



# INTERNATIONAL SYMPOSIUM ON PHYCOLOGICAL RESEARCH



FEBRUARY 25-27, 2010



*Organized by*

**CENTRE OF ADVANCED STUDY IN BOTANY**

**BANARAS HINDU UNIVERSITY**

**VARANASI 221 005, INDIA**

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**Dear Friends,**

We cordially invite you to join the International Symposium on Phycological Research at Banaras Hindu University, Varanasi, India, during February 25-27, 2010. Leading scientists from various Universities, Institutions and Industries all over the world will participate in the Symposium.

**Venue:** Swatantrata Bhawan, Banaras Hindu University, Varanasi, India

### **BANARAS HINDU UNIVERSITY (BHU)**

The Banaras Hindu University founded by Pt. Madan Mohan Malaviyaji in 1916, stands as one of the most prestigious Central Universities in the country. It is the largest residential University in Asia. Banaras Hindu University ranks among the first few in the country in terms of academic and research output. A living embodiment of Malaviyaji, Dr. Annie Besant and Dr. S. Radhakrishnan, this seat of learning optimizes synthesis of ancient wisdom and the recent scientific temper. The University has by now made its mark at the national and international level in frontiers of Science, Social Science, Technology, Medicine and Agriculture etc. This university has two campuses, three institutes (Institute of Agricultural Sciences, Institute of Medical Sciences & Institute of Technology), 16 faculties, 140 Departments (many of them recognized as Centre of Excellence), four advance centers and four interdisciplinary schools.

### **CENTRE OF ADVANCED STUDY (CAS) IN BOTANY**

Department of Botany is the second oldest P.G. Department (established in 1919) and a premier centre of teaching & research in plant sciences in the country. Owing to notable

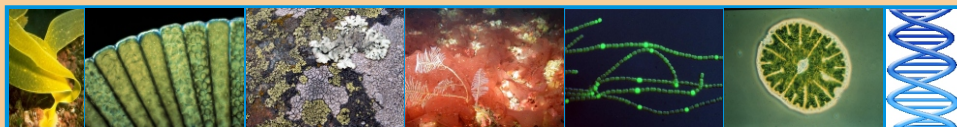


contributions, the department has been recognized as DSA (UGC) in 1972, CAS in 1980 and COSIST in 1984 and also the IV Phase of CAS (2002) with thrust areas Phycology, Ecology and Mycology & Plant pathology. The department is also recognized as centre of research & teaching in other plant science disciplines such as Morphogenesis and Cytogenetics. The department teaches undergraduate and postgraduate courses in Botany, Industrial Microbiology as Vocational course (U.G. level) and special courses in Environmental Science & Applied Microbiology (P.G. level). The current research endeavours are: (i) Stress

tolerance in plants-physiological, biochemical and molecular approaches, (ii) Biotechnological potential of microbes/plants, biomonitoring, bioremediation, biorestitution, crop protection, micropropagation and transgenic plants, product development and testing and (iii) Assessment and conservation of biodiversity, elucidation of ecosystem functions and environmental impact assessment.

### **THE SCHOOL OF ALGAE**

Y. Bharadwaja (1933) isolated a new species *Draparnaldiopsis* sp.nov (chaetophoralean, chlorophyte) for the first time from freshwater in India and named it *Draparnaldiopsis indica*. The higher plant-like feature of the alga was so fascinating that photograph of *Draparnaldiopsis indica* formed the front piece of the book "The Structure and Reproduction of Algae" vol. I by F.E. Fritsch (1935), Cambridge University Press.



Reproduction details of the alga (now renamed *Draparnaldiopsis indica* Bharadwajae) were worked out by his student R.N. Singh (also at BHU) during 1942-45. R.N. Singh (1947) extended his observations to the cytological and life cycle details of another chaetophoralean alga, *Fritschiella tuberosa* Iyengar originally isolated by M.O.P. Iyengar around 1933 (then at the University of Madras). It appears that classical taxonomy and cytology was tapered off by R.N. Singh during the 1940s as he turned to blue-green algae with emphasis on their role in nitrogen recuperation in paddy field soils. This subsequently culminated mid-way in "Reclamation of usar lands in India with blue-green algae" published in *Nature* (1950), and finally in the monumental monograph "Role of blue-green algae in nitrogen economy of Indian agriculture" published by Indian Council of Agricultural Research, New Delhi (1961). His vision furthered to genetics of blue-green algae and their viruses (cyanophages) during the post-independence era, is incredible.

