

## Dr. V.K. Singh



### **Information officer**

**Centre for Bioinformatics**

**School of Biotechnology**

**Institute of Science**

**Banaras Hindu University, Varanasi-221005**

M.Sc. (Bioinformatics)

MBA (Information Technology and Human Resource Development)

Ph.D. (Bioinformatics)

**Date of Birth:** 9<sup>th</sup> September 1982

### **Contact Information:**

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**ResearchGate Id:** <https://www.researchgate.net/profile/Singh-Vk>

**SciProfile Id:** <https://sciprofiles.com/profile/2963003>

**AD Scientific Index Id:** <https://www.adscientificindex.com/scientist/vk-singh/394803>

### **Short Term Certificate Course (2+2+2 Months):**

- ❖ Forensic Biotechnology and DNA Fingerprinting
- ❖ Cyber Forensics, Cyber Crimes, Cyber Security and Cyber Law
- ❖ Forensic Psychology and Criminal Profiling

### Academic Qualifications:

S. No.	Degree	Institution	Year
1.	High School	U.P. Board of Education, Allahabad	1996
2.	Intermediate	U.P. Board of Education, Allahabad	1998
3.	B.Sc.	Purvanchal University, Jaunpur	2002
4.	M.Sc.	Sikkim Manipal University, Gangtok	2005
4.	MBA	Indian Institute of Commerce and Trade, Lucknow	2010
5.	Ph.D.	Banaras Hindu University, Varanasi	2015

### Professional Experience:

S. No.	Post	Institution	Year
1.	Teaching Assistant	Jaypee University of Information Technology, Solan, H.P.	2005-2006
2.	Teaching Personnel & DBT JRF	G. B. Pant University of Agriculture & Technology, Pantnagar, U.K.	2006-2009
3.	Information officer	Banaras Hindu University, Varanasi, U.P.	2009- till now

### Life Time Fellow Member:

1. International Development Centre Foundation– F0061
2. Scholars Academic and Scientific Society - SAS/FSASS/163
3. Scientific Society of Advanced Research and Social Change – F91

### Life Time Member: Societies

1. Indian Society for Vegetables Science (ISVS) - ISVSL0001318
2. International Association of Engineers (IAENG) -IAENG107775
3. International Forensic Science (IFS) - IFS.MEM 2015.013
4. Computer Society of India (CSI) –2010000076
5. Biotech Research Society, India (BRSI) - LM 2409
6. National Academy of Biological Sciences (NABS) - LM-045-2020
7. Society for Bioinformatics and Biological Sciences (SBBS) - SBBS/LM/20/A15
8. SOCIETY FOR BIOTECHNOLOGISTS (INDIA) – LM 1004
9. Institute of Scholars - InSc20200675
10. Asia Society of Researcher (ASR) - R219093269
11. Asian Federation of Biotechnology (AFOB) - IN00451
12. Uttar Pradesh Academy of Agricultural Sciences (UPAAS) – 307

## Member: Editorial Board

### Associate-Editor

1. International Journal of Medical and Clinical Research  
<https://bioinfopublication.org/pages/journal.php?id=BPJ0000232&pg=editorial>

### Executive Guest Editor

1. Recent Patents on Biotechnology  
<https://benthamsience.com/journal/73/editorial-board>
2. Letters in Functional Foods  
<https://www.eurekaselect.com/journal/212/editorial-board>

## Publication Details

### Research papers in SCI (Science Citation Indexed) Journals

1. Yadav PK, **Singh VK**, Yadav S, Yadav KD, Yadav D. (2009) In silico analysis of pectin lyase and pectinase sequences. **Biochemistry-Moscow**. [Online ISSN 0006-2979; Print ISSN 1608-3040] 74(9):1049-55. (UGC: 14571)
2. Kumari A, **Singh VK**, Fitter J, Polen T, Kayastha AM. (2010) Alpha-amylase from germinating soybean (*Glycine max*) seeds-purification, characterization and sequential similarity of conserved and catalytic amino acid residues. **Phytochemistry**. [ISSN: 0031-9422] 71(14-15):1657-66. (UGC: 30899)
3. Marla S, Bharatiya D, Bala M, **Singh V** and Kumar A. (2010) Classification of Rice Seed Storage Proteins using Neural Networks. **J. Plant Biochemistry & Biotechnology**. [eISSN: 0974-1275; pISSN: 0971-7811] 19(1), 123-126. (UGC: 19247)
4. Tomar Neha R, **Singh V**, Marla SS, Chandra R, Kumar R. and Kumar A. (2010) Molecular docking studies of rabies virus glycoprotein with context to design viral therapeutics (2010) **Indian journal of Pharmaceutical Sciences**. [ISSN: 0250-474X] 72 (40): 468-490. (UGC: 20843)
5. Dutt S, **Singh VK**, Marla SS, Kumar A. (2010) In silico analysis of sequential, structural and functional diversity of wheat cystatins and its implication in plant defense. **Genomics Proteomics and Bioinformatics**. [ISSN: 1672-0229] 8(1):42-56. (UGC: 27547)
6. Kushwaha H, Gupta S, **Singh VK**, Rastogi S, Yadav D. (2011) Genome wide identification of Dof transcription factor gene family in sorghum and its comparative phylogenetic analysis with rice and Arabidopsis. **MolBiol Rep**. [ISSN: 0301-4851 (Print) 1573-4978 (Online)] 38(8):5037-53. (UGC: 31535)
7. Marla SS, **Singh VK**. (2012) LOX genes in blast fungus (*Magnaporthe grisea*) resistance in rice. **Funct Integr Genomics**. [pISSN: 1438-793X;eISSN: 1438-7948] 12(2):265-75. (UGC: 17835)

8. Pandey S, Shrivastava AK, **Singh VK**, Rai R, Singh PK, Rai S, Rai LC. (2013) A new arsenate reductase involved in arsenic detoxification in *Anabaena* sp. PCC7120. **Funct Integr Genomics**. [pISSN: 1438-793X;eISSN: 1438-7948] 13(1):43-55. (UGC: 17835)
9. Shahi SK, **Singh VK**, Kumar A, Gupta SK, Singh SK. (2013) Interaction of dihydrofolatereductase and aminoglycoside adenylyltransferase enzyme from *Klebsiella pneumoniae* multidrug resistant strain DF12SA with clindamycin: a molecular modelling and docking study. **J Mol Model**. [ISSN: 1610-2940 (Print); 0948-5023 (Online)] 19(3):973-83. (UGC: 24697)
10. Kushwaha H, Gupta S, **Singh VK**, Bisht NC, Sarangi BK, Yadav D. (2013) Cloning, *in silico* characterization and prediction of three dimensional structure of SbDof1, SbDof19, SbDof23 and SbDof24 proteins from Sorghum [*Sorghum bicolor* (L.) Moench]. **Mol Biotechnol**. [pISSN: 1073-6085;eISSN: 1559-0305] 54(1):1-12. (UGC: 31538)
11. Shahi SK, **Singh VK**, Kumar A. (2013) Detection of *Escherichia coli* and Associated  $\beta$ -Lactamases Genes from Diabetic Foot Ulcers by Multiplex PCR and Molecular Modeling and Docking of SHV-1, TEM-1, and OXA-1  $\beta$ -Lactamases with Clindamycin and Piperacillin-Tazobactam. **PLoS ONE**. [eISSN: 1932-6203] 8(7): e68234. doi:10.1371/journal.pone.0068234. (UGC: 37933)
12. Deshmukh R, **Singh VK**, Singh BD. (2014) Comparative phylogenetic analysis of genome-wide Mlo gene family members from *Glycine max* and *Arabidopsis thaliana*. **Mol Genet Genomics**. [ISSN: 1617-4615 (Print) 1617-4623 (Online)] 289(3):345-59. (UGC: 31561)
13. Gupta S, Kushwaha H, **Singh VK**, Bisht NC, Sarangi BK, Yadav D. (2014) Genome Wide *In Silico* Characterization of Dof Transcription Factor Gene Family of Sugarcane and Its Comparative Phylogenetic Analysis with *Arabidopsis*, Rice and Sorghum. **Sugar Tech**. [pISSN: 0972-1525; eISSN: 0974-0740] 1-13. (UGC: 22178)
14. Agrawal C, Sen S, Singh S, Rai S, Singh PK, **Singh VK**, Rai LC. (2014) Comparative proteomics reveals association of early accumulated proteins in conferring butachlor tolerance in three N(2)-fixing *Anabaena* spp. **J Proteomics**. [ISSN: 1874-3919] 96:271-90. (UGC:19385)
15. Singh S, Shrivastava AK, **Singh VK**. (2014) Arsenic and cadmium are inhibitors of cyanobacterial dinitrogenase reductase (nifH1) gene. **Funct Integr Genomics**. [pISSN: 1438-793X;eISSN: 1438-7948] 14(3):571-80. (UGC: 17835)
16. Jaiswal SK, **Singh VK**, Vaishampayan A, Dhar B, Dakora FD. (2014) DnaK protein interaction of phage marked Bradyrhizobium of soybean. **Annals of Microbiology**. [pISSN: 1590-4261;eISSN: 1869-2044] 64 (4): 1535-1542. (UGC: 15587)
17. Gontia-Mishra I, **Singh VK**, Tripathi N, Sasidharan S, Tiwari S. (2014) Computational identification, homology modelling and docking analysis of phytase protein from *Fusarium oxysporum*. **Biologia**. [ISSN: 0006-3088 (Print) 1336-9563 (Online)] 69 (10): 1283–1294. (UGC: 14680)

18. Kushwaha H, Jillo K W, **Singh VK**, Kumar A, Yadav D. (2015) Assessment of genetic diversity among cereals and millets based on PCR amplification using Dof (DNA binding with One Finger) transcription factor gene-specific primers. **Plant Systematics and Evolution**. [pISSN: 0378-2697; eISSN: 2199-6881] 301(2) 833-840. (UGC: 37878)
19. Gupta S, Malviya N, Kushwaha H, Nasim J, Bisht NC, **Singh VK**, Yadav D. (2015) Insights into structural and functional diversity of Dof (DNA binding with one finger) transcription factor. **Planta**. [pISSN: 0032-0935; eISSN: 1432-2048] 241(3):549-62. (UGC: 37884)
20. Shukla A, **Singh VK**, Bharadwaj DR, Kumar R, Rai A, et al. (2015) De Novo Assembly of Bitter Gourd Transcriptomes: Gene Expression and Sequence Variations in Gynoecious and Monoecious Lines. **PLoS ONE**. [eISSN: 1932-6203] 10(6): e0128331. doi: 10.1371/journal.pone.0128331 (UGC: 37933)
21. Jain A, Singh A, Singh S, **Singh V**, Singh HB. (2015) Comparative proteomic analysis in pea treated with microbial consortia of beneficial microbes reveals changes in the protein network to enhance resistance against *Sclerotinia sclerotiorum*. **Journal of Plant Physiology**. [ISSN: 0176-1617] 182 79–94. (UGC: 19259)
22. Chand R, Pal C, Singh V, Kumar M, **Singh VK** and Chowdappa P. (2015) Draft genome sequence of *Cercospora canescens* – a leaf spot causing pathogen. **Current Science** [ISSN 0011-3891] vol. 109(11):2103. (UGC: 14405)
23. Verma A, **Singh VK**, Gaur S. (2015) Computational based functional analysis of Bacillus phytases. **Comput Biol Chem**. [ISSN: 1476-9271] 60:53-58. doi: 10.1016/j.compbiolchem.2015.11.001. [Epub ahead of print] PubMed PMID: 26672917. (UGC: 16465)
24. Mohapatra C, Chand R, **Singh VK**, Singh AK, Kushwaha C. (2016) Identification and characterization of Mlo genes in pea (*Pisum sativum* L.) vis-à-vis validation of Mlo gene-specific markers. **Turk J Biol**, [E-ISSN: 1303-6092; ISSN: 1300-0152] 40: 184-195. (UGC: 35200)
25. Deshmukh R, **Singh VK**, Singh BD. (2016) Comparative analysis of genome-wide Mlo gene family in *Cajanus cajan* and *Phaseolus vulgaris*. **Genetica**. [ISSN: 0016-6707 (Print) 1573-6857 (Online)] 144(2):229-41. (UGC: 27510)
26. Deshmukh R, **Singh VK**, Singh BD. (2016) Mining the *Cicer arietinum* genome for the mildew locus O (Mlo) gene family and comparative evolutionary analysis of the Mlo genes from *Medicago truncatula* and some other plant species. **J Plant Res**. [pISSN: 0918-9440; eISSN: 1618-0860]. [Epub ahead of print] PubMed PMID: 27900493. (UGC: 19263)
27. Niveshika, Verma E, Mishra AK, Singh AK and **Singh VK**. (2016) Structural Elucidation and Molecular Docking of a Novel Antibiotic Compound from Cyanobacterium *Nostoc sp.* MGL001. **Front. Microbiol**. [ISSN:1664-302X (Electronic); 1664-302X (Linking)] 7:1899. doi: 10.3389/fmicb.2016.01899. (UGC:17739)

28. Gupta, Moni; **Singh, Vinay Kumar**; Gupta, Sachin.(2016) Molecular modeling and virtual docking studies on D1 protein of *Phalaris minor* biotypes with isoproturon. **Indian Journal of Biochemistry and Biophysics** [ISSN:0975-0959 (Online); 0301-1208 (Print)] IJBB Vol.53(1&2) [February-April 2016]39-43(**UGC: 20723**)
29. Singh K, Ahmad F, **Singh VK**, Kayastha K, Kayastha AM. (2017) Purification, biochemical characterization and *in silico* modeling of  $\alpha$ -amylase from *Vicia faba*, **Journal of Molecular Liquids**. [ISSN 0167-7322] 234: 133-141 (**UGC: 24693**)
30. Yadav S, Pandey SK, **Singh VK**, Goel Y, Kumar A, Singh SM. (2017) Molecular docking studies of 3-bromopyruvate and its derivatives to metabolic regulatory enzymes: Implication in designing of novel anticancer therapeutic strategies. **PLoS One**. 2017 May 2;12(5):e0176403. doi: 10.1371/journal.pone.0176403. PubMed PMID: 28463978; PubMed Central PMCID: PMC5413015. (**UGC: 37933**)
31. Aamir M, **Singh VK**, Meena M, Upadhyay RS, Gupta VK, Singh S. (2017) Structural and Functional Insights into WRKY3 and WRKY4 Transcription Factors to Unravel the WRKY-DNA (W-Box) Complex Interaction in Tomato (*Solanum lycopersicum* L.). A Computational Approach. **Front Plant Sci**. 2017 May 29;8:819. doi: 10.3389/fpls.2017.00819. PubMed PMID: 28611792; PubMed Central PMCID: PMC5447077.(**UGC: 17753**)
32. Srivastava A, **Singh VK**, Patnaik S, Tripathi J, Singh P, Nath G, Asthana RK. (2017) Antimicrobial assay and genetic screening of selected freshwater Cyanobacteria and identification of a biomolecule dihydro-2H-pyran-2-one derivative. **J Appl Microbiol**. [Online ISSN: 1365-2672] 2017 Apr;122(4):881-892. doi: 10.1111/jam.13385. Epub 2017 Feb 24. PubMed PMID: 28004519. (**UGC: 21413**)
33. Aamir M, **Singh VK**,Dubey MK, Kashyap SP, Zehra A, Upadhyay RS, Singh S. (2018) Structural and functional dissection of differentially expressed tomato WRKY transcripts in host defense response against the vascular wilt pathogen (*Fusarium oxysporum* f. sp. lycopersici).**PLoS One**. 2018 Apr 30;13(4):e0193922. doi:10.1371/journal.pone.0193922. eCollection 2018. PubMed PMID: 29709017; PubMed Central PMCID: PMC5927432. (**UGC: 37933**)
34. Aamir M, **Singh VK**,Dubey MK, Meena M, Kashyap SP, Katari SK, Upadhyay RS, Umamaheswari A, Singh S. (2018) *In silico* Prediction, Characterization, Molecular Docking, and Dynamic Studies on Fungal SDRs as Novel Targets for Searching Potential Fungicides Against Fusarium Wilt in Tomato. **Front Pharmacol**. 2018 Oct 22;9:1038. doi: 10.3389/fphar.2018.01038. eCollection 2018. PubMed PMID: 30405403; PubMed Central PMCID: PMC6204350.(**UGC: 17751**)
35. Sarkar D, **Singh VK**, Singh SK. (2018) Maternal BDE-209 exposure during lactation perturbs steroidogenesis, germ cell kinetics and THR $\alpha$ 1 expression in testes of prepubertal mice offspring. **Food Chem Toxicol**. 2018 Dec;122:104-119.

doi:10.1016/j.fct.2018.10.025. Epub 2018 Oct 6. PubMed PMID: 30300726.(UGC :17454)

36. Pandey SK, Yadav S, Goel Y, Temre MK, **Singh VK**, Singh SM. (2019) Molecular docking of anti-inflammatory drug diclofenac with metabolic targets: Potential applications in cancer therapeutics. **J Theor Biol.** 2019 Mar 21;465:117-125. doi:10.1016/j.jtbi.2019.01.020. Epub 2019 Jan 14. PubMed PMID: 30653975.(UGC :211373)
37. NavatheS,Singh S,**Singh VK**, ChandRamesh, Mishra VK, Joshi AK (2019) Genome-wide mining of respiratory burst homologs and its expression in response to biotic and abiotic stress in *Triticum aestivum*. **Genes & Genomics.** 2019. <https://doi.org/10.1007/s13258-019-00821-x>(UGC :27484)
38. Aamir M, Kashyap SP, Zehra A, Dubey MK, **Singh VK**, Ansari WA, Upadhyay RS, Singh S. (2019)*Trichoderma erinaceum* Bio-Priming Modulates the WRKYs Defense Programming in Tomato Against the *Fusarium oxysporum* f. sp. lycopersici (Fol) Challenged Condition. **Front Plant Sci.** 2019 Jul 30;10:911. doi:10.3389/fpls.2019.00911. eCollection 2019. PubMed PMID: 31428107; PubMed Central PMCID: PMC6689972.(UGC :17753)
39. Singh S, **Singh VK** and Rai G. (2019) Identification of Differentially Expressed Hematopoiesis-associated Genes in Term Low Birth Weight Newborns by Systems Genomics Approach. **Current Genomics** 10.2174/1389202920666191203123025.(UGC :14221)
40. Modi A, Singh M, Gutti G,Shanker OR, **Singh VK** et al. (2020) Benzothiazole derivative bearing amide moiety induces p53-mediated apoptosis in HPV16 positive cervical cancer cells. **Invest New Drugs.** 38(4):934-945. doi:10.1007/s10637-019-00848-7. (UGC :8835)
41. Singh, K., Tripathi, P.K., **Singh, V.K.** et al. (2020) In Silico Analysis of New Potent Anti-hyperglycemic Molecule for Diabetes Type 2 Management. **Int J Pept Res Ther** 26, 1031–1042 (2020). <https://doi.org/10.1007/s10989-019-09905-4>. (UGC :23306)
42. Bhushan R, Rani A, Ali A, **Singh VK**,Dubey PK. (2020) Bioinformatics enrichment analysis of genes and pathways related to maternal type 1 diabetes associated with adverse fetal outcomes. **J Diabetes Complications.** 2020 Feb 3:107556. doi:10.1016/j.jdiacom.2020.107556. [Epub ahead of print] PubMed PMID: 32046932.(UGC :7099)
43. Agarwal P, Patel K, More P, Sapara KK, **Singh VK**,Agarwal PK. (2020) The AlRabring7 E3-Ub-ligase mediates AlRab7 ubiquitination and improves ionic and oxidative stress tolerance in *Saccharomyces cerevisiae*. **Plant PhysiolBiochem.** 151:689-704. doi:10.1016/j.plaphy.2020.03.030. (UGC :31006)
44. Aamir, M, Karmakar P, **Singh VK**, Kashyap SP, Pandey S, Singh BK, Singh PM, Singh Jagdish (2021) A Novel Insight into Transcriptional and Epigenetic Regulation

underlying Sex expression and Flower development in Melon (*Cucumis melo*. L.). **Physiologia Plantarum** (<https://onlinelibrary.wiley.com/doi/epdf/10.1111/ppl.13357>)

45. Goel Yugal, Yadav Saveg, Pandey Shrish Kumar, TemreMithlesh Kumar, **Singh Vinay Kumar**, Kumar Ajay, **Singh Sukh Mahendra** (2021) Methyl Jasmonate cytotoxicity and chemosensitization of T cell lymphoma in vitro is facilitated by HK 2, HIF-1 $\alpha$ , and Hsp70: implication of altered regulation of cell survival, pH homeostasis, mitochondrial functions. **Frontiers in Pharmacology, section Pharmacology of Anti-Cancer Drugs** (<https://doi.org/10.3389/fphar.2021.628329>)
46. Yadav Jitendra Kumar, Yadav Priyanka, **Singh Vinay Kumar**, Agarwal Alka(2021) Molecular docking and density functional theory studies of potent 1,3-disubstituted-9H-pyrido[3,4-b]indoles antifilarial compounds. **Structural Chemistry**. <https://doi.org/10.1007/s11224-021-01772-4>
47. Yadav Sangeeta, Anand Gautam, **Singh Vinay K**, Yadav Dinesh (2021) Molecular Cloning and Structural Insights into Pectin Lyase Proteins from Different Strains of Fusarium. **Current Proteomics**. Volume 18, Issue 3, DOI: 10.2174/1570164617999200720170153
48. Gond M K, Pandey Shivendra Kumar, Singh R, Bharty Manoj K, Manna Partha Pratim, Singh V K, Maiti Biswajit, Prasad Lal Bahadur, Butcher R J (2022) In Vitro and In-silico Anticancer Activities of Mn(II), Co(II), and Ni(II) Complexes: Synthesis, Characterizations, Crystal structures, and DFT Studies. **New Journal of Chemistry** DOI link: <https://doi.org/10.1039/D2NJ00264G>.
49. Kumar Vipin, Mishra Ayushi, **Singh Vinay Kumar** and Singh Anchal (2022) Targeting the HIV-1 Tat and Human Tat protein complex through natural products: An in silico docking and Molecular Dynamics Simulation Approach. **Letters in Drug Design & Discovery** DOI: 10.2174/1570180819666220330122542.
50. Gupta, A., Sahu, N., Singh, A.P., **Singh V.K.** et al. (2022) Exploration of Novel Lichen Compounds as Inhibitors of SARS-CoV-2 Mpro: Ligand-Based Design, Molecular Dynamics, and ADMET Analyses. **Appl Biochem Biotechnol**. <https://doi.org/10.1007/s12010-022-04103-3>
51. Yadav, K., Dwivedi, S., Gupta, S., Dubey, A. K., **Singh, V. K.**, Tanveer, A., Yadav, S., & Yadav, D. (2022). Genome mining of Fusarium reveals structural and functional diversity of pectin lyases: a bioinformatics approach. **3 Biotech**, 12(10), 261. <https://doi.org/10.1007/s13205-022-03333-w>
52. Kumar, R., Rai, A., Rai, A.C., **Singh, V.K.** et al. De novo assembly, differential gene expression and pathway analyses for anthracnose resistance in chilli (*Capsicum annuum* L.). **J. Plant Biochem. Biotechnol.** 31, 124–138 (2022). <https://doi.org/10.1007/s13562-021-00668-y>
53. Tiwari, K., Gangopadhyay, A., Singh, G., **Singh, V. K.**, & Singh, S. K. (2022). Ab initio modelling of an essential mammalian protein: Transcription Termination Factor 1



(TTF1). **Journal of biomolecular structure & dynamics**, 1–10. Advance online publication. <https://doi.org/10.1080/07391102.2022.2109754>

54. Kumar, A., **Singh, V. K.**, & Kayastha, A. M. (2022). Molecular modeling, docking and dynamics studies of fenugreek (*Trigonella foenum-graecum*)  $\alpha$ -amylase. **Journal of biomolecular structure & dynamics**, 1–16. Advance online publication. <https://doi.org/10.1080/07391102.2022.2144458>
55. Temre MK, Devi B, **Singh VK**, Goel Y, Yadav S, Pandey SK, Kumar R, Kumar A, Singh SM. Molecular characterization of glutor-GLUT interaction and prediction of glutor's drug-likeness: implications for its utility as an antineoplastic agent. **J Biomol Struct Dyn**. 2022 Dec 26:1-12. doi: 10.1080/07391102.2022.2161010. Epub ahead of print. PMID: 36571488.
56. Gupta, A., Sahu, N., **Singh, V.K.** et al. Evolutionary aspects of mutation in functional motif and post-translational modifications in SARS-CoV-2 3CLpro (Mpro): an in-silico study. **J Proteins Proteom** (2023). <https://doi.org/10.1007/s42485-023-00105-9>
57. Jaiswal, L.K., Singh, R.K., Nayak, T. **Singh, V.K.**, Gupta, A. Heterologous Expression, Purification and Structural Characterization of Ribonuclease E from *Mycobacterium smegmatis*. **Iran J Sci** (2023). <https://doi.org/10.1007/s40995-023-01467-x>

#### Research paper in reputed journals

1. Yadav D, **Singh VK**, Singh NK. (2007) *In silico Cis-regulatory Elements Analysis of Seed Storage Protein Promoters Cloned from Different Cultivars of Wheat, Rice and Oat* Online Journal of Bioinformatics [ISSN: 1443-2250]. 8 (2): 1-9.
2. Marla S, **Singh VK**. (2007) PGV - Prokaryotic Genome Viewer. In *Silico Biology*. [ISSN Print 1386-6338; ISSN Online 1434-3207]. 7(4-5):543-545. (UGC: 20660)
3. Kushwaha H, Gupta N, **Singh VK**, Kumar A, Yadav D. (2008) *In silico analysis of PCR amplified DOF (DNA binding with one finger) transcription factor domain and cloned genes from cereals and millets*. Online Journal of Bioinformatics [ISSN 1443-2250]. 9 (2): 130-143.
4. Yadav D., **Singh VK**, Sarita, Bisht NC, Singh NK. (2008) *PCR Based cloning of seed storage protein promoters of wheat, oat and rice and their in-silico analysis of Cis-regulatory elements* (2008) *Bioinformatics Trends* 3(2&3) 67- 74.
5. **Singh VK**, Ambwani S, Marla S, Kumar A. (2009) *Cry-Bt identifier: a biological database for PCR detection of Cry genes present in transgenic plants*. *Bioinformation*. [Online ISSN 0973-2063; Print ISSN 0973-8894] 4(5):182-3.
6. Dubey AK, Yadav S, Kumar M, **Singh VK**, Sarangi BK, Yadav D. (2010) *In silico characterization of pectate lyase protein sequences from different source organisms*. *Enzyme Research*. [ISSN 20900406; 20900414] 2010:950230. (UGC: 19866)

7. **Singh VK**, Singh AK, Chand R and Kushwaha C. (2011) Role of bioinformatics in agriculture and sustainable development. International Journal of Bioinformatics Research. [ISSN online: 0975-9115; ISSN print:0975-3087] 3 (2):221-226
8. Chaturvedi N, Shanker S, **Singh VK**, Sinha D, Pandey PN. (2011) Hidden markov model for the prediction of transmembrane proteins using MATLAB. Bioinformation. [Online ISSN 0973-2063; Print ISSN 0973-8894] 7(8):418-21.
9. Kumari N, **Singh VK**, Narayan OP, Rai LC. (2011) Toxicity of butachlor assessed by molecular docking with NusB and GroES protein. Online J Bioinformatics [ISSN: 1443-2250], 12(2):289-303.
10. Yadav D, Kushwaha H, Gupta S, Kashyap S and **Singh VK** (2011) *In silico* Characterization of DOF (DNA binding with One Finger) transcription factor genes in different crops (2011) Journal of Computational Intelligence in Bioinformatics. [ISSN: 0973-385X] 4(1):63-70.
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61. Kumar Avinash, **Singh Vinay Kumar**, Kayastha Arvind M. (2023) Molecular Modeling, Docking and Dynamics Studies of Fenugreek (*Trigonella foenum-graecum*)  $\alpha$ -Amylase. Published in Souvenir cum Abstract Book of Exploring New Horizons in Biotechnology (ENB-2023), page no. 232

#### **Chapters contributed to books:**

1. **Singh V**, Marla S, Kumar A. Bioinformatics Application to Crop Improvement. Book: Applications of Plant Biotechnology, I.K. International Publishing House Pvt. Ltd., India. 2010 pp 392-429.
2. **Singh VK**, Singh AK, Kayastha AM, Singh BD (2014) Bioinformatics for legume genomics research. in: Gupta S, Nadarajan N, Gupta D.S. (Eds.) Legumes in the Omic Era. Springer, New York, Chapter 12: pp. 249-275.
3. **Singh VK**, Singh AK, Singh S, Singh BD (2016) Next-Generation Sequencing (NGS) Tools and Impact in Plant Breeding. in: Al-Khayri, Jameel M., Jain, Shri Mohan, Johnson, Dennis V (Eds.) Advances in Plant Breeding Strategies: Breeding, Biotechnology and Molecular. Springer Switzerland, Chapter 20: pp. 563-612.
4. Singh S and **Singh VK** (2020) Molecular Dynamics Simulation: Methods and Application. in: SinghDevBukhshand TripathiTimir (Eds.) Frontiers in Protein Structure, Function, and Dynamics, Springer Nature Switzerland AG, pp. 213-238.
5. AamirM, Singh S, **Singh VK** (2020) Bioinformatics in Plant Pathology. in: Krishna P. Singh et al. (Eds): Emerging Trends in Plant Pathology , 978-981-15-6274-7, 487424\_1\_En, (Chapter 32)

#### **Involved in different genome/transcriptome/RRL sequencing projects at national level**

1. *Cercospora canescens* genome sequencing (WGS Accession: ANSM00000000)
2. *Momordica charantia* gynoeocious line Gy323 transcriptome sequencing (TSA Accession: GANF00000000)
3. *Momordica charantia* monoecious line DRAR1 transcriptome sequencing (TSA Accession: GANG00000000)
4. *Capsicum annuum* Resistance IIVRC452 transcriptome sequencing (TSA Accession: GAXU00000000)
5. *Capsicum annuum* Susceptible PusaJwalatranscriptome sequencing (TSA Accession: GAXV00000000)
6. *Solanum melongena* Ramnagar Giant transcriptome sequencing (TSA Accession: GAYR00000000)
7. *Solanum incanum* W4 transcriptome sequencing (TSA Accession: GAYS00000000)
8. *Solanum lycopersicum* RRL sequencing (SRA Accession: SRR1186825)

#### **Seminar/Conference/Workshop Attended**

1. Bioinformatics: Tools & Resources organized by Biotech Park, Lucknow
2. Emerging Trends in Bioinformatics organized by CSI (Delhi) & National Centre for Agricultural Economics and policy Research, New Delhi

3. Application of Linux in Bioinformatics & Biocomputing organized by Bioinformatics Centre, Himachal Pradesh University, Shimla
4. Machine Learning Techniques in Functional Genomics organized by Bioinformatics Centre, Institute of Microbial Technology, Chandigarh
5. Indo-Russian Seminar on Recent Trends in Applied Bioinformatics and Medi-informatics organized by Indian Institute of Information technology, Allahabad
6. Computational Biochemistry: Approaches and Applications organized by Bioinformatics Centre, Himachal Pradesh University, Shimla
7. Fundamentals of Protein Docking organized by Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Udham Singh Nagar, Uttarakhand
8. Scientific Computing: Theory and Practices conducted by Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Udham Singh Nagar, Uttarakhand
9. International Conference on Bioinformatics-2006 organized by IIT Delhi, DBT and JNU
10. Creation and Management of Biological Databases organized by Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Udham Singh Nagar, Uttarakhand
11. Advances in Computer Science & Technology organized by Shri Ram Murti Smarak College of Engineering & Technology, Bareilly
12. International Conference of Managing Sustainable Development of rural Economy and Agri Business (INCONBHU11) organized by Banaras Hindu University, Varanasi
13. Emerging Trends in Plant Sciences organized by Department of Botany, Banaras Hindu University, Varanasi
14. Protein Modeling & Simulation for Biological Research organized by School of Biotechnology, Banaras Hindu University, Varanasi
15. Computer Solutions in Drug Designing organized by Jaypee Institute of Information Technology University, Noida
16. Genomics and the Future of Medicine organized by Human Genome Meeting 2008, HICC, Hyderabad
17. NextGen Genomics and Bioinformatics Technologies (NGBT) organized by SciGenom Research Foundation, IGIB, New Delhi
18. Biotechnology and Human Welfare: New Vistas organized by Department of Biotechnology, Veer Bahadur Singh Purvanchal University, Jaunpur
19. Symposium on Network Biology organized by Indraprastha Institute of Information Technology, Delhi

#### **Online courses/online quizzes/participation in webinars**

1. IT Disaster Recovery – Breaking Myths for Resilience organized by BVICAM, New Delhi
2. Research Ethics in Engineering organized by Institute of Global Professionals
3. STEM in Education organized by Institute of Global Professionals
4. Education Expansion through Educational Research organized by Institute of Global Professionals
5. Teaching Methodology organized by Institute of Global Professionals

6. Significance of Virtual Reality organized by Institute of Global Professionals
7. Teaching in a Multicultural Classroom organized by Institute of Global Professionals
8. Health and Well-being in Schools organized by Institute of Global Professionals
9. AI in Electrical Power Systems organized by BVICAM, New Delhi
10. Bloom Taxonomy in Education organized by Institute of Global Professionals
11. Personality Development & Personal Grooming as a Teacher organized by Institute of Global Professionals
12. Applications of ICT among e-entrepreneurs organized by Institute of Global Professionals
13. Biodiversity organized by Institute of Global Professionals
14. Bionematicide: Potential Biopesticide from Non-edible Plants for Food Security organized by Institute of Global Professionals
15. Differentiated Instruction and Students Success organized by Institute of Global Professionals
16. Power Quality: Issues & Solutions organized by Institute of Global Professionals
17. Video Resume: Capturing Your Potentials organized by Institute of Global Professionals
18. Lifestyle for Environment organized by Institute of Global Professionals
19. Communication Skills organized by Institute of Global Professionals
20. Assessments for Case & Project Language Classrooms organized by Institute of Global Professionals
21. Enhancing Students Interest in Studies organized by Institute of Global Professionals
22. Student Centric Learning organized by Institute of Global Professionals
23. Robotics Process Automation organized by BVICAM, New Delhi
24. Application of Machine Learning Techniques organized by Institute of Global Professionals
25. A Walkthrough To Google Jamboard and It's Various Applications organized by Institute of Global Professionals
26. How Our Diets & Lifestyle Effects Our Planet & The Animals organized by Institute of Global Professionals
27. Work and Home Balance organized by Institute of Global Professionals
28. The Importance of Education organized by Institute of Global Professionals
29. Effective Communication Skills organized by Institute of Global Professionals
30. Impact of Technology on Education System organized by Institute of Global Professionals
31. Be The Leader Like Mahatma Gandhi organized by Institute of Global Professionals
32. Equipping 21st Century Learners with Digital Skills organized by Institute of Global Professionals
33. IP Awareness/ Training Program organized by Intellectual Property Office, India

34. E-Learning: Teaching & Learning in Contemporary Education System organized by Institute of Global Professionals
35. Educational Leadership Cum Partnership Building organized by Institute of Global Professionals
36. Equip Yourself to Lead Change organized by Institute of Global Professionals
37. Immersive Learning organized by Institute of Global Professionals
38. Risk Reduction and Management in the Workplace organized by Institute of Global Professionals
39. A Superior For of Education in Digital Age organized by Institute of Global Professionals
40. Setting Healthy Boundaries in the Workplace organized by Institute of Global Professionals
41. ICT Integration in Education organized by Institute of Global Professionals
42. Human Potential organized by Institute of Global Professionals
43. Building Strong Partnerships in Education: Strategies for Success organized by Institute of Global Professionals
44. The 4Ps for Self Transformation organized by Institute of Global Professionals
45. Time Management organized by Institute of Global Professionals
46. The importance of Literature in Modern Times organized by Institute of Global Professionals
47. Stress Management organized by Institute of Global Professionals
48. Foundational Education and Pedagogies organized by Institute of Global Professionals
49. Importance of Muscle Hypertrophy for Better Sporting Outcomes organized by Institute of Global Professionals
50. The CBT Approach in Technical Education organized by Institute of Global Professionals
51. Need of E-Content Development in Education organized by Institute of Global Professionals
52. Cloud Computing: Digital Transformation organized by BVICAM, New Delhi
53. Recent advances in breeding for healthier rice organized by Bioingene
54. Quality Management Plus organized by Institute of Global Professionals
55. Research Hypothesis organized by Institute of Global Professionals
56. Memory and Forgetting in Education organized by Institute of Global Professionals
57. Effective Virtual Classroom Management For Effective and Interactive Learning organized by Institute of Global Professionals
58. Intelligence Skills by Education organized by Institute of Global Professionals
59. Higher Education and Post COVID Challenges organized by Institute of Global Professionals
60. Effective Time Management organized by Institute of Global Professionals

61. Genetics, Genomics and breeding of tree bamboos: emerging prospects and future challenges organized by Bioingene
62. Data Analytics for Business Value Maximization organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
63. Threats to Research Data Validity organized by Institute of Global Professionals
64. Writing Annotated Bibliography organized by Institute of Global Professionals
65. Secret of a Popular Teacher organized by Institute of Global Professionals
66. Leading from Me to We : Innate to Profound Leadership organized by Institute of Global Professionals
67. Teachers Leadership & Classroom Management organized by Institute of Global Professionals
68. Cloud Computing: Technical & Business Perspectives organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
69. Automated annotation UniProt organized by European Bioinformatics Institute (EMBL-EBI), Wellcome Genome Campus, Hinxton, Cambridge CB10 1SD, United Kingdom
70. Anger Management organized by Institute of Global Professionals
71. Scientific Research organized by Institute of Global Professionals
72. The Powerful Impact of Digital Etiquette in the 21st Century organized by Institute of Global Professionals
73. Common Mistakes in Classroom Management organized by Institute of Global Professionals
74. Gradual Release of Responsibility organized by Institute of Global Professionals
75. Literary Works for Humanizing People organized by Institute of Global Professionals
76. Humanity and Wars within the self organized by Institute of Global Professionals
77. Artificial Intelligence Transformation in the Education Sector organized by Institute of Global Professionals
78. Communication Skills and Personality Development organized by Institute of Global Professionals
79. The Exceptional Speaker organized by Institute of Global Professionals
80. Recent Trends in Application of Artificial Intelligence organized by Institute of Global Professionals
81. Ethical Standards for Students' Career and Development organized by Institute of Global Professionals
82. Managing Workforce Diversity and Wellness organized by Institute of Global Professionals
83. Refereeing a research Article organized by Institute of Global Professionals
84. The Importance of Continuous Professional Development for Teachers organized by Institute of Global Professionals



85. Technological Trends and Innovations in Education organized by Institute of Global Professionals
86. Quality Education is Future Education organized by Institute of Global Professionals
87. Top Principles from Psychology for Teaching and Learning organized by Institute of Global Professionals
88. Impact of Flexible Learning to Education management organized by Institute of Global Professionals
89. Leadership: You as a Leader organized by Institute of Global Professionals
90. Turn Your Critics into Your Strengths organized by Institute of Global Professionals
91. Mental Health in Work Place organized by Institute of Global Professionals
92. Sustainable Leadership Development organized by Institute of Global Professionals
93. Pathogen variation and evolution insights to determine the sustainability of disease resistance in plants organized by Bioingene
94. Digital Key: A Big Revolution for Secured Transportation organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
95. AI in Cyber Security organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
96. Simplifying IPR and Patent Filing organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
97. AI in Healthcare and Medicine organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
98. NEP-2020: Challenges and Opportunities organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
99. Citation Management through Mendeley organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
100. Oil palm and palm oil - a common man's perspective organized by Bioingene
101. Cyber Security, Cyber Warfare and Cyber Citizenship organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
102. Compression - The Heart of Digital Revolution organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
103. From Innovative Ideas to Scholarly Books and Open Access in Biological Sciences organized by Taylor & Francis Group
104. Roots of the Second Green Revolution organized by Bioingene
105. Gamification in Education and Research organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
106. AI based Transformer Technologies organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi

107. Sequencing the genome of the French wheat variety Renan organized by International Wheat Genome Sequencing Consortium
108. Computing Sciences: Historical Perspective organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
109. Multitasking: Myth and Challenges organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
110. Data Privacy - A Humanistic Perspective organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
111. Tissue Culture of Ornamentals Plants: Significance, Best Practices, and Way Forward organized by APAARI, BCIL & APCoAB
112. Computational Thinking: De-facto Skill for 21st Century Educated Youth organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
113. Digital Twin: New Normal for IR 4.0 organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
114. Augmented Reality & Virtual Reality Workshop organized by University Department of Information and Communication Technology, MGM University, Aurangabad in association with World Resources Webinar
115. Data Science & its Applications organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
116. National Intellectual Property Awareness Mission (NIPAM) organized by NIPAM Team, Intellectual Property India
117. Tissue Culture of Tree/Woody Plants: Significance & Quality Management Practices and Way Forward organized by APAARI, BCIL & APCoAB
118. Specialization Quiz on Online Financial Frauds organized by Indian Cyber Crime Coordination Centre (I4C), MHA & MyGov
119. Har Ghar Tiranga Quiz 2022 organized by Ministry of Culture & MyGov
120. Tissue Culture of Tree/Woody Plants (Bamboo & Teak): Significance, Best Practices and Way Forward organized by Biotech Consortium India Limited
121. AI – Technology, Use Cases and the Way Forward organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
122. Resilient Humans – Key to Performance organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
123. Challenges and research opportunities in oil palm tissue culture organized by Bioingene.com
124. Authentication: Password & Beyond organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
125. International Lecture on Potentials of GitHub organized by A2Z EduLearningHub, India

126. Museum Genomics of Australia's Native Rodents organized by Illumina APJ Marketing
127. Artificial Intelligence Workshop organized by World Resources Webinar
128. Low Code Platforms (HpAPaaS): Future of Software Development organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
129. Knowing Yoga Quiz 2022 organized by NCERT & MyGov
130. Jal Jeevan Mission Sabka Vikas Maha Quiz 2022 organized by MyGov
131. 5G: Myths and Challenges organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
132. Extensive exploration of wild relatives diversity for wheat breeding: from the gene bank to the field organized by International Wheat Genome Sequencing Consortium (IWGSC), United States
133. NEP Implementation with special reference to Multiple Entry and Exit" organized by HRDC DAV, Indore
134. Impact of AlphaFold on research and development by European Bioinformatics Institute (EMBL-EBI), Wellcome Genome Campus, Hinxton, Cambridge CB10 1SD, United Kingdom
135. Tissue Culture of Perennial fruit/cash Crops: Significance, Best Practices and Way Forward organized by Biotech Consortium India Limited (BCIL) and Asia-Pacific Association of Agricultural Research Institutions (APAARI) and APCoAB.
136. IPR awareness/training program under the special mission called "National Intellectual Property Awareness Mission (NIPAM)" NIPAM Team, Intellectual Property India Jointly Organized by Intellectual Property Office and MoE's Innovation Cell, India
137. Impact of AlphaFold on teaching and training in life sciences organized by European Bioinformatics Institute (EMBL-EBI), Wellcome Genome Campus, Hinxton, Cambridge CB10 1SD, United Kingdom
138. Ethics in Research Publications organized by A2Z EduLearningHub, India
139. The Metaverse: A Common Man's View organized by BVICAM, New Delhi
140. Scope and vision of AlphaFold organized by European Bioinformatics Institute (EMBL-EBI), Wellcome Genome Campus, Hinxton, Cambridge CB10 1SD, United Kingdom
141. Wildlife crime and forensics organized by The Nature's Eye
142. Default is Digital: Trends and Opportunities organized by BVICAM, New Delhi
143. Interpreting Environmental Organized crime organized by Jindal Institute of Behavioral Sciences (JIBS), O.P. Jindal Global University, Sonapat, Haryana
144. Artificial Intelligence (AI) and Media organized by BVICAM, New Delhi
145. Project Management Foundations: Teams through e-Skill India platform
146. Digital Transformation organized by SRISIIM

147. Current approaches and future directions for rhizosphere microbiome sampling methodologies organized by Phytobiomes Alliance
148. Essential knowledge: Management of PGT-A cycle organized by European Society of Human Reproduction and Embryology
149. e-Science & e-Research: Practices & Potentials for Science & Research in Digital Age organized by BVICAM, New Delhi
150. Role of Higher Education for Sustainable Development organized by Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur
151. Artificial Intelligence, Machine Learning/Deep Learning in industry and healthcare organized by Dept. of Information Technology, JNEC and University Department of Information and Communication Technology (UDICT), MGM University, Aurangabad
152. Essential knowledge: Ethical dilemmas in reproductive medicine organized by European Society of Human Reproduction and Embryology
153. Leadership, Ethics & Values organized by UGC-HRDC, JNVU, Jodhpur
154. Research in Digital Age: Problems and Opportunities organized by BVICAM, New Delhi
155. Essential knowledge: Cross-border reproductive care organized by European Society of Human Reproduction and Embryology
156. E-Quiz on Intellectual Property Rights conducted as part of World Intellectual Property Rights Day Department of Management, IPR Cell and Department of Library and Information Center, Christ College of Science and Management, Karnataka
157. A Journey from Matrix Learning to Machine Learning organized by Government Engineering College - Rajkot, Gujarat
158. The memory of trees. Molecular insights in priming and increased stress tolerance organized by Bioingene
159. Copyrights: What, Why and How (Live Vodcast) organized by BVICAM, New Delhi
160. A window to the underground organized by Phytobiomes Alliance
161. Emerging Trends and Challenges in Higher Education and Research organized by FDP Team, Prince Group of Institutions
162. Future of Higher Education in the Digital-First Economy organized by Team India Didactics Association
163. Recent Advances in Biometrics Security with Machine Learning organized by Government Engineering College - Rajkot, Gujarat
164. Elements of New 5G Radio Access Networks: Open, Cloud Native & Intelligent organized by BVICAM, New Delhi
165. Role of Machine Learning in Cyber Forensics, Zero Trust in CyberSpace 2022 (ZTCS2022) organized by Centre for Excellence in Theoretical and Computational Sciences and University Department of Information Technology, University of Mumbai

166. Career Opportunities in Cyber Space, Zero Trust in CyberSpace 2022 (ZTCS2022) organized by Centre for Excellence in Theoretical and Computational Sciences and University Department of Information Technology, University of Mumbai
167. Cyber Laws in India, Zero Trust in CyberSpace 2022 (ZTCS2022) organized by Centre for Excellence in Theoretical and Computational Sciences and University Department of Information Technology, University of Mumbai
168. Cyber Security Tools & Techniques, Zero Trust in CyberSpace 2022 (ZTCS2022) organized by Centre for Excellence in Theoretical and Computational Sciences and University Department of Information Technology, University of Mumbai
169. Challenges and Research Opportunities in Cyber Security, Zero Trust in CyberSpace 2022 (ZTCS2022) organized by Centre for Excellence in Theoretical and Computational Sciences and University Department of Information Technology, University of Mumbai
170. Current Status of Cyber Security in India & Aboard, Zero Trust in CyberSpace 2022 (ZTCS2022) organized by Centre for Excellence in Theoretical and Computational Sciences and University Department of Information Technology, University of Mumbai
171. Plagiarism in Academic Research & Author Identifiers organized by Indian Institute of Management and Commerce(IIMC), Hyderabad
172. Biotech Inventions: Essentials of Drafting and Filing A Robust Patent Application organized by Technology Transfer Office (TTO), Biotech Consortium India Limited (BCIL)
173. Cybersecurity Workshop organized by World Resources Webinar
174. Cyber Warfare, Cyber Security and Cyber Citizenship organized by BVICAM, New Delhi
175. Induced mutations and TILLING in the era of genome editing organized by Global Engage
176. Cyber Forensic Audit: Changing Role of Auditors organized by BVICAM, New Delhi
177. Assessing Soil Health at Scale and Incorporating Measures of the Microbiome organized by Phytobiomes Alliance
178. 2nd International Symposium on Crime Studies (2022) organized by Centre for Criminology & Forensic Studies (CCFS), Jindal Institute of Behavioural Sciences, O. P. Jindal Global University
179. Digital Humanities organized by BVICAM, New Delhi
180. NextSeq 1000/2000: Introduction organized by Illumina
181. Randomization Based Deep and Shallow Learning for Classification organized by BVICAM, New Delhi
182. A Visual Introduction to Deep Learning organized by Government Engineering College, Rajkot
183. IPR and Patents organized by Rajeev Gandhi College of Management Studies (RGCMS), Navi Mumbai

184. 5G Technologies and Smart Health organized by World Resources Webinar
185. Wireless Ad hoc & Sensor Networks organized by CICMS, Bengaluru
186. Machine Learning Algorithms and Behaviour of Data organized by BVICAM, New Delhi
187. National Intellectual Property Awareness Mission (NIPAM) at Institute of Science, Banaras Hindu University organized by NIPAM Team, Intellectual Property Office, India
188. Solving a 100-year old mystery: Cloning the P1 locus in *Triticum polonicum* organized by IWGSC and John Innes Centre
189. Phishing Attack in Cyber World organized by University of Lucknow
190. Web of Science Certification Program 2022 organized by Web of Science
191. Machine Learning – Simplified organized by BVICAM, New Delhi
192. International interactive session (interview) with Prof. Mangala Rai, Ex-DG, ICAR, India organized by Bioingene
193. Cyber-Physical-Social-System - The Foundation of IR 5.0 organized by BVICAM
194. Artificial Intelligence (AI) and Mass Media organized by BVICAM, New Delhi
195. Cyber Security organized by T.C. College, Baramati
196. Role of Computational Reasoning for Effective Research organized by BVICAM, New Delhi
197. Education 4.0: Role of AI in Transforming Academia organized by BVICAM, New Delhi
198. Digital Health using Mobile Technologies organized by BVICAM, New Delhi
199. Quiz on Natural Farming organized by Ministry of Agriculture & MyGov, Government of India
200. Kashi Quiz organized by UP Tourism & MyGov, Government of India
201. Work from Home – New Norm? Opportunities and Challenges organized by BVICAM
202. Containerisation & DevOps Practices for Bioinformaticians organized by Centre of Excellence in Health Care Technologies and Informatics (CEHTI), Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Waknaghat-173234, Solan, HP
203. Entrepreneurship Ideas for Biotechnology Researchers and Students EIBRS 2021 organized by Banaras Hindu University (BHU), Varanasi
204. Advanced Tools for Genome Studio organized by Illumina APJ Marketing
205. Education for Anyone, Anytime and Anywhere: NEP2020 & Beyond organized by BVICAM
206. India International Science Festival (IISF) 2021 quiz organized by India International Science Festival & MyGov
207. Dekho Apna Desh Webinar Quiz : Dev Deewali organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India

208. Dekho Apna Desh Webinar Quiz- Leading from the Front: Being Gandhi organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
209. Quiz on Dekho Apna Desh Webinar: Relevance of Netaji Subhas Chandra Bose in 21st Century organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
210. Password and Wi-Fi Security organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
211. Securing Online Payments organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
212. Mobile Security organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
213. General Online Safety organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
214. Securing Personal Data organized by MyGov National Informatics Centre, Ministry of Electronics & Information Technology, Government of India
215. Industry 4.0 - Trends and Challenges organized by BVICAM
216. Challenges and opportunities in positional cloning and structural variation in polyploidy organized by IWGSC
217. FuSe: A Tool for Functional Analysis of RNA-Seq Data organized by Centre of Excellence in Health Care Technologies and Informatics (CEHTI), Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology (JUIT), Solan
218. ANN Basics, Deep Learning & its Applications organized by BVICAM
219. Security Audit: A Key to Risk Assessment and Protection of IT Systems organized by BVICAM
220. Interaction between wheat cis- and trans-factors in shaping regulatory networks organized by IWGSC
221. Professional Development for plant science enthusiasts organized by Bioingene
222. Integration of Herbal Drugs with Modern Medicines to Combat COVID-19 and Future Pandemics organized by School of Pharmacy, ITM (SLS) Baroda University, Vadodara, Gujarat
223. Single-Cell Omics Sequencing Technology: The Third Generation organized by The PacBio APAC Team
224. Sequencing Analysis Viewer (SAV): A Beginner's Guide organized by Illumina
225. Cyber Security & Awareness organized by SMS College of Arts & Science & VIPNET Science Club, Coimbatore, Tamilnadu
226. Designing formative assessments for effective learning outcomes organized by Turnitin South Asia

227. 7<sup>th</sup> World Parliament of Science, Religion and Philosophy organized jointly by the MIT World Peace University and MIT ADT University
228. Research and Technological Advancements in Bioinformatics organized by Centre of Excellence in Health Care technologies and Informatics (CEHTI), Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh
229. Development and Implementation of Genomic Selection in Pulse Crops organized by Illumina APJ Marketing
230. Can a tiny worm teach us about our brain? organized by Ashoka University
231. Wheat to eat: accelerating plant breeding to address global food & nutrition security organized by IWGSC and CIMMYT
232. NovaSeq 6000 Run Quality and Best Practices organized by Illumina APJ Marketing
233. How genome-based classification can improve regulation of pathogens and beneficial organized by Phytobiomes Alliance
234. Workshop on Industrial Revolution 4.0 organized by Jaypee University of Information Technology, Solan, Himachal Pradesh
235. Understanding the Biomedical Research Landscape-The Clarivate Tool Box organized by Clarivate
236. Ethics in Research and Publications organized by Bioingene
237. Gene Clusters and Speciation – Unraveling Complex Plant Genomes organized by Global Engage
238. AI platform to catalog unconventional stress proteins for deep exploration of space organized by Jaypee University of Information Technology, Solan, Himachal Pradesh
239. Progress and Prospects in Genomics, Genetics and Breeding for Biotic Stresses in Plants organized by Plantgenomia
240. Human Genomics in the New Era of Long-Read Sequencing organized by PACBIO
241. Climate Smart Agriculture from Multi-Omics Perspective organized by Bioingene
242. Role of Legumes and Pulses in Sustainable Cropping System of Hot Arid Zone organized by World Bank-ICAR Funded National Agricultural Higher Education Project and Swami Keshwanand Rajasthan Agricultural University, Bikaner, Rajasthan, India
243. Harnessing potential of protein engineering to combat diseases organized by TIGS Science Serving Society
244. Bioinformatics Workflows for Amplicon Sequencing: from HiFi Data to Results organized by PACBIO
245. Drug Discovery Hackathon 2020 organized by Government of India, AICTE, Pharmacy Council of India and ministry of Education Innovation Cell
246. Recalling Mahatma's Visions: A Philosophy of Non-Violence organized by Indian Council of Philosophical Research, New Delhi



247. Application of Bioinformatics in Microbiology organized by Dr. Ram Manohar Lohia Avadh University, Ayodhya
248. Intellectual Property Rights organized by GTN Arts College, Dindigul & Tamil Nadu State Council for Science and Technology, Chennai
249. Cyber Security & Cyber Forensics organized by Maturi Venkata Subba Rao Engineering College, Hyderabad
250. Cyber Literature organized by Nehru Arts and Science College, Tamil Nadu
251. E-Quiz conducted by Anti Human Trafficking Club and Department of Social Work St. Claret College, Bengaluru
252. Promoting Academic Integrity in Research and Professional Ethics organized by Sri Guru Gobind Singh College, Chandigarh
253. Basics of IPR Intellectual Property Rights organized by Burhani College, Mumbai
254. World Environment Day-2021 organized by Pilibhit Tiger Reserve
255. Framing Smallholder Digital Agriculture organized by Phytobiomes Alliance
256. Artificial Intelligence and the Future of Content organized by Institute of Global Professionals
257. Neurobiology organized by Learnto Upgrade Training.
258. Basics of Digital Marketing, jointly organized by the Department of Computer Science & Office of International Relations, Dr. M.G.R. Educational and Research Institute, Chennai-600095, Tamil Nadu.
259. The Intersection of Genomics and Wheat Breeding for Developing Superior Cultivars and Hybrids organized by IWGSC
260. A Beginner's guide to AI and its impacts in our daily lives organized by the Department of Computer Science, Dr. M.G.R. Educational and Research Institute, Chennai-600095, Tamil Nadu
261. Society, crime and Corrections organized by Swadhyaya Sahachkara (Circle for Creative Co-Learning), Vishwanedam Center for Asian Blossoming, Puducherry and Chennai in Collaboration with Raffles University, Neemrana and Rays Global Foundation (USA)
262. ICT & Research organized by Institute of Global Professionals
263. Security Starts with Your Brain, not Your Password organized by K.L.E. Society's S. K. Arts College and H. S. Kotambri Science Institute, Hubballi, Karnataka, India
264. Applied Statistics for Data Science - Techniques and Concepts organized by AI Probably Team
265. Building Resilience in Life & Career organized by Institute of Global Professionals
266. Hope in Darkness organized by Institute of Global Professionals
267. Live & Lead with Vision & Purpose organized by Institute of Global Professionals
268. Intellectual Property Rights organized by Badruka College of Commerce & Arts, Hyderabad Telangana

269. How a wheat disease resistance gene atlas could lift up wheat breeding organized by IWGSC and John Innes Centre
270. History, Victory and Humanity: Importance of Teaching and Writing History in Contemporary Times organized by University of Santo Tomas, The Graduate School, Department of History & Camarines Norte State College, College of Arts & Sciences
271. Improving Research Ethics and Academic Integrity using Turnitin Software organized by Rajagiri College of Social Sciences and Rajagiri Business School
272. Research & Statistics the Easy Way organized by Institute of Global Professionals
273. High Performance Mindset organized by Institute of Global Professionals
274. Aspects of Life Sciences During Pandemic Era organized by Institute of Global Professionals
275. Emotional Intelligence for Personal and Professional success organized by KLE Dr. M. S. Sheshgiri College of Engineering and Technology
276. Genome editing for improvement of abiotic stress tolerance of rice organized by Bioingene
277. Basics of Research Methodology and Use of Statistics in Biology organized by RIZVI COLLEGE
278. RESEARCH ETHICS organized by Central Library, Vivekananda College, Tiruvedakam West, Madurai
279. Deciphering the genetic basis of cytoplasmic male sterility and fertility restoration in wheat organized by IWGSC
280. Innovative Tools in Crop Breeding organized by The ISAAA Team
281. Breeding for efficient root system for water and nutrient uptake in crops organized by Plantgenomia
282. Nano-Bioengineering jointly organized by the Department of Biotechnology, Indian Institute of Technology (IIT) Roorkee and Centre for Biomedical Research (CBR), University of Victoria (UVic) Canada
283. Web of Science Training & Certification Program 2021 conducted by Clarivate
284. Data Science, AI & Applications on 20 December organized by DST-CIMS, Institute of Science, Banaras Hindu University, Varanasi
285. Computational Sciences organized by GD Goenka University, Gurugram
286. Application of Nanotechnology for Sustainable, Productive and Safer Agriculture and Food System organized by TERI-Deakin Nanobiotechnology Centre
287. Genetic dissection of disease resistance mechanisms hijacked by a necrotrophic pathogen of wheat organized by PHYTOBIOMES, IWGSC and USDA
288. Genomics to Phenomics: A New Horizon in Plant Science Research organized by Department of Botany, University of Calcutta
289. The Connected Vehicles using Edge & 5G – Road Ahead organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi

290. ICT on Education, Opportunities & Challenges organized by Institute of Global Professionals
291. 3 Scientific Secrets of Happy Life organized by Institute of Global Professionals
292. Academic and Research Writing Skills conducted by BrainBehaviour Research Foundation of India (BBRFI)
293. Action Research in Education organized by Metas Adventist College, Gujrat
294. AI in Everyday Life – Threat or Opportunity organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
295. Application and Current Trends of Biotechnology organized by BDG LifeSciences (OPC) Pvt. Ltd.
296. Are you ready for the opportunities in Bioinformatics domains? A Walkthrough! organized by LLB-SCHOOL, CPMB, TNAU and IMoT Agri Forum
297. Artificial Intelligence (AI) organized by StudySection
298. Artificial Intelligence in Biology I Introduction to Application organized by BDG LifeSciences (OPC) Pvt. Ltd.
299. Artificial Intelligence organized by Sri Sharada Institute of Indian Management – Research, New Delhi
300. Basic Nutrition organized by eLearning ICMR NIN
301. Bioinformatics: New Frontier on Life Sciences Horizon organized by BDG LifeSciences (OPC) Pvt. Ltd.
302. Biology in Concrete organized by IFERP
303. Brain and Behaviour: Neuropsychology of Learning, Memory, Disorders, Criminal Behaviour and Recovery organized by PSYFORTECHS
304. Brain-Computer Interfacing organized by BDG LifeSciences (OPC) Pvt. Ltd.
305. Career Path in Data Science organized by IEEE WIE Lahore Section & International IT Educators
306. Characterization Techniques for Nanoparticles & Data Analysis organized by Rayat-Bahra University
307. Classification of Genetic Variants and Functional Assessment organized by BDG LifeSciences (OPC) Pvt. Ltd.
308. Clinical Bioinformatics: Bridging the gateway to Precision Medicine organized by Centre of Excellence in Health Care technologies and Informatics (CEHTI), Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh
309. Cloud Computing organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
310. Cloud Computing organized by Technovatorz club of Department of Electronics and Communication Engineering, Jaypee University of Information Technology (JUIT), Wagnaghat, Solan, H.P., INDIA

311. Cognitive Radio-Wireless Sensor Networks- Applications and Challenges organized by IFERP
312. COVID-19 & Global Tourism: New Challenges organized by Kisan Veer Mahavidyalaya, Wai, Maharashtra
313. COVID-19: How to put on and remove personal protective equipment (PPE) (IPC-PPE - EN) organized by World Health Organization (WHO)
314. Cracking the sleeping brain: lessons from tiny fly organized by Mabalacat City College
315. Cyber Forensic and Incident Response Management organized by Forensic Talents India, Ahmedabad, Gujarat
316. Data Science & its Applications in Real World Opportunity organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
317. DBT-NIH Webinar – Ethical Perspectives in Planning and Conducting Clinical Trials for Cell and gene Therapies organized by National Biopharma Mission, Biotechnology Industry Research Assistance Council (BIRAC), a Public Sector Enterprise, set up by Department of Biotechnology (DBT), Government of India
318. DBT-NIH Webinar –Challenges in Conducting Human Challenge Studies: Policy Perspectives from India and United States organized by National Biopharma Mission, National Biopharma Mission, Biotechnology Industry Research Assistance Council (BIRAC), a Public Sector Enterprise, set up by Department of Biotechnology (DBT), Government of India
319. Developing Skills & Career as Environment, health and safety (EHS) Professional in India organized by National Biopharma Mission
320. Digital Marketing conducted by eLearning College
321. Discover Yourself organized by Institute of Global Professionals
322. Disruptive Technologies & Evolving Global Society organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
323. Drug Discovery Technology I Insights of Protein-Ligand Interactions organized by BDG LifeSciences (OPC) Pvt. Ltd.
324. Earth Observation Satellites for Social, Environmental and Economic Studies organized by Suresh Gyan Vihar University
325. Ending the Culture of War and Shaping Pieces of Peace Together organized by Mabalacat City College
326. E-quiz Harmful Effects of Tobacco organized by Seth R.C.S. Arts & Commerce College, Durg, Chhattisgarh
327. E-quiz on Bioinformatics and Drug Discovery organised by LLB-SCHOOL
328. E-quiz World Tourism Day 2020 organized by Krishna Mahavidyalaya, Rethare Bk.
329. E-Waste and health Care organized by Centre of Excellence in Health Care technologies and Informatics (CEHTI), Department of Biotechnology and

Bioinformatics, Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh

330. Exploring Alternate Scientific Career Tracks in Post CoVID Economy organised by The Biomics
331. Forensic significance of hand analysis organized by Forensic Talents India, Ahmedabad, Gujarat
332. From breeding to genome editing: long-term strategies to contain plant diseases organized by Bioingene
333. Gender crime & Social order: A Criminological Approach organized by Forensic Talents India, Ahmedabad, Gujarat
334. Genes to Pathways Workshop organized by DE<code> LIFE
335. Genome Editing to enhance multiple disease resistance organized by Plantgenomia
336. Genomic selection in crop plants organized by Plantgenomia
337. HiFi Metagenomics 101: From Sample to High Resolution Genomes organized by The PacBio APAC Team
338. How FunHop changed the picture organized by Mabalacat City College, Pampanga
339. How to file Patent, Copyright and Trademark organized by RESEARCH CIRCLE
340. Human Genetic Diseases I Diseases and Disorders caused by Mutations in Gene/s organized by BDG LifeSciences (OPC) Pvt. Ltd.
341. Human Health and Climate Change organized by UNITAR, UN CC:e-Learn and World Health Organization (WHO)
342. Hunger & Harmony organized by PeaceX
343. Importance of Microorganisms in Research – ICIMR-2020 organized by IQAC & Department of Microbiology, Annai Violet Arts & Science College, Chennai
344. Importance of Yoga in Pandemic COVID-19 organized by Santal Bidroha Sardha Satabarshiki Mahavidyalaya, West Bengal
345. Infection Prevention and Control (IPC) for COVID-19 Virus organized by World Health Organization (WHO)
346. Inner World during the Pandemic & Resilience organized by Shri M.D. Shah Mahila College of Arts & Commerce, Mumbai
347. Intellectual Property Rights and Competition Law in India conducted by Alison
348. Intellectual Property Rights and Patent Process organized by G H Raisoni Institute of Business Management, Jalgaon
349. Intellectual Property Rights organised by IQAC & M.C. Roy Library, Lakhimpur Kendriya Mahavidyalaya
350. Intellectual Property Rights organized by G H Raisoni University, Saikheda, Madhya Pradesh
351. Intellectual Property Rights organized by K.Z.S. Science College, Nagpur
352. Introduction to Database Concepts conducted by Alison

353. Introduction to Sustainable Development Goal indicators under FAO custodianship organized by Food and Agriculture Organization of the United Nations e-learning Academy
354. Latest Trends in Nanotechnology organized by IFERP
355. Legal Aspects in Forensic Science organized by Forensic Talents India, Ahmedabad, Gujarat
356. Long Reads vs More Reads: Comparing Two Sequencing Tools for Evaluating Live Biotherapeutics organized by PacBio APAC Team
357. Mahatma Gandhi International E-Quiz organized by Arts Commerce College, Yeoda, Maharashtra
358. Management of Stress & Anxiety Through Yoga organized by Bhandarkars' Arts & Science College, Kundapura, Karnataka
359. Molecular Modeling and Drug Discovery organized by AVASTAMBH
360. Nanobiotechnology I Intersection of Nanotechnology and Biology organized by BDG LifeSciences (OPC) Pvt. Ltd.
361. Navigating Through the Pandemic – Physically, Mentally & Emotionally organized by MentorMitr
362. Neurology organized by The Biomics
363. New Systems of Vegetable Production (Vertical, Hydroponics, Aeroponics, Organic, Microgreens) organized by Brahma Singh Horticulture Foundation, New Delhi
364. Next Generation Sequencing organized by BDG LifeSciences (OPC) Pvt. Ltd.
365. Next Generation Sequencing Workshop organized by LifeGenBio
366. NIAB Diverse MAGIC: dissecting trait genetic architecture across 70 years of wheat breeding organized by IWGSC, United States
367. Niramay Yog Jeevan organized by Adarsha Science, J. B. Arts & Commerce Mahavidyalaya and People's Welfare Society Amravati
368. NLP - Neuro Linguistic Programming conducted by Alison
369. Nutrition, Food Security and Livelihoods: Basic concepts organized by Food and Agriculture Organization of the United Nations e-learning Academy
370. Nutritional Enhancement of Vegetable Crops with Major emphasis on Broccoli – a New Cole Crop in India organized by Brahma Singh Horticulture Foundation, New Delhi
371. Nutritionally Enhanced Cereals for Food and Nutritional Security organized by Plantgenomia
372. Optimization and AI Techniques organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
373. Pan Genomes in Plants: Beyond a single reference genome organised by Bioingene.com
374. Personality Development & Winning Attitude organized by IFERP
375. Physical Activity (YOGA) organized by eLearning ICMR NIN

376. Plant Interactions organised by The Biomics
377. Predictive biology understanding and reversing the evolution of antibiotic resistance organized by Phytobiomes Alliance
378. Public Health and Crisis Management organized by Sri Sharada Institute of Indian Management – Research, New Delhi
379. Publication Ethics and Plagiarism organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
380. Purpose-Filled Life organized by Institute of Global Professionals
381. Quantum Computing - A Primer on Applications & Opportunities organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
382. Recent Advances in Biotechnology organized by Biotechnology Unit, Department of Botany, Jai Narain Vyas University, Jodhpur
383. Relevance of Gandhiji Thoughts and Philosophy during COVID-19 and in the Post-COVID-19 Era organised by Society for Promotion of libraries, Uttar Pradesh (SPLUP) and KISNO Foundation, Delhi
384. Remote Sensing Applications in Agricultural Water Management conducted by Indian Institute of remote Sensing (IIRS), BHU, Varanasi
385. Research and Technological Advancements in Biomedical and Healthcare Sector (Longitudinal Modeling of Alzheimer's Disease Using Machine Learning Methods) organized by Centre of Excellence in Health Care Technologies and Informatics (CEHTI), Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Waknaghat, Solan, HP, India
386. Resistance gene cloning in wheat organized by IWGSC and John Innes Centre
387. Revitalizing Green School Actions for Climate Change to Build Sustainable, Peaceful and Resilient Southeast Asia organized by UNESCO
388. Robotics in Everyday Life – Threat or Opportunity organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
389. Role of Science and Technology during COVID-19 Pandemic: A Perspective Analysis organized by IQAC, IMA and Maynaguri College
390. Science of Scientific Writing organized by The Biomics
391. Scope and challenges of forensic odontology organized by Forensic Talents India, Ahmedabad, Gujarat
392. Secrets to get your research paper published and hasten your research writing conducted by Aristocrat Research Solutions A unit of Aristocrat IT Solutions Pvt Ltd
393. Secrets to Quickly get your Research Paper Published & Hasten your Research Writing organized by Aristocrat IT Solutions Pvt Ltd.
394. Self-Love Revolution organized by Institute of Global Professionals
395. Special Needs Education organized by PeaceX

396. Spectrum of Advanced Biological Sciences organised by IQAC and Department of Microbiology, St. Pauls Cathedral Mission College, Kolkata
397. Standard precautions: Environmental cleaning and disinfection organized by World Health Organization (WHO)
398. Standard precautions: Hand hygiene organized by World Health Organization (WHO)
399. Structural Bioinformatics organized by BDG LifeSciences (OPC) Pvt. Ltd.
400. Successful 2021 organized by Institute of Global Professionals
401. Sustainable Diet organized by UNITAR, UN CC:e-Learn and Danone
402. Technologies for Environmental Sustainability and Smart Agriculture organized by Centre of Excellence in Sustainable Technologies for Rural Development (CESTRD), Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh
403. The Herbal Drugs Approach to COVID-19: Virus-Specific Nutraceuticals and Bioactive Agents organized by School of Pharmacy, ITM (SLS) Baroda University, Vadodara, Gujrat
404. The International Education and Skills Summit organized by Team India Didactics Association
405. The Science of Success organized by Institute of Global Professionals
406. Time & Task Management organized by Institute of Global Professionals
407. Time and Stress Management conducted by Saylor Academy
408. Transcriptomics I Study of Transcriptome organized by BDG LifeSciences (OPC) Pvt. Ltd.
409. Transforming Higher Education through Digitalization organized by Forum of Commerce and Management Studies, Anupshahr, Uttar Pradesh
410. Translational genomics for achieving higher genetic gains in groundnut organized by Bioingene
411. Transparency, Ethics and integrity in Healthcare and Pharmaceuticals Sector organized by IIHMR University
412. Trends in Plant Sciences organized by The Biomics
413. Understanding Human Behaviour organized by Institute of Global Professionals
414. Untold Ultimate Secrets of Scientific Research Findings – The Most Confidential Knowledge organized by Aristocrat IT Solutions Pvt Ltd.
415. Value of IPR in Academic Researches organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi
416. Veda for World Peace organized by USV, MSRVVP and MVU
417. Waste Management in Biopharmaceutical Sector: An Integrated Approach organized by National Biopharma Mission, National Biopharma Mission, Biotechnology Industry Research Assistance Council (BIRAC), a Public Sector Enterprise, set up by Department of Biotechnology (DBT), Government of India
418. Why Do We Get Variable Efficacy with Medicinal Plant Extracts? organized by Bio-NEST, Birac and Organo GENIK



419. Widening the Genetic base of Legumes through Prebreeding organised by Bioingene.com
420. Work-Life Balance organized by Institute of Global Professionals
421. Youth on the Go! organized by MentorMitr

## **E-learning Elsevier Researcher Academy**

### **Ethics**

1. Plagiarism: Decision making & dealing with grey-zones across academic Fields
2. Detecting Image Manipulation: Routines, Tools & Limitations
3. Plagiarism
4. Authorship
5. Content ownership
6. Why you can't afford to ignore publication ethics
7. Demystifying permissions

### **Fundamentals of manuscript preparation**

1. Structuring your article correctly
2. How to prepare your manuscript
3. How to write an abstract and improve your article
4. Guide to reference managers: How to effectively manage your references

### **Book writing**

1. Why write a book?
2. How to get your book published
3. Discoverability: top tips to get your book out there

### **Technical writing skills**

1. How to design effective figures for review articles
2. How to write for an interdisciplinary audience
3. An editor's guide to writing a review article
4. How to write case reports
5. Systematic reviews 101
6. Make the most of your research: publish your data & methods
7. Beginners' guide to writing a manuscript in LaTeX

### **Writing skills**

1. How to prepare a proposal for a review article
2. Writing a persuasive cover letter for your manuscript
3. How to turn your thesis into an article

4. 5 Diseases ailing research – and how to cure them
5. Using proper manuscript language
6. 10 tips for writing a truly terrible journal article

### **Research data management**

1. How to conduct evidence-based research
2. How to manage and publish your research data
3. How researchers store, share and use data
4. Creating a good research data management plan
5. How researchers benefit from citing data
6. Make your data accessible -It's Not FAIR! Improving Data Publishing Practices in Research

### **Research collaborations**

1. How to produce highly visible research: Useful tips for researchers
2. The key to successful academic collaborations
3. Making academia–industry collaborations work

### **Social impact**

1. How to build empathy in research
2. Standing up for Science
3. How to write a lay summary

### **Ensuring visibility**

1. How to promote yourself and your research as an Early Career Researcher
2. Seven strategies for scientists to communicate their research and create a brand
3. Conference skills for researchers
4. Social Media for Researchers
5. How to promote your research for maximum impact

### **Sustainable Development Goals for Researchers**

1. How your research can make an impact on society
2. How to create impact with patient and public involvement
3. How to integrate sex, gender, and intersectional analysis into research

### **Funding**

1. How to secure funding - ECR edition
2. Funding Hacks for Researchers
3. Successful research grant applications – getting it right
4. Discover how metrics can boost funding and networking opportunities

### **Training organized on:**

1. Practical training course on “Protein Modeling & Simulation and Its applications in Biological Sciences” during September 15th -16th 2009. Participants: 36.
2. Practical training course on “Bioinformatics and Proteomics” February 20-26,2011 jointly organized with Department of Zoology. Participants: 14.
3. Hands on Training on “Discovery Studio 3.0” April 20, 2011, Participants: 12.
4. Training workshop on “LATEX” held from Sept 26<sup>th</sup> to Sept 28<sup>th</sup>, 2011. Participants: 18.
5. Training workshop on “Bioinformatics: Applications in Agriculture & Medical Sciences” held from Feb 16 to Feb 18, 2012. Participants: 19.
6. Training workshop on “Bioinformatics: Applications in Agriculture & Medical Sciences” held from Feb 9 to Feb 11, 2013. Participants: 21.
7. DBT Sponsored Workshop on “Applications of Bioinformatics in Life Sciences (ABLS)” held from January 19-21, 2015. Participants: 15.
8. DBT Sponsored Workshop on “Application of Bioinformatics in microbial diversity (ABMD)” held from February 18-20, 2015. Participants: 14.
9. DBT Sponsored Workshop on “*In silico* approaches to drug designing (IADD)” held from March 23-29, 2015. Participants: 17.
10. DBT and UGC-SAP Sponsored Workshop on “Sequence Analysis Molecular Modeling and Docking” held from March 9-15, 2016. Participants: 15.
11. DBT and UGC-SAP Sponsored Workshop on “Genes to Genomics: The Current Status” held from March 1-7, 2017. Participants: 16.
12. DBT Sponsored Workshop on “*Application of in-silico approaches in Biological Sciences. February 19-21, 2018.* Participants: 14.
13. DBT Sponsored Workshop on “Recent Bioinformatics Tools and Techniques in Biological Sciences” 20-22 February, 2019. Participants: 20.

**Venue:** Seminar Hall, School of Biotechnology/ *In silico* Biology Lab, Centre for Bioinformatics

**Sponsoring Agency:** Department of Biotechnology, Government of India, New Delhi/University Grant Commission-SAP

### **For Guest Lecture:**

1. National Bureau of Agriculturally Important Microorganisms, Kushmaur, Mau NathBhanjan (U.P.) – 275101, INDIA
2. Department of Biotechnology, DeenDayalUpadhyay Gorakhpur University, Civil Lines, Gorakhpur (U.P.) - 273009, INDIA
3. National Institute of Abiotic Stress and Management, Malegaon, Baramati, Pune MH, Malegaon Khurd, Maharashtra – 413133, INDIA
4. Indian Institute of Vegetable Research, Post bag no. 01; p. O. Jakhani (Shahanshapur), Varanasi - 221 305, Uttar Pradesh, INDIA
5. Molecular Biology Unit (MBU), Institute of Medical Sciences, Banaras Hindu University, Varanasi-221005, Uttar Pradesh, INDIA
6. Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221005, Uttar Pradesh, INDIA

### **Participation in Administrative Meeting:**

1. Partner's Meet for Establishment of National Agricultural Bioinformatics Grid in ICAR of NABG at NBAIM, Mau (2010)
2. Biotechnology Information System Network (BTISNet) Coordinator annual meeting at KU Campus, Bhimtal - Kumaun University Nainital (2016)
3. Biotechnology Information System Network (BTISNet) Coordinator annual meeting at Tata Memorial Centre Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Navi Mumbai (2017)

### **Administrative Experience as Information Officer:**

Bioinformatics programme Centre for Bioinformatics, Banaras Hindu University (Distributed Information Sub-Centres (Sub-DICs), Biotechnology Information System Network (BTISNet)) handled under Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India.

### **Software developed:**

1. Akriti v1.0: A Calculator for multi-FASTA proteins
2. PGV – Prokaryotic Genome Viewer

### **Patent:**

1. Crop Bioinformatics Repeats Sequence Pattern Analysis and Interpretation (Australian Innovation Patent **Granted**: 2021101343)

### **Awards**

1. Acharya Vidya Ratan Award 2019
2. Asia Pacific Emerging Gold Star Award 2018
3. Asia's Status Award for Intellectual People 2018
4. Best Citizens of India Award 2014
5. Best Researcher Award 2020
6. Bharat Excellence Award 2017
7. Bhaskar Vidya Award 2018
8. Communal Harmony of India Award 2019
9. Dr. A.P.J. Abdul Kalam Award 2018
10. Dronacharya Award 2019
11. Global Achiever Award 2022
12. Global Achievers Pacific Award 2020
13. Global Arch of Excellence Award 2019
14. Global Award for Excellence 2017
15. Global Golden Award 2017
16. Global Golden Award 2021

17. Global Indian Award 2018
18. Glory of India Award 2017
19. Golden Beam of Asia Award 2019
20. Humanitarian Excellence Award 2020 edition
21. India Most Dynamic Achievers Award 2021
22. India Shiromani Award 2018
23. India's Most Admired Personality Award 2019
24. Indian Global Golden Award 2017
25. Indian Man of the Year 2019
26. Indian Status Award for Intellectual People 2018
27. Indo-Global Award for Excellence in Education 2018
28. Indo-International Emerging Star Award 2018
29. Indo-US Exemplary Award 2019
30. International Achievers Award 2017
31. International Educationist Award 2020
32. International Global Personality Award 2019
33. International Humanity Excellence Award 2019
34. International Intellectual Achievement Award 2021
35. International Man of the Year 2019
36. International Social Activities Award 2019
37. Jewel of Asia Award 2020
38. Leading Educationist of India Award 2018
39. Life Dedicated Service Award 2019
40. Life Time Achievement Award 2020
41. Mahatma Gandhi Award 2018
42. Marvel Man of India Award 2019
43. Most Outstanding Service Award 2019
44. Mother Teresa Foundation Award 2020
45. National e- Innovation Award 2017
46. National Educational Eminence Award 2019
47. Nelson Mandela Peace International Award 2019
48. NESIN Excellence in Research 2020
49. Nobel Son of India Award 2019
50. Outstanding Performance Excellence Award 2019
51. Pride of Nation Award 2021
52. Pt. Jawahar Lal Nehru Award 2018
53. Research Excellence Award 2020
54. Rising Men of India Award 2017
55. Sardar Vallabhbhai Patel Award 2018
56. Shining Star of India Award 2021
57. Sparkling Indian Award 2017
58. Srestha Acharya Award 2019
59. Star of Asia Award 2019

60. Star of Asia International Award 2019
61. World Medal of Honour 2019
62. Young Scientist Award 2019 SBBS
63. Young Scientist Award 2020
64. Shining Star of India Award 2022
65. International Intellectual Achievement Award 2022
66. Young Dynamic Achievers of India Award 2022
67. Global Personalities of Asia Award 2022
68. Indian Golden Achievers of Excellence Award 2022
69. World Global Achievers Award 2022

### **National Pledge taken**

1. Anti-Littering Pledge
2. Be Vocal about Local
3. Break The Stigma
4. Dekho Apna Desh Pledge
5. Drug-Free India
6. E-Waste 2020 Pledge
7. E-Waste 2021 Pledge
8. FightAgainstCorona Pledge
9. Fuel Conservation
10. Gandhi in Me
11. Human Rights Pledge
12. I Support Armed Forces Flag Day
13. Integrity Pledge
14. Jan Andolan for COVID-19
15. NamamiGange Pledge
16. Pledge for Women Rights
17. Rashtriya Ekta Diwas Pledge
18. Road Safety Pledge
19. Say Yes to Life, No to Drugs
20. Stay at Home Save Lives Pledge
21. SwachhBharat Pledge
22. The AyushSanjivani
23. The Preamble on Constitution Day
24. Wear a Mask
25. World Soil Day Pledge
26. Youth Pledge
27. Save and Restore our Beloved Mother Earth
28. Integrate and Encourage Yoga through Life

29. Young Warriors Pledge
30. Constitution Day 2021
31. E-Waste Pledge 2022 organized by MyGov Team
32. Jan Aushadhi Diwas Pledge organized by MyGov Team
33. Data Privacy Pledge under the Data Privacy day Initiative
34. Swachh Bharat
35. Green Pledge
36. AatmaNirbhar Bharat Pledge
37. Har Ghar Tiranga
38. Human Rights Pledge
39. Desh Ke Utsav-Pledge
40. Uttam Poshan Uttam Jeevan Pledge
41. Pledge to use Indian Handloom Products
42. Swachhta Bharat Mission Pledge
43. Pledge on Rashtriya Ekta Diwas (National Unity Day)
44. Puneet Sankalp Pledge
45. Nutrition through Nutri-cereals Pledge
46. Khadi India (My Khadi, My Pledge) -Pledge
47. Travel for LiFE Pledge
48. Naturopathy Pledge
49. The Digital India Quiz
50. Lifestyle for Environment
51. Republic of India
52. 74th Republic Day
53. Energy Pledge
54. Jan Aushadhi Diwas Pledge
55. G20 Culture Track Quiz
56. Know your G20 Quiz
57. Swaraj Quiz
58. February Month Quiz

**Note:** Inform me if you find any typing error or any error

**DR. V. K. SINGH**