric Surgeons (IAPSCON2023)	2-5 November 2023
88.		Prof. Vaibhav Pandey	PESICON 2024	7-10 March 2024
89.		Dr. Ruchira	PESICON 2024	7-10 March 2024
90.			SGPGI Pediatric EHPVOCON-2024	29-30th MARCH 2024
91.			IAGES 2024	1-4 Feb 2024
92.		Prof. Sunil Kumar Rao	WFPICCS 2024	1-5th June 2024
93.		Dr. Priyanka Aggarwal	EHA 2024	13-16 June 2024
94.	Physiology	Rakesh Verma	International conference on Pharmaceutics and Drug Delivery Systems [Genvio Group, USA]	26 and 27 Nov 2024.
95.		Ratna Pandey	10th FIPS ASSOPICON held at AIIMS , Patna	24-26th October 2024
96.		Prof. Priyanka Bhagat	FIPS-ASSOPICON 2024 at AIIMS Patna	5days
97.		Dr Ashish Kumar Gupta	'11th Congress of the Asian Sleep Research Society', February 8-9, 2025 in New Delhi, India.	2 days
98.		Dr Parul Sharma	WCC-2024, the 10th World Congress on Chrono Medicine, held on 29th, 30th November, and 1st December 2024 at Rajashri Dashrath Autonomous State Medical College, Ayodhya, Uttar Pradesh, India, organized by the Indian Society of Chrono Medicine.	2 days
99.		Dr. Hanjabam Barun Sharma	45th National Conference of Indian Association of Sports Medicine, 2025 (IASMCON 2025), organized by DY Patil University, Nerul, Navi Mumbai, 1st to 2nd March 2025	Duty Leave: 1st March 2025 (1day)
100.	Radio-diagnosis & Imaging	Dr. Shivi Jain	Midterm BISICON 2025	29th-30th March 2025
101.	Radiotherapy & Radiation Medicine	Dr. Lalit Mohan Aggarwal	7th INTERNATIONAL MEDICAL OLYMPIAD CONFERENCE ON Global Health: Emerging Trends and Future Challenges. November 15– 17, 2024, Panjab University, Chandigarh	November 15– 17, 2024
102.			Annual Meeting of the American Association of Physicists in Medicine (AAPM) Los Angeles, CA (USA) July 21 – July 25, 2024	July 21 – July 25, 2024
103.			National Conference PARACON-2024, Saifai	

104.			Annual conference of Association of Medical Physicists of India-Northern Chapter, 2024, New Delhi	
105.		Dr. Abhijit Mandal	AMPICON-2024, Hyderabad	8-10 November,2024
106.	Surgical Oncology	Dr. Tarun Kumar	BREASTANBUL, Istanbul (Turkey)	October 2024
107.	Urology	Prof Sameer Trivedi	Urological Association of Asia in Bali, Indonesia	07.09.24
108.			USICON 2024, Patna– Presented poster	29 November -01 December 2024
109.			European Urology Conference at Madrid, Spain	21-24 Mar 2025
110.		Dr. Yashasvi Singh	5th Youth Conclave at JPAC Auditorium, MPUH, Nadiad.	03.08.2024 to 04.08.2024
111.			The 21st Urological Association of ASIA Congress, Bali, Indonesia	05.09.2024 to 08.09.2024
112.			ITQAN- Clinical Simulation and Innovation Centre, Qatar (The Urological Society of India (USI) & Arab Association of Urology (AAU), QATAR	Nov 21, 2024.
113.			NZUSI' 2024, Gurugram	29.11.2024 to 30.11.2024
114.		Dr Ujwal Kumar	VEINCON 2024	9 – 10 November 2024
115.			YOU Conclave 2024, Nadiad.	3-4 August 2024
116.			Symposium on "Wound Healing and Tissue Regeneration at Indian Institute of Technology (BHU), Varanasi,	25th March, 2025.
117.			SIU 2024 in Delhi.	23-26 October 2024
118.	Biochemistry	Prof Kamlesh Palandurkar	Diagnoshere Vapi	January 2024
119.			Recent Trends in Lab Practises	November 2024
120.			NBEMS Bio-Chemistry webinar	April 2024
121.			NBEMS Bio-Chemistry webinar	June 2024
122.	Medicine	Prof. Jaya Chakravarty	European Society of Clinical Microbiology and Infectious Diseases (ESCMID)	11th – 15th April 2025 in Vienna, Austria
123.		Dr Abhishek Pandey	ESICON -2024	Nov 7-10, 2024
Faculty of Dental Sciences				
124.	Dentistry	Dr Sheetal Badnaware	International Vital Pulp Therapy Symposium	21st To 22nd Feb 2025
125.		Dr H C Baranwal	International Vital Pulp Therapy Symposium	21st To 22nd Feb 2025i
126.			IACDE National Conference 2024 held	28th to 1st December 2024
127.		Dr Adit	35th National Conference ofIAOMR-2024 – Mangalore	22/11/2024 – 24/11/2024
128.		Dr Mahesh Khairnar	1st International & 28th National IAPHD Conference, Bangkok, Thailand	12-15 September 2024
129.		Dr P G Naveen Kumar	1st International & 28th National IAPHD Conference, Bangkok, Thailand	12-15 September 2024
130.		Dr Romesh Soni	XIII International congress of academy of oral implantology-2024	23rd -25th August 2024
131.		Dr Vipul Kumar Sharma	58th IOC Bengalore	20th-22nd September 2024
132.		Dr Monika Bansal	48th National conference of Indian society of	15 to 18 oct 2024

			Periodontology	
133.		Dr Akhilesh Singh	48th AOMSI Annual Conference at Kolkata	12-14 Dec 2024
134.		Dr T. P. Chaturvedi	58th Indian Orthodontic Conference 2024 at Bengluru	20th to 22nd September 2024
135.			46th IDA UP State Dental Conference 2024 at Greater Noida	15th to 17th November 2024
136.			75th Indian Dental Conference 2025 at Chennai	7th to 9th February 2025
137.		Dr Preeti Tiwari	16th Asian congress of oral and maxillofacial surgeons	25-27/07/2024
INSTITUTE OF SCIENCE				
Faculty of Science				
138.	Biochemistry	Prof.Rakesh K Singh	Bioinformatics and Biological Research organized by UGC-Malaviya Mission Teacher Training Centre (MMTTC), Central University of South Bihar (CUSB), Gaya, India.	March 28, 2025
139.	Botany	N Ghoshal	International conference on "Biodiversity, Agroforestry, Non-Wood Forest Products and Sustainable Livelihood" (ICBANS 2024) organized at Kota Kinabalu, Malaysia.	16 to 21 October 2024
140.		RN Kharwar	Recent Advances in Fungal Diversity and Agro-Biotechnology	Warud, Amravati on 20th Sept, 2024
141.			Recent Trends in Plant and Microbial Sciences	21st Sept, 2024
142.			One-day workshop on Mushroom Technology	1st October, 2024
143.			Induction Programme at Ayurveda Faculty	21-11-2024
144.			Fungal Frontiers: Biodiversity, Biomolecules and Bioengineering Applications for Sustainable Perspectives	27-29 Nov, 2024
145.			Advances and Perspectives in Cryptogam Research	09-11 December, 2024
146.			BIO3 Biotechnology, Biomanufacturing & Bioeconomy	March 20-22, 2025
147.		Rajan Kumar Gupta	International Conference in Kota Kinabalu, Malaysia 18 – 19Oct. 2024	16 – 21 Oct. 2024
148.		Dr. Deepak Kumar	45th Annual Meeting of Plant Tissue Culture Association (India) and National Symposium on Recent Advances in Plant Biotechnology – 2024	24th -26th February 2025.
149.			8th International Conference on Plant Growth-Promoting Rhizobacteria (PGPR) for Sustainable Agriculture, held in Tainan, Taiwan during	September 24-27, 2024
150.		Dr. Shailendra Pratap Singh	International conference 'Developments in Plant Biology & Biotechnology (ICDPPB-2025), University of Hyderabad	29-31 Jan 2025
151.			12th International Conference on Photosynthesis and Hydrogen Energy Research for Sustainability, Istanbul, Turkey 2024	13-19 Oct. 2024
152.			18th International Phytotechnology Conference, Calicut, Kerala 2024	22-24 Oct. 2024
153.		R K Sharma	12th International Conference on Advances in Environmental Research at Osaka, Japan	January 16-21, 2025
154.			5th World Environment Summit organized by ESDA at New Delhi, India	November 15-19, 2024
155.		Dr. Anita Singh	International Conference on Ecology, Environment and Sustainable Development at	12-15 Nov. 2024

			Tashkend, Ujbekistan,	
156.		Dr. Prashant Singh-II	National Conference on "BIO3: Biotechnology, Bio-manufacturing and Bio-economy organized by Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala	20-22 March, 2025
157.	Centre for Genetic Disorder	Dr Chandana Basu	First Women in Biology conference held in Telangana Mahila Vishwavidyalayam	15-16 March 2025
158.	Chemistry	Debanjan Guin	State-of-the-Art Approaches for Emerging Pollutant Analysis in Water Systems	
159.			International Conference on Multi-disciplinary Perspective in Science & Humanities Recent Trends & Innovation (ICMPSH - 2025)	
160.		Dr Jay Singh	International Seminar on Prospects, Challenges and Pathway to Achieve Sustainable Development Goals (PCPSDG)" "organized by the School of Science U-P. Rajarshi Tandon Open University, Prayagraj collaboration with the Department of Mathematics and Statistics, Sam Higginbottom University of Agriculture Technology and Science, Prayagraj,	Nov 14, 2024
161.		Prof. S. Bhattacharya	International Conference on Modern Trends in Inorganic Chemistry	
162.		Krishna Nand Singh	Organic Chemistry Symposium (OCS-2024)	
163.			30th ISCB International Conference (ISCBC 2025)	
164.		Dr. Monalisa Pal	35th mid meeting of Indian Academy of Science held during 28 – 29 June, 2024 in the Ground Floor Auditorium, Biological Sciences Building, Indian Institute of Science, Bengaluru.	
165.			DAE-BRNS 10th Interdisciplinary Symposium on Materials Chemistry (ISMC-2024) held at DAE-Convention Centre, Anushaktinagar, Bhabha Atomic Research Centre, Mumbai, during.	Dec 4-7, 2024
166.			international conference '2nd International Conference on Low-Energy Digital Devices and Computing (ICLED 2024)'held during, at the Lecture Theatre, 301 NTU Alumni @ One North in Singapore	August 1st to 4th, 202
167.		Prof. Kalluri VS Ranganath	Emerging Multi-Functional Materials and Devices For Sustainable Technologies	
168.	Computer Science	Anshul Verma	16th International Conference on Intelligent Human Computer Interaction (IHCI-2024)	13-15 November 2024
169.	Geology	Dr. Oinam Kingson Singh	Frontiers in Geosciences Research Conference (FGRC)-2025" organised by Physical Research Laboratory, Ahmedabad, India during 5-7 Feb, 2025	5-7 Feb, 2025
170.		Dr. Dinesh Kumar Naik	Indian Geophysical Union, 61st Annual Convention	3-5 December 2024
171.		Dr. Shamim Ahmad Dar	40th convention of Indian Association of Sedimentologists & National Conference on an odyssey of sedimentology from Precambrian to Anthropocene: Significant contributions in environmental climatic and energy research	11th to 15th December, 2024
172.	Geophysics	Manoj Kumar Srivastava	American Geophysical Union Meeting, December	December 9-13,

			9-13, 2024, Washington DC, US	2024
173.			IGBP, ARFI and NOBLE Workshop	June 37-28, 2024
174.		Prof. Uma Shankar	Emerging Trends in Earth Sciences: Geohazards and Resource Management", ETES-2024	27-29 September 2024
175.		Dr. Subhadeep Halder (Oral Presentation)	National conference on Emerging Trends in Earth Sciences: Geohazards and Resource Management (ETES) 2024, Department of Applied Geophysics, IIT-ISM Dhanbad, on 27 September 2024	26-27 September 2024
176.		Dr. Subhadeep Halder	IGU 61st Annual Convention, IESD & Dept. of Geophysics, BHU on 4 December, 2024	3-5 December 2024
177.	Home Science	Dr. Prashansa Sharma	ICSSR Sponsored National Seminar on Sustainable Development: Global Problems, Local Solutions	28-29 September 2024
178.	Mathematics	Prof. Mukut Mani Tripathi	The International Conference on Nonlinear Applied Analysis and Optimization, NIT Hamirpur, Himachal Pradesh	October 17 -19, 2024
179.			7th International Conference on Frontiers in Industrial and Applied Mathematics, Central University of Punjab, Bathinda, Punjab, India	November 13-14, 2024
180.			XXXI th International Conference of International Academy of Physical Sciences, Pt. Ravishankar Shukla University, Raipur	December 20-21, 2024
181.			Two-Day National Seminar on Mathematics in 21st Century Theory and Applications	April 26-27, 2024
182.		Dr. Akhilesh Yadav	Emerging Frontiers in Mathematical and Computational Sciences (EFMCS-2024)	22-10-2024 to 28-10-2024
183.			International Conference on Fractional Calculus and Applications (ICFCA)	24-12-2024 to 01-01-2025
184.		Vivek Laha	French-German-Spanish Conference on Optimization 2024, University of Oviedo, Gijon, Spain	June 18-21, 2024
185.			International Conference on Computational Operations Research and Algorithmic Game Theory, ISI Delhi	January 21-23, 2025
186.		Shibsankar Das	National Symposium on Mathematics and Applications organized by the Department of Mathematics, IIT Madras	December 22, 2024
187.			5th International Conference on Mathematical, Engineering and Management Sciences organized by School of Advanced Engineering, UPES, Energy Acres,	December 13-14, 2024
188.		Kanailal Mahato	International conference on Mathematics and its applications	Nil (Attended online)
189.			4th International conference on Mathematics and Statistics	Feb 20-22, 2025
190.		Anupam Priyadarshi	International Conference on Fractional Calculus and Applications (ICFCA) during December 26-30, 2024, in Sousse, Tunisia.	26-30 December 2024
191.		Buddhadev Pal	International Conference on Emerging Frontiers in Mathematical and computational Sciences	24-26 October, 2024
192.			International Conference on Fractional Calculus and Applications	26-30 December, 2024
193.		Jitendra Singh	The International Conference on Fractional Calculus and Applications, during December 26-30, 2024, at Sousse, Tunisia. (Africa)	December 24, 2024,to January 01, 2025.

194.	Physics	Dr. Abhay Kumar Singh	45th Scientific Assembly COSPAR-2024, Busan, South Korea	12-22 July, 2024
195.			8th Annual Conference of the Division of Plasma Physics of the Association of Asia Pacific Physics Society (AAPPS-DPP2024). Malacca, Malaysia	4-7 November, 2024
196.			Aditya-L1 Data Release and Payload Performance Appraisal Meet, ISRO Headquarters, Bangalore	6 January, 2025
197.		Dr. Jayeeta Lahiri	International Conference on Frontiers in Ceramic Materials (ICFCM 2024), IIT (BHU) Varanasi,	15th-18th December2024
198.			Women in Optics and Photonics in India-Asia Conference (WOPI 2024), IIT Bombay, December 6th -8th 2024.	6th-8th December2024.
199.			Frontiers in Physics (FIP 2024), University of Hyderabad, 27th-28thSeptember 2024	27th -28th September 2024
200.		Prof. B.P.Mandal	PHHQP21, Chania, Greece	September 22-27, 2024
201.		Dr. Ajay Kumar	International Seminar on Interaction of Neutrons with Nuclei (ISINN-30), Egypt	April 17, 2024.
202.			Workshop on Physics with Recoil Separators and Large Neutron Array (PRSLNA-24) Inter-University Accelerator Centre (IUAC), New Delhi,	May 20-22, 2024.
203.			DAE-BRNS 1st National Conference on Pulsed Power Science Technology & Applications (PPSTA-2024), Bhabha Atomic Research Centre (BARC), Visakhapatnam	September 13, 2024
204.			International Conference on Nuclear Physics and Applications (ICNPA-2024), Universityof Delhi	October 21-25, 2024
205.		Dr. Vimal Kishore	Symposium on Physics of Complex System	May 18, 2024
206.			National conference on Recent scenario of science and technology for sustainable development	6th April, 2024
207.			National conference on recent trends in Physics, Organised by Sri Shankar college, Sasaram, Bihar,	11 March, 2024
208.		Sangeeta Rani Ujjwal	National conference on nonlinear systems dynamics (CNSD-2025) held at Bharthidasan University, Trichy	March 10-13, 2025
209.	Biotechnology	Prof. Arvind Kumar	Participated and delivered talk in "Nalanda Vigyan Sammelan-2025, Organized by Vigyan Bharti, Bihar in collaboration with Nalanda Open University, on 'Indian Knowledge System and Contemporary Sciences".	28th Feb to 1st March 2025
210.			Participated in Refresher course in life sciences at Patna University Patna Bihar	03/09/2024
211.		Sowjanya Sree Kandregula	7th ICDRA	11-17 November, 2024
212.		Dr. Debashish Dey	International Conference on Developments in Plant Biology and Biotechnology (ICDPBB 2025) & 16th Plant Sciences Colloquium,at University of Hyderabad.	Jan 29-31, 2025.
213.			National Conference cum Workshop"Cultivating the Future: Advances in Plant Science and Biotechnology for sustainability-2025" at CTUAP Vizianagaram.	February27-28th, 2025
214.			Refresher Course on 'Crop Improvement: from Breeding to Genome Editing'	3rd to 7th March 2025.

215.		Dr. Samarendra Kumar Singh	HABIT-2025 International Conference	29 February-1 March, 2025
216.			44th Annual Meeting of the Indian Association for Cancer Research and International Conference on Convergence of Fundamental and Translational Approaches in Cancer Therapeutics	16-18 January 2025
217.			International Conference on Advances in Biotechnology and Bioinformatics	November 23-25 2024
218.	Statistics	Prof. Brijesh P. Singh	6th Asian Population Association (APA) conference at Kathmandu, Nepal	November 27-30, 2024.
219.			IASP Conference 2024, JNU, New Delhi	December 12-14, 2024
220.			National Conference on Time Series, Analytics and Recent Advances in Statistical Modeling (NCTAS-2025) at Central University of Rajasthan.	February 10-11, 2025
221.			World population Day, Department of Statistics, MGKVP, Varanasi	July 11, 2025
222.		Prof. Piyush Kant Rai	National Seminar on Recent Advances in Statistical Theory and Applications (in honour of Contributions of C.R. Rao in Statistics)	September 24, 2024
223.			IASP Conference 2024, JNU, New Delhi	December 12-14, 2024
224.			National Conference on Time Series, Analytics and Recent Advances in Statistical Modeling (NCTAS-2025) at Central University of Rajasthan.	February 10-11, 2025
225.			World population Day, Department of Statistics, MGKVP, Varanasi	July 11, 2025
226.		Prof. Abhay Kumar Tiwari	45th Annual Conference of the Indian Association for the Study of Population (IASP)	12-14 December, 2024
227.			6th Asian Population Association Conference, Kathmandu	27-30 November, 2024
228.		Prof. Alok Kumar	World Congress of Epidemiology held in Cape Town, South Africa	September 23-28, 2024
229.		Dr. Vikas Kumar Sharma	2024 IISA Conference, Cochin University of Science and Technology	Dec 27 - Dec 31, 2024
230.			Bernoulli-ims 11th World Congress in Probability and Statistics Bochum, Germany	August 12-16, 2024
231.		Prof M. Singaravel	11th Asian Sleep Research Society Congress & 8th Asian Forum on Chronobiology	07.02.2025 - 10.02.2025
232.		Prof. Rajnikant Mishra	International Conference on the Advances in Mechanisms and Approaches to neuro-Therapeutics (AIM-AT)&The XLII Annual Meeting of the Indian Academy of Neurosciences (IAN)	12.11.2024 – 14.11.2024
233.	Zoology	Prof Gyaneshwer Chaubey	BSSF: RIS-2025	January 2025
234.		Prof. Radha Chaube	National Conference on Recent trends in Environmental pollution and health (NCRTEPH-2024)	November 28-29, 2024,
235.			National Conference on Frontiers in Science and Sustainability Innovations in Research for vikshit Bharat	10-11 March, 2025
236.			An International Conference on Advances in Mechanisms and Approaches to Neuro-therapeutics (AIM-AT) and XLII Annual meeting of Indian Academy of Neurosciences	November11-14, 2024
237.			International Conference on Endocrinology,	October 22 to 25,

			Metabolism, and Reproduction: Exploring New Frontiers	2024
238.			International Conference on Reproductive Biomedicine: Integrating Basic biological and applied Research into clinical practice for Human welfare and 35th Annual Meeting of the Indian Society for the study of Reproduction and fertility	14-16th February, 2025
239.			International conference on Biotechnological Applications Ayurveda and Biomedical Sciences and Annual Meeting of Society for Biotechnologists India	30th March-1st April, 2025
240.			International conference -Fisheries Biotechnology, ICFB-2025	March 17-18, 2025
241.		Dr. Raghav Kumar Mishra	International Conference on Endocrinology, Metabolism, and Reproduction: Exploring New Frontiers	22-25 October, 2024
242.		Dr. Rakesh Verma	International Conference on Reproductive Sciences and Molecular Medicine: Innovations in Therapeutics and Technologies (SRBCE-2024), New Delhi.	15/11/2024-17/11/2024
243.			International Conference on Reproductive Biomedicine: Integrating Basic Biological and Applied Research into Clinical Practice for Human Welfare (ISSRF-2025), Jaipur.	14/02/2025-16/02/2025
244.		Dr. Bhupendra Kumar	International Conference "ZoologyCon 2024" held at University of Bucharest, Bucharest, Romania	04th – 10th November 2024
245.		Dr. Sanjeev Kumar Yadav	International Chronobiology Summer School 2024, Nagoya, Japan	5-8 August, 2024,
246.		Dr Akhilendra Kumar Maurya	International Symposium on Mitochondria, Cell death and Human Diseases: Frontiers in Cancer Research, Jawaharlal Nehru University, New Delhi	17 - 18 February 2025
247.		Dr. Subhankar Dolai,	BAW 2025: Frontiers in Disease Biology Conference, IISER Kolkata (27th June 2025 to 1st July 2025)	26th June 2025 to 2nd July 2025
248.		Dr. Gaurav K Pandey	Frontiers of DNA and Chromatin Dynamics (FDCD) at IISER-Pune	7th-9th June 2024
Institute of Management Studies				
Faculty of Management Studies				
249.	Management	Dr. (MRS) Shashi Srivastava	Sustainable Management Practices	05.04.2024
250.			Management Education Research Colloquium (MERC), 2024, IIM, Kashipur	31.05.2024-2.06.2024
251.			SUSCON XI at IIM Shillong.	21-23.11. 2024
252.		Dr.Anandita Chakraborty	SUSCON organized by IIM Shillong.	21-23.11. 2024
253.		Prof. Amit Gautam	12th International Conference on Happiness and Wellbeing Amidst Polycrisis, organised by School of Management Sciences, Varanasi	1st March to 2nd March, 2025
254.		Dr Ashutosh Mohan	IIFT National Conference	26-27.9.2024
255.			GIZ India Strategy and Planning Workshop	30-31 May, 2024
256.			Nurturing Future Leadership Program (NFLP), MoE, GoI	23 – 27 March, 2025
FACULTY OF PERFORMING ARTS				
257.	Vocal Music	Prof. K. Sashi Kumar	Ethnomusicology, USA.	17th Oct. 2024
258.			International Research Conference on Multidisciplinary Studies and Education	21.10.2024 to 22.10.2024

259.		Dr. Ramshankar	Faculty of Dance and Drama, University of Visual and Performing arts, Colombo, Srilanka	20-21 March 2025
260.		Dr. G.C. Pandey	Global Hindi excellence summit, Singapore	28/09/24 to 29/09/24
261.		Dr. K.A.Chanchal	International Research Conference on Multidisciplinary Studies and Education	21.10.2024 to 28.10.2024
262.			Global Health Challenges and perspective of AYUSH MEDA AYUR YOGA PEETHA- Mauritius. 08.04.2025 to 14.04.2025	08.03.2025 to 13.03.2025
263.			Kala Dharohar Sangeet Natak Academy, New Delhi	11,12.09.2024
264.		Dr Madhumita Bhattacharya	I PAC Faculty of dance And drama of the University of the Visual and Oral tradition and expression of Indian Classical Vocal Music	20-21 March 2025
265.	Instrumental Music	Dr. Nikhil Bhagat	CREATIVE -2025	25.02.2025
266.			Current trends in performing arts: with reference to theory and practice	06.02.2025
267.			International Performing Arts Conference (Colombo Srilanka)	20.03.2025
268.	Dance	Dr. Vidhi Nagar	Observer in International Dance Seminar, Sangeet Natak Academy, Delhi	16-20 October 2024
269.				
FACULTY OF ARTS				
270.	English	Krishna Mohan Pandey	National Seminar on **"**The Idea of Ram in Folk Literature" organised by K.S. S. P. G. College, Ayodhya	29-30 March 2025
271.			Refresher Course in English organised by the UGC-HRDC, Kurukshetra University, Kurukshetra	04 to February 17, 2025
272.			2nd International Conference on **"**Humanities and Beyond the Humanities: A Critical Approach to Language, Literature, Media and Management Studies" at VIT, Bhopal.	21-22 November 2024
273.		Anita Singh	Conference titled "Unpacking Gender Issues in the Context of a Sustainable Future" Organized by Women's Studies Research Centre, University of Calcutta,	17- 18 March 2025
274.			Workshop titled, 'Gender & Performance' at the Institute of English Studies and Research (AIESR), Amity University Patna on	26th August 2024
275.		M.K. Pandey	Workshop on "Future of Hindi and Hindi of Future" organised by Department of South Asian Studies, University of Venice, Venice,	25 November 2024.
276.		J S Jha	67th All India English Teachers Conference,09-11 December 2024,Department of English, Gujarat University Ahmedabad Conference	09-11 December 2024
277.			Conference on "The Synthetic Mode of Life" at the Department of English, L N M U Darbhanga	19-07-2024
278.		Devendra Kumar	Refresher Course at Kurukshetra University, Kurukshetra	15 February 2025
279.			Refresher Course at Panjab University, Chandigarh	19 December 2024
280.			Ethnographic film "Jakari: Life-Songs of Haryanavi Women" at Department of English and Cultural Studies, PU, Chandigarh	2 December 2024
281.			National Seminar on "Transitions in Folklore and Folklore Studies" organised by the Department of	30 November 2024

			English and Cultural Studies, Panjab University, Chandigarh.	
282.		Arti Nirmal	Resource Person: "Academic Writing: Planning, Preparation and Publication". UGC-MMTTC-MMAUU, Hyderabad	28/02/2025
283.			Resource Person: "Folk Tradition and Ecological Feminism". UGC-MMTTC-JNU,	28/08/2024
284.			Ecofeminism and Indian Knowledge System: Key Perspectives"	14 June 2024
285.			Resource Person: "Ecofeminism and Indian Knowledge System". National Seminar on Implementation of Indian Knowledge System (IKS) in Contemporary Legal Education, University of Delhi,	19-20 April 2024
286.	German Studies	Dr. Chiinngaihkim Guite	Presented a paper on Rethinking Hoffmann's The Sandman through the lens of AI: Human Being and Robot, in International Conference on Man, Machine and Modernity, Goethe Society of India, Organized by the Department of Foreign Languages, SPPU in collaboration with DAAD and Goethe Institut, Pune	25.10.2024-26.10.2024
287.	Linguistics	Prof. Abhinav Kumar Mishra	38th SALA	28th-30th Nov 2024
288.			ICOLSI-46	03rd-05th Oct 2024
289.			10th AICLF	03rd-05th Sept 2024
290.			51st AICDL	27th – 29th June 2024
291.		Dr. Praveen Gatla	13th International Conference of the Telugu Linguists' Forum	25th-26th, March 2025
292.			ICOLSI-46	03rd-05th, October 2024
293.			10th All India Conference of Linguistics and Folklore on Translation Across Cultures in Multilingual India w.r.t NEP 2020	20th to 22nd September 2024
294.	Philosophy & Religion	Dr. Pramod Kumar Bagde	An interface Between Heidegger and Rorty.	
295.		Dr. Neeti Singh	Forum for Applied Philosophy, the Department of Philosophy, at the University of Burdwan, West Bengal.	16th & 17th November, 2024.
296.			Three-day ICPR Sponsored Seminar on Buddhism in the Department of Philosophy and Religion, BHU, Varanasi.	21st to 23rd December 2024.
297.			Five-day International Conference on Challenges and Possibilities of Pali and Buddhist Studies, held in Thailand.	19th to 23rd February 2025.
298.		Dr. Rajiba Lochan Behera	Two Day National Seminar on Women as Catalysts for Viksit Bharat @ 2047: Role, Challenges and Strategies at the Department of Economics, AryaMahila P.G. College, Chetganj, Varanasi, Inida.	March 26th to 27th 2025.
FACULTY OF EDUCATION				
299.	Education	Prof Sunita Singh	Reimagining Teacher-Student Relations in the Context of Indian Knowledge Tradition: Exploring Ancient Wisdom for Contemporary Education	July 21, 2024
300.			International conference on cognitive science:	Aug 13-14, 2024

			Evidence for Teacher education, Pondicherry	
301.			Indian Examination & Evaluation System: Present Scenario & Future Prospects	Oct 18-19, 2024
302.		Prof. Lalta Prasad	South Asian Society: Today and Tomorrow, Dubai	23-26.3.2025
303.			Indian Examination & Evaluation System: Present Scenario & Future Prospects	18-19.10.2024
304.		Dr Ajeet Rai	Teachers and Teaching: Building Professionalism Critical THINKING and Reflective Pedagogy	April, 8-9. 2-24
305.		Dr P S Kharwar	68th Annual conference of Indian Public Health Association Harnessing Digital Health Advancements:	15-17.2025
306.			Artificial Intelligence in the field of performing arts	6-8.2.2025
307.		Prof Alok Gardia	NFLP Program, IIM Kashipur	16-20.12.2024
308.		Dr. Prateek Chaurasia	Capacity Building Programme for disruptive digital technologies: Integration in TEIs, NIEPA	21-25.10.2024
309.		Dr. Deepa Mehta	NFLP Program, IIT Madras	4-8.11.2024
MAHILA MAHAVIDYALAYA				
310.	Mahila Mahavidyalaya	Pravin K Patel	EFLU	28-30 August 2024
311.		Dr. Soma Dutta	Thought on Sri Ramkrishna , Sri Maa Sarada and Swami Vivekananda.	09.03.2025
312.		Prof. Rakhi Garg	49th All India Sociological Conference, 2024 on "Sociology, Development, and Democracy", Gurugram, India	Dec. 22-24, 2024
313.		Dr. Rukmini Jaiswal	Paper presentation in international conference on Advaitic Thought Classical & Contemporary	25.04.2025
314.		Dr. Mohammad Afzal Hussain	Nationla Semiar on 'Mashaikh e Silsila e Chishtia:Hayat wo Khidmaat' organized by Fakhrul Mashaekh Foundation, Dhwa, Ghazipur, UP.	17.10.2024
315.			National Seminar held at Jawaharlal Nehru University, New Delhi organized by the National Council for Promotion of Urdu Language collaboration with the Centre of Indian Languages, School of Language, Literature and Cultural Stidies, JNU.	08-10 November, 2024
316.			National Seminar held at Urdu & Persian Departement, BHU, Varanasi on 'Cotemporary Urdu & Persian Fiction (Maasir Urdu-O-Farsi Fiction)'	20-25 February 2025
317.			"Awadh ki Khanqahain aur un ki Ilmi wo Samaji Khidmaat' held at Atal Bihari Vajpeyee KG Medical College Convention Centre on. Organized by Shaikh e Tareeqat Foundation, Lucknow.	26-27 April 2025
318.			One Day International Seminar on 'sufism:Essence and Relevance in the Globalized Word' jointly organized by Centre for Studies on Sufism, Jamia Hamdard, New Delhi & Khanqah Ghuusiya Chishtiya, Dhawa, Ghazipur, UP.	21 February 2024
319.		Dr. Prashansa Sharma	ICSSR Sponsored National Seminar on Sustainable Development: Global Problems, Local Solutions	(28-29 September, 2024)
320.		Dr. Rana Noor	National Conference on the recent developments in mathematical sciences-2025	05-07 feb. 2025
321.		Prof. Richa Kumar	Madhyakaalin Hindi Sahitya: saamajik Swaroop Evam Lokrang	17-19 October 2024
322.		Dr. Shweta Kumari	Bharatiya evam Pashchatya Kavyashastra ki Rooprekha	28-29 November 2024

323.		Prof. Saroj Rani	International Exhibition & Conference on Art and Culture organized by Dept. of Drawing and Painting, Faculty of Visual Arts, S.S.T. University. Uttarakhand	21-23 May, 2024
324.		Jayanti Mandi	10th International Conference on Research into Design-ICoRD'25	January 8-10, 2025
325.		Prof. Jyotsna Srivastava	World Philosophy Congress 2024, Rome Italy	30-07-2024 to 10-08-2024
326.		Dr. Sarita Rani	World Philosophy Congress 2024, Rome Italy	30-07-2024 to 10-08-2024
327.		Dr. Vivek Kumar Pandey	World Philosophy Congress 2024, Rome Italy	30-07-2024 to 10-08-2024
328.		Dr. Jai Singh	Inter P.G Research Conference	29-Feb-24
329.		Prof. Nishat Afroz	XXVII International Congress of IACP,	4th – 10th August 2024
330.			29th International and 60th National Conference of the Indian Academy of Applied Psychology (IAAP) on "Applied Psychology: Promoting Social Harmony and Wellbeing,	26th-28th February 2025
331.		Dr. Naveen	International Conference on Contemporary challenges and opportunities in psychological sciences	6th& 7th April, 2024
332.			International Conference of Indian Academy of Health Psychology	22 Nov-24Nov, 2024
333.		Vandana Gupta	Indian Academy of Health Psychology	22 Nov-24Nov, 2024.
334.		Dr. Shilpa Kumari	International Conference on Contemporary challenges and opportunities in psychological sciences	6th& 7th April, 2024
335.			International Conference of Indian Academy of Health Psychology	22 Nov -24 Nov, 2024
336.		Dr. Suparna Basu	OSD 2025 – 16th International Conference on Order in Statistical Data: Order Statistics and Beyond held in Aachen, Germany	June 10th-13th, 2025
337.			31st Annual meeting of the Royal Statistical Society of Belgium, Ghent, Belgium.	November 07-08, 2024.
338.		Dr. Mukesh Kumar	International Conference GCM-14, at university of Pisa, Italy.	September 02-06, 2024
339.			International conference ICEPAM-2024, at Akal University, Punjab.	November 20-22, 2024
340.		Dr Karuna Singh	ISHAM-ASIA 2024, Bangkok, Thailand	27.07.2024-05.08.2024
341.		Dr. Surabhi Bajpai	NBHES, organized by Zoology section, M.M.V.,B.H.U. ,	20-22 feb 2025
342.			National conference in pharmaceutical Sciences: From Bench Innovations to Laboratory, organised by Amity institute of Pharmacy, Amity University ,Uttar Pradesh.	24-25 February 2025
343.			National conference in pharmaceutical Sciences: From Bench Innovations to Laboratory Applications and Beyond	24-25 February 2025
344.			National conference in pharmaceutical Sciences: From Bench Innovations to Laboratory. Amity institute of Pharmacy, Amity University, Uttar Pradesh.	24-25. Feb, 2025

345.		Dr Ganesh Kumar Maurya	15th International Conference on Bioscience, Biochemistry and Bioinformatics, Thailand	14 Jan to 21 Jan 2025
346.		Prof Neelam Srivastava	24th International Conference on Solid State Ionics, London, UK ()	July 2024
347.			5th National Conference on Materials and Devices; 5th NCMD-2025 (), India	Feb 2025
348.		Dr. Saraswati kumari	The Indigenous Eduction System of Bharat: From Gurukuls to Digital Classrooms	27-28, Sep, 2024
349.			India : A Synthesis of Tradition and Modernity	17-18, Oct, 2024
350.			Peoples' Queen Rani Lakshmibai : The Face and Voice of Indian Resistance	22-23, Oct, 2024
351.			Kashi Vaibhav: A Historical Discourse	8-10, Nov, 2024
352.			Buddhism: From Enlightenment to Empowerment	18-19, Feb, 2025
353.		Dr. Anjali Yadav	Indian History Congress	28-30 Dec., 2024
354.		Dr. Meenakshi Singh	12th International Conference on Molecular Imprinting (MIP 2024), Verona University, Verona, Italy	14.06.2024-24.06.2024
355.			5th International Conference on Bioinspired and Zwitterionic Material (ICBZM 2024), Cornell University, Ithaca, New York, USA.	27.07.2024 - 03.08.2024
356.		Dr. Sailaja S. Sunkari	3rd Asian Conference on Molecular Magnetism (ACMM-2024) Nurturing Future Leadership Program @ IIM-Udaipur as University Nominee	30.08.2024 to 06.09.2024 17-23 Nov. 2024
357.		Prof Kavindra Nath Tiwari	Current Trends and Challenges in plant Biotechnology Organized by BITS Pilani Goa.	24- 25, February, 2025
358.		Prof. Neelam Atri	12TH European workshop on the biology of cyanobacteria EWBC 2024 Organized by FEMS organization Sevilla (Spain).	03-06, September 2024
359.			04th edition of Euro-global conference on Biotechnology and Bioengineering 2024 Organized Canadian phycological society., Rome , Italy.	19-21, September 2024
360.		Prof. Richa Raghuwanshi	Fungal Biology and Plant-Microbe Interactions 2024 (ICFBPMI-2024)". Organized by Department of Botany, CAS, Institute of Science, Banaras Hindu University.	16-18th, February 2024.
361.			Frontiers in Science & sustainability: Innovations in Research for Viksit Bharat organized by Sunbeam College for Women, Bhagwanpur, Varanasi.	10-11, March 2025
362.		Dr. Surendra Kumar Gond	XX International Botanical Congress (IBC 2024)	21-27 July 2024
363.		Dr. Krishna Kumar Choudhary	International Conference on Global Strategies for Restoration of Health Through AYUSH" held at The BRISTOL HOTEL, Dubai, UAE, Jan. 18-19, 2025.	15-20, January 2025
364.			International Botanical Congress (IBC 2024)" held at the IFEMA Convention Center, Madrid, Spain, July 21-27, 2024.	20 -29, July 2024
365.			Invited Speaker, International Conference on "Conservation of Biodiversity in Genomics Era" – 22nd - 23rd March, 2024 at Department of Life Sciences, Pacchunga University College Campus, Mizoram University, Mizoram, India	21-23, March 2024
366.		Dr. Vinod Kumar Kannaujiya	International Conference on Global Strategies for Restoration of Health Through AYUSH" held at The BRISTOL HOTEL, Dubai, UAE, Jan. 18-19, 2025.	18-19 January 2025
367.		Dr. Shachi Singh	International Conference on Global Strategies for Restoration of Health Through AYUSH" held at The	18-19 January, 2025

			BRISTOL HOTEL, Dubai, UAE, Jan. 18-19, 2025.	
368.		Dr. Aparna Singh	Accelerating Biology 2025-Compute to Transcend Organised by CDAC Pune	7-9 th January 2025
369.		Dr. Bhanu Pratap Singh	Enabling Sustained Growth in Emerging Asia at School of Economics, University of Hyderabad	7-8 Feb 2025
370.			International Conference on Sustainable Goals 2.0 at IIM Bodh Gaya	Feb 1-2, 2025
371.			International Conference on Globalization & Sustainable Development organised by the Department of Economics &Politics, Visva-Bharati at Santiniketan	20-21 January 2025
372.			17th Annual Conference of Knowledge Forum at TISS, Mumbai	December 7-8, 2024
373.		Dr. Hari Ram Prajapati	59th Annual Conference of the India Econometric Society at BHU	March 3-5
374.			International Conference on Globalization & Sustainable Development organised by the Department of Economics & Politics, Visva-Bharati at Santiniketan	20-21 January 2025
375.		Dr. Bhanu Pratap Singh	Rethinking Public Finance for Emerging Development Challenges, GIFT, Trivandrum	March 19-21, 2025
376.		Dr. Shubhra Ojha	Holistic Approach of Tribal culture, Department of Philosophy, BHU	23-24 Sept 2024
377.		Dr. Reeta Jaiswal	Contemporary Social Issue : A Global Perspective	21feb – 27 Feb 2025
378.			Modernization , Social Change &Development : A Way Forward to Viksit Bharat -2047	6Jan & 7 Jan 2025
379.		Dr. Seema Das	Indian Institute of Public Administration ,New Delhi	(14-15, March, 2023)
380.			Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya, IPSA	(09-10, September, 2023)
FACULTY OF VISUAL ARTS				
381.	Visual Arts	Prof. Uttama	'Art Environment and Sustainable Development' Seminar on the Occasion of Teacher's Day 2024, FoVA, BHU –	9th -11th September 2024
382.		Dr. Shanti Swaroop Sinha	Brainstorming Session on Nurturing the Professional Growth and Personal Well Being held at BHU	09th to 11th Sept. 2024
383.		Dr. Shanti Swaroop Sinha	Bhojpuri Janapada: Bhasha, Srijana aur Kala" held at BHU	28th to 29th Sept. 2024
384.		Dr. Shanti Swaroop Sinha	Chandela Period and Contemporary Archaeology in India	29 Dec 2024
385.		Dr. Shanti Swaroop Sinha	"**दृश्य एवं मंच कलाओं का साहित्य से अंतःसम्बन्ध "** organized by the Painting Section of Mahila Mahavidyalaya, B.H.U.	(29 – 30 JAN 2025)
386.		Dr. Shanti Swaroop Sinha	Presented a paper on on Rendering of Indian Epics in Art and Culture	8th to 10th February, 2025
387.		Dr. Shanti Swaroop Sinha	"The Interweaving of Art, Religion and Identity in the Cultural Legacy of Bharat" (Special Context of Mahakumbh 2025), Organized by. Department of Ancient History, Culture & Archaeology, University of Allahabad, Prayagraj in Collaboration with Allahabad Museum, Ministry of Culture, Government of India	17-18 March, 2025

388.		Dr. Mahesh Singh	International Performing Arts Conference(IPAC) 2025, University of the Visual and Performing Arts, Sri Lanka	20-21 March, 2025
389.		Dr. Ashish Kumar Gupta	12th International Conference on Happiness And Well-Being Amidst Poly-crisis : Insight From Indian KnowledgeS ystems	1-2 March, 2025
390.		Dr. Ashish Kumar Gupta	"Art Environment & Sustainable Development"	9-11 Sept. 2024
391.		Dr. Lalit Mohan Sony	Environmental Studies	16-30 Dec. 2024
392.		Dr. Lalit Mohan Sony	"Art Environment & Sustainable Development"	9-11 Sept. 2024
393.		Dr Kiran Gupta	An International Conference on Rejuvenating Textiles: A Vision of Art, Organised by Jamia Millia Islamia, A Central University	15-17 February 2025
394.		Dr Kiran Gupta	National Seminar on Drishy Evam Manch Kalaon ka Sahitya se Antah Sambandh	29- 30 January 2025
395.		Dr Kiran Gupta	An Interactive Seminar	09-11 Sept. 2024
396.		Dr. Suresh Chandra Jangid	National Seminar on "Drishya Kala Evam Munch Kalao Ka Sahity se Antah- Sambandh" 29- 30 jan, 2025	29-30 Jan. 2025
397.		Dr. Suresh Chandra Jangid	International Conference on Colours in /Indian Tradition	14-15 Feb., 2025
398.		Shristi Prajapati	A Critical Analysis of Avant Grade in Bhimayana	27-28 Dec. 2024
399.		Saheb Ram Tudu	15 Days Refresher Course	16th Dec. to 30th Dec. 2024

Annexure V

PATENTS

PATENTS FILED / GRANTED DURING – 2024-25

Name of the faculty member and department who filed the patent	Title of the patent	National / International	Date of Filing / Granting	Granted / Filed
Prof. Gopal Nath, Dept. of Microbiology, IMS	Apparatus for vacuum-induced carbon dioxide supply in capnophilic bacterial cultivation	International	Granted	2.5.2024
Rakesh Verma	AI enabled device for detection of cardiac disorders	International	Granted	5.12.2024
	AI Digital Rotary Laboratory Apparatus for developing Semi synthetic derivatives	International	Granted	3.1.2025
	IoT device for enhanced educational management with Health care monitoring system.	International	Granted	26.7.2024
	Portable device for thyroid function test	International	Granted	5.8.2024
	Wearable biosensor based device for TDM and personalized therapy	International	Granted	11.9.2024
Prof Sameer Trivedi, Dept. of Urology, IMS	A small RNA extraction and analysis kit to differentiate benign and malignant prostate cancer."	National	Granted	2024-25
Dr. Lalit Mohan Aggarwal, Dr. Sunil Choudhary Dept. of Radiotherapy and Radiation Medicine, IMS	An improved HDR brachytherapy applicator apparatus	National	Granted	14.11.2024
	BHU Interstitial high dose rate (HDR) brachytherapy template for treatment of gynecological and 3prostate cancer	National	Filed	17.7.2024
	BHU Intracavitary High Dose Rate (HDR) Brachytherapy Applicator Set for Treatment of Gynaecological Cancer	National	Filed	23.11.2024
Dr Mahesh Khairnar Dr P G Naveen Kumar, Faculty of Dental Sciences	Dental fluorid varnish incorporated with tulsiextract	National	Granted	23.11.2024
Dr Ashish Agrawal, Faculty of Dental Sciences	Micro PCB capable of delivering exogenous current in microamperes with varying frequency, current and square waveform to enhance bone remodeling.	National	Filed	4.2.2025
Dr Ajit Parihar, Faculty of Dental Sciences	AP OrthoNexLink adaptor	National	Filed	23.12.2024
Dr. Saurabh Karunamay, Dept. of Livestock Production Technology, FVAS	Smart Self Cleaning Milking Machine	National	Filed	8.2.2025
Dr. Abhishek Kumar Singh, Dr. Mahipal Choubey, Dept. of Animal Nutrition, FVAS	Smart Veterinary Nutrition Tracking Device	National	Granted	19.12.2024
Dr Ashutosh Mohan, Institute of Management Studies	Cnn and image processing based device for evaluation and analysis of financial report	International	Granted	28.8.2024
Gyanmodi, Yash Pal, Singh, C. Pravven, Kumar, MeenuYadav, Gauri Shankr, Gourav Singh, Saroj Kumar, S. Srikrishna.	A multifuncatioanl diarylurea-Hydroxyamidine base compound for treatment of Alzheimer's disease.	National	Filed	June 2024
Prof. Parimal Das, Centre for Genetic Disorder	A novel antiviral composition of small phytomolecules against SARS CoV2 and	National	Granted	13.9.2024

	associated virus.			
Dr. Akhtar Ali, Centre for Genetic Disorder	Invention of novel anti-cancer compound from bacterial extract.	National	Filed	7.3.2025
Prof. Rajendra Kumar Singh, Dept. of Physics	202411076886 Preparation method of NASICON type coated and doped cobalt-free layered ternary cathode for sodium ion battery	National	Granted	October 2024
Chandra Shekhar Pati Tripathi, Dept. of Physics	Smartphone enabled electrochemical sensor for the detection of antibiotic drug chloramphenicol	National	Filed	12.3.2025
Neeraj Mehta, Dept. Physics	Novel Se100-xCex Alloys for Better Radiation shielding against High energy Radiation	National	Filed	2024-25
Neeraj Mehta, Dept. of Physics	Novel Zinc-Modified SeTeSn Alloys for safer Radiation protection	National	Filed	2024-25
Mr. Ritesh Kumar Chourasia, Dr. Surendra Prasad, Dr. Vivek Singh, Dept. of Physics	Tunable inline narrow band optical Bragg filter,	National	Granted	9.4.2024
Prof. Sanjay Kumar Srivastava, Dept. of Physics	A method for preparation of MIP-sensor for detection of salmonella typhi bacteria	National	Granted	11.10.2024
Prof. Sanjay Kumar Srivastava, Dept. of Physics	Smartphone enabled Electrochemical Sensor for the detection of Antibiotic Drug Cholorаphenicol	National	Filed	12.3.2025
Dr. Vivek Singh, Dept. of Physics	Fano Resonance-Enhanced Optical Fiber Sensors	National	Granted	22.8.2024
Prof. Pratyoosh Shukla, School of Biotechnology	A Novel Quaternised Amylopectin-Based Biopolymer For Enhanced Microalgal Biomass Harvesting	National	Filed	3.6.2024
	Natural Galactomannan Based Sustainable Biopolymer For Downstream Microalagal Dewatering	International	Filed	17.2.2025
Prof. AM Kayastha, School of Biotechnology	A Bio-Recognition Element-Based Nano-Sensor and a Method of Fabrication Thereof Inventors	International	Granted	13.9.2024
Dr. Pratik Sanodiya, Dept. of Agronomy, Institute of Agricultural Sciences	Compact microclimate monitoring Station	National	Filed	21.5.2024
Anil Kumar Chauhan, Dept. of Dairy Science & Food Technology	Process preparation of Ready to Cook multi grain Khichdi composition	National	Granted	5.1.2024
Dr. Arvind, Dept. of Dairy Science & Food Technology	Water Quality Assurance Device	National	Filed	29.11.2024

Annexure VI

AWARDS / HONOURS / RECOGNITIONS

AWARDS / HONOURS / RECOGNITIONS

Sl.	Name of the Award / Honour / Recognition	Awarded By	Recipient
NATIONAL - AWARDS			
Institute of Agricultural Sciences			
1.	Best Paper Award in National Seminar	ICARR-CPCRI, Kasaragod and Indian Society of Plantation Crops	Dr. Anoop. M, Dept. of Agricultural Economics
2.	Mahima Excellence Agronomy Award 2024	Mahima Research Foundation and Social Welfare	Prof, U.P. Singh, Dept. of Agronomy
3.	Young Scientist Award	All India Agricultural Students Association (AIASA), New Delhi	Dr. Sudhir Kumar Rajpoot, Dept. of Agronomy
4.	Best poster presentation Award	The Indian Society of Weed Science, Jabalpur, MP	Dr. Sudhir Kumar Rajpoot, Dept. of Agronomy
5.	Special Presidential Award	Food and Nutrition Society of Indones and ICN	Anil Kumar Chauhan, Dept. of Dairy Science & Food Technology
6.	Best Researcher Awards	Nutrition Council of India	Dr. Abhishek Dutt Tripathi, Dept. of Dairy Science & Food Technology
7.	Young Scientist Award (Animal and Fisheries Sciences category)	8th National Youth Convention	Dr. Sunil Meena, Dept. of Dairy Science & Food Technology
8.	Best oral presentation	8th National Youth Convention	Dr. Arvind, Dept. of Dairy Science & Food Technology
9.	Best oral presentation Young scientist Award	International Conference on Emerging Paradigm Shifts in Food & Dairy Processing	Dr. Ankita Hooda, Dairy Science & Food Technology
10.	Best Young Entomologist Award	Entomological Science Academy	Dr. Srinivasa N, Dept. of Entomology & Ag. Zoology
11.	Innovative scientist award	Mahima Research Mahima Research Foundation and Social Welfare	Dr. Srinivasa N, Dept. of Entomology & Ag. Zoology
12. .	Best Oral Presentation Award- 2024	AETDS Professional Society	Dr. Sarvesh Kumar, Dept. of Extension Education
13.	Outstanding Achievement Award- 2024	AETDS Professional Society	Dr. Sarvesh Kumar, Dept. of Extension Education
14.	Professional Recognition Award -2024	BHU	Dr. Sarvesh Kumar, Dept. of Extension Education
15.	Professional Recognition Award	BHU	Dr. Shubhadeep Roy, Dept. of Extension Education
16.	Best presentation award	ICAR-Research Complex for Eastern Region, Patna	Dr. Shubhadeep Roy, Dept. of Extension Education
17.	First Best Research Article in the category of "Dairy Economics, Extension and Management" for the year 2024	Indian Dairy Association	Dr. Saikat Maji, Dept. of Extension Education
18.	NARES-IRRI Fellowship Award-2024	IRRI-Philippines	Prof. S.K.Singh, Dept. of Genetics & Plant Breeding
19.	3rd Place in Oral Presentation	Organized by AIASA& Banaras Hindu University on 22nd-23rd August.	Dr. J Jorben, Dept. of Genetics & Plant Breeding

20.	Best Academician Award in Plant Breeding	Science & Technology Applications Remodel (STAR) Society	Dr. Kartikeya Srivastava , Dept. of Genetics & Plant Breeding
21.	National Teachers Award-2024	Ministry of Education, Govt. of India	Prof. Birinchi Kumar Sarma, Dept. of Mycology & Plant Pathology
22.	Best oral presentation award. 2025.	SRM College of Agricultural Sciences, SRMIST, Tamil Nadu.	Dr. Vinod Kumar S, Dept. of Mycology & Plant Pathology
23.	Young microbiologist award. 2024.	Mahima research foundation and social welfare, Varanasi, Uttar Pradesh	Dr. Vinod Kumar S, Dept. of Mycology & Plant Pathology
24.	Best oral presentation award. 2024.	Mahima & Dept. of Agricultural Entomology & Zoology, BHU, Varanasi.	Dr. Vinod Kumar S, Dept. of Mycology & Plant Pathology
25.	Best oral Presentation award	SBVVI	Dr. Pavan Kumar Yadav, F/o Veterinary & Animal Sciences
26.	Ahilya Bai Holkar Nari Shakti Puraskar 2025	Pashudhan Praharee	Dr. Sajida Bano, F/o Veterinary & Animal Sciences
27.	Best Review Article Award	Indian Veterinary Association Kerala	Dr. Dayamon D. Mathew, F/o Veterinary & Animal Sciences
28.	Dr. V. Kurien Award of Excellence- 224	World Milk Day	Dr. Ajay Kumar Chaturvedani, F/o Veterinary & Animal Sciences
29.	Nari Shakti Award	SBSRD, Prayagraj	Dr. Jigyasa Rana, F/o Veterinary & Animal Sciences
30.	Young Dairy Scientist Award	International Agriculture conference, NUTRIENT-2025	Dr. Saurabh Karunamay
31.	Young Scientist Award-2024	PasudhanPrahari on the occasion of Kishan Diwas	Dr. Saurabh Karunamay, F/o Veterinary & Animal Sciences
32.	Oral paper Presentation award	National symposium on Futuristic approaches for animal health, management and welfare: Challenges and Opportunity.	Dr. Saurabh Karunamay, F/o Veterinary & Animal Sciences
33.	Oral paper Presentation award	Translating one health into action in combating emerging diseases, drug resistant and ensuring food safety under changing climatic scenario.	Dr. Dipanwita Bhattacharya F/o Veterinary & Animal Sciences
34.	Poster paper presentation award	Translating one health into action in combating emerging diseases, drug resistant and ensuring food safety under changing climatic scenario.	Dr. Dipanwita Bhattacharya F/o Veterinary & Animal Sciences
35.	Adarsh Vidya Saraswati Rashtriya Puraskar (National Award of excellence 2024)	Glacier Journal Research Foundation, Global Management Council, Ahmedabad	Dr. Mahipal Choubey, F/o Veterinary & Animal Sciences
Institute of Medical Sciences			
36.	Best IJEM case report	Endocrine society of India(ESI)	Dr Ritesh Kumar, Dept.

			Endocrinology
37.	Best Paper Award	Fertogenetics	Dr. Mamta, Dept. of Gynecology
38.	FIRST PRIZE in Paper Presentation	National IFS 2025	Dr. Shuchi Jain, Dept. Radiology
39.	FIRST PRIZE in Paper Presentation	SAFECON, 2025	Dr. Shuchi Jain, Dept. Radiology
40.	First prize in poster presentation	National IAGE conference	Dr. Sakshi Agarwal
41.	Late Dr. Govind Swaroop Saxena Memorial ACOIN Madhya Pradesh State Chapter Oration 2024 Award	2nd Annual Meeting of ACOIN Madhya Pradesh State Chapter 2024 in Hotel Clarck , Gwalior	Dr. R.P Maurya, Dept. of Ophthalmology
42.	Shri T.H. Madharia Memorial ACOIN Puri Commemorative International Oration 2024 Award	14th Annual Conference of ACOIN & International Assembly of Community Ophthalmologistsheld in Puri, Odissa, India from 27th to 29th September 2024	Dr. R.P Maurya, Dept. of Ophthalmology
43.	Dr P J Mehta Oration Award 2024	Association of Physicians of India	Prof. Jaya Chakravarty, Dept. of Surgery
Institute of Science			
44.	8th Visitor's Award for Innovation	President of India	Prof. S Srikrishna, Dept. of Biochemistry, Institute of Science
45.	Honour of Appreciation Award	Lichenological Society of India	Prof. R.N. Kharwar, Department of Botany
46.	Rashtriya Vigyan Puraskar: Vigyan Yuva-Shanti Swarup Bhatnagar 2024	Ministry of Science & Technology, GoI	Dr. Purabi Saikia, Department of Botany
47.	Matribhumike Gaurav award	NEWS18	Dr. Chandana Basu, Centre for Genetic Disorder
48.	Aspiring Women 2025	HT	Dr. Chandana Basu, Centre for Genetic Disorder
49.	Emerging Scientist Award 2024	Society of Materials Chemistry (SMC), India.	Dr. Monalisa Pal, Dept. of Chemistry
50.	Bronze Medal -2025.	Chemical Research Society of India	Dr. Satpal Singh Badsara, Dept. of Chemistry
51.	Dr S C Srivastava Gold Medal 2024 by the Gondwana	Geological Society of India, Nagpur	Dr. Mayuri Pandey, Dept. of Geology
52.	Swati Memorial Endowment Lecture Award (2024)	I.I.Sc Bangalore	Dr. Mousumi Mutsuddi, Dprt. Of Molecular Human Genetics
53.	Prof. CNR Rao Foundation Award for Excellence in Scientific Research	Banaras Hindu University, Varanasi	Prof. Pratyoosh Shukla, School of Biotechnology
54.	Prof. N. Appaji Rao Best Mentor Award 2024	Banaras Hindu University, Varanasi	Prof. Arvind Mohan Kayastha, School of Biotechnology
Faculty of Performing Arts			
53.	Award for Excellence In Music	Rajkeeya Queen's College	Dr. Revati Sakalkar, Dept. of Vocal Music
54.	Prestigious Book of World Record	Worthy Wellness Foundation	Dr. G.C Pandey, Dept. of Vocal Music

55.	Sangeet Shiromani Samman	AYUSH MEDA AYUR YOGA PEETHA, - Mauritius	Dr. K.A. Chanchal, Dept. of Vocal Music
56.	"A" Grade Artist From AIR	Prasar Bharati All India Radio Varanasi	Prof. Rajesh Shah, Dept. of Instrumental Music
57.	1st INSPIRE WOMEN AWARD 2025	Dalimss Sunbeam (Group of Schools& Hostel)	Prof.Sanggeta Singh, Dept. of Instrumental Music
58.	"A" Grade Artist From AIR	Prasar Bharati All India Radio Varanasi	Prof. Pravin Uddhav, Dept. of Instrumental Music
59.	UGADI Purashkaram 2025	Honourable Chief Minister N. Chandrababu Naidu, Andhra Pradesh	Dr. B. Satyavara Prasad, Dept. of Instrumental Music
60.	Mridanga Visaarada	Thyagayya Charitable Trust Chennai, Tamil Nadu	Dr. B. Satyavara Prasad, Dept. of Instrumental Music
61.	Kalaprapurna Ugadi Purashkaram 2025	St. Mother Teresa Social Welfare Organisation, Visakhapatna, Andhra Pradesh	Dr. B. Satyavara Prasad, Dept. of Instrumental Music
62.	"Jai Laxmi Alwa Award"	Sridevi Nritya Kala Kendra, Mangalore	Dr. Vidhi Nagar, Dept. of Dance
63.	MSDU Women Excellence Award -2025	Maharaja Suhel Dev University, Azamgarh	Dr. Vidhi Nagar, Dept. of Dance
64.	Kalashree	Kashika Artist Group	Prof. Uttama
65.	Abstract Art Design Competition (Under top 3and Rs. 2,00,000.00 cash prize)	Ayodhya Development Authority, Uttar Pradesh	Prof. Manish Arora, Faculty of Visual Arts
66.	Logo & Tagline Competition of Naimisharanya	Ministry of Tourism, Government of Uttar Pradesh	Dr. Ashish Kumar Gupta, Faculty of Visual Arts
Faculty of Sanskrit Vidya Dharm Vigyan			
67.	Dr.Vibhuti Narayan Singh kashiraj Kirti Alankaran	Vishwa Sanskrit Pratishthan, Varanasi	Prof Madhav Janardan Ratate, Dept. of Dharmashastra Mimansa
INTERNATIONAL – AWARDS			
Institute of Medical Sciences			
1.	Best of show Award conferred for video title "Dancing Maggots in the Orbits of 19 patients with Eyelid carcinoma	American Academy of Ophthalmology Congress 2025	Prof. R.P. Maurya, Dept. of Ophthalmology
2.	Springer Parija Southeast Asia Award 2024	IATP	Dr. Tuhina Banerjee, Dept. of Microbiology
Institute of Science			
3.	SERB International Research Experience	SERB	Dr. Satish K Verma, Dept. of Botany
4.	Senior Scientist Award 2024	ESDA, New Delhi	Dr. R.K. Sharma, Dept. of Botany
5.	Selected for Global South Committee of eLife to represent Indian	eLife	Dr. Chandana Basu, Centre for Genetic Disorder
Faculty of Visual Arts			
6.	Jan Mithra International Award	PVCHR, Varanasi	Dr. K Suresh Kumar, Faculty of Visual Arts
Faculty of Performing Arts			
7	Doctor of Literature Honoris Causa in performing Arts	The American University, USA. Received in Phuket, Thailand	Prof. K. Sashi Kumar, Dept. of Vocal Music
8	Certificate of Excellence	The American University, USA	Prof. K. Sashi Kumar, Dept. of Vocal Music

Elected Fellows

Sl.	Name of the Elected Fellowship	Awarded By	Recipient
1.	ISWS Fellow	ISWS	Prof. U. P. Singh, Dept. of Agronomy
2.	ICAR-Fellow	Society for Rapeseed-Mustard Research	Prof. R.S. Meena, Dept. of Agronomy
3.	Fellow	Society for Bicontrol Advancement, Bengaluru	Dr. Srinivasa N, Dept. of Entomology & Ag. Zoology
4.	Fellow	Entomological Science Academy	Dr. Srinivasa N, Dept. of Entomology & Ag. Zoology
5.	ISHRD Fellow	Indian Society of Horticultural Research & Development	Dr. Kalyan Barman, Dept. of Horticulture
6.	Fellow of Veterinary Endoscopy	World Laparoscopy Hospital	Dr. Dayamon D. Mathew, F/o Veterinary & Animal Sciences
7.	FCSI	Cardiological Society of India	Dr. Vikas Agarwal, Dept. of Cardiology
8.	FSCAI	Society for Cardiovascular Angiography and Intervention	Dr. Soumik Ghosh, Dept. of Cardiology
9.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. Rahul Khanna, Dept. of Surgery
10.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. S.K. Bhartiya, Dept. of Surgery
11.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. Satendra Kumar, Dept. of Surgery
12.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. S.K. Tiwary, Dept. of Surgery
13.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. R.N. Meena, Dept. of Surgery
14.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr Vivek Kumar Katiyar, Dept. of Surgery
15.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. Pranaya K Panigrahi, Dept. of Pediatric Surgery
16.	FIAGES	Association of Gastrointestinal Endo Surgeons of India	Dr. Ruchira, Dept. of Pediatric Surgery
17.	Fellow of the Royal College of Physician	Royal College of Physicians	Prof. Jaya Chakraborty, Dept. of Medicine
18.	Fellow of International Society for Medical Food and Nutrition	International Society For Food And Nutrition	Dr. Chandra Prakash, Dept. of Radiotherapy & Radiation Medicine
19.	Fellow of Association of Trauma & Oral & Maxillofacial Surgery trauma	Association of Trauma & Oral & Maxillofacial Surgery trauma KGMU Lucknow	Dr. Naresh Kumar Sharma, Faculty of Dental Sciences
20.	Fellow	National Environmental Science Academy	Prof. A.K. Mishra, Department of Botany
21.	Fellow,	Indian Geophysical Union, India, 2023	Prof. R. Bhatla, Dept. of Geophysics
22.	Fellow	Indian Meteorological Society, India, 2024.	Prof. R. Bhatla, Dept. of Geophysics
23.	Fellow (2025)	Indian Academy of Neuroscience	Dr. Mousumi Mutsuddi, Dept. of Molecular Human

			Genetics
24.	Life Fellow Member	The Optical Society of India	Prof. D.K. Mishra, Dept. of Physics
25.	Fellow Award (FMMAYP)	AYUSH MEDA AYUR YOGA PEETHA, - Mauritius	Dr. K.A. Chanchal, Dept. of Vocal Music

Fellowship

Sl.	Name of the Fellowship	Awarded By	Recipient
1.	Fellowship - Pierre Fauchard Academy, USA -	Pierre Fauchard Academy	Dr. Ankita Singh, Faculty of Dental Sciences
2.	Long Term ICMR-DHR International Fellowship for Young Indian Biomedical Scientist	ICMR	Dr. Om Prakash Maurya, Department of Biochemistry, Institute of Science
3.	NESA Fellowship	National Environmental Science Academy	Dr. Satya Shila Singh, Department of Botany

Associateship

Sl.	Name of the Associateship	Awarded By	Recipient
1.	Lead Guest Editor for a special issue on 'Flower Senescence – Physiology and Molecular Biology'	Plant Growth Regulation journal, Springer-Nature	Dr. Kalyan Barman, Dept. of Horticulture
2.	Associate Fellowship in Laser Dentistry and Photomedicine	Asian Academy of Laser Therapy (AALT)	Dr. Mahesh Khairnar, Faculty of Dental Sciences
3.	Member, NASI	National Academy of Science in India	Dr. Chandana Basu, Centre for Genetic Disorder
4.	Member	The National Academy of Sciences, India (NASI)	Dr. Satpal Singh Badsara, Dept. of Chemistry
5.	Member	Linguistic Society of India	Dr. Abhinav Kumar Mishra, Dept. of Linguistics