The contemporary phycologists, J.N. Mishra (Phaeophyceae) YSRK Sarma (Cytogenetics), ERS Talpasayi (Cyanobacterial Physiology) and H.D. Kumar (Genetics, Environmental Phycology) added new dimensions to the present day School of Phycology. The tradition is sustained by a mix of third and even fourth generation phycologists that forms one third of faculty in the department.

### THE CITY

The holy city of Varanasi, known as the city of temples and learning, is a place of great historical and cultural importance. This religious capital of India is situated on the banks of the holy river Ganges and is presided over by Lord Shiva. It is the heart of India and an epitome of the synthesis of cultures, religions and races. Varanasi, also known as Kashi is famous as the city of Moksha for Hindus for centuries. One of the seven holiest cities, Varanasi is also one of the Shakti Peethas and one of the twelve Jyotir Lingam sites in India. The holy city has been a symbol of spiritualism, philosophy and mysticism for thousands of years. Varanasi is also renowned for its rich tapestry of music, arts, crafts and education. Luminaries apart, the city abounds in the art of silk weaving. It has well developed transport network and is connected to all the major Indian cities and states by air, road and rail. Airport is about 30 km from BHU campus. The best season to visit Varanasi is from September to February as the weather is rather mellow. Nearby places of interest include Sarnath, where Lord Buddha delivered his first sermon (20 km), Ram Nagar Fort (5 km), Chunar Fort (40 km), Vindhyachal (70 km) and Sangam (Allahabad, 120 km).



### ORGANIZING COMMITTEE

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# INTERNATIONAL SYMPOSIUM ON PSYCHOLOGICAL RESEARCH



**FEBRUARY 25-27, 2010**

## REGISTRATION FORM

Name .....

Designation.....

Institution.....

Mailing Address.....

.....

Telephone..... Fax.....

E-mail..... Cell.....

### **REGISTRATION FEE**

<b>Participants</b>	<b>Upto 31<sup>st</sup> December 2009</b>	<b>After 31<sup>st</sup> December 2009</b>	<b>On Spot</b>
Indian Delegates	Rs.1500/-	Rs.1800/-	Rs. 2000/
Accompanying person	Rs.1000/-	Rs.1200/-	Rs.1500/
Students	Rs.1000/-	Rs.1200/-	Rs.1500/
Foreign delegates	\$200	\$250	\$ 300
Accompanying person	\$100	\$150	\$ 200

### **Payments Details :**

Cheque/Draft No..... Date of issue : .....

Amount:..... Branch : .....

Accommodation required :  Yes  No

Type of Accommodation:  Guest House  Hotel

Date :

Place :

***Signature of Delegate***

Demand Drafts/Cheques must be made in favour of **Treasurer ISPR-2010** Payable at **SBI, BHU, Varanasi**. Participants can also pay registration fees and other charges by direct bank transfer as per following details.

**Bank** : State Bank of India **Branch** : BHU, Varanasi

**Branch code** : 0211 **Swift Code** : SBININBB501

**A/c No.** : 30810704649

## THEME OF THE SYMPOSIUM

This symposium includes the diverse assemblages of algae as well as cyanobacteria :

- Algal diversity, speciation and evolution
- Symbioses
- Algae under stresses
- Algal molecular biology, genomics, proteomics and metabolomics
- Algal biotechnology: biomass production, photobioreactor, biofertilizers, biofuels, transgenics
- Algae and pharmaceuticals, nutraceuticals, toxins, biomolecules, drugs/ antimicrobials
- Algae and bioremediation
- Algae, environment and ecology

## KNOCKDOWN FOR PAPER

### Conference Participation and Submission of Abstracts:

Participation is open to any one involved in the R & D, teaching, consultancy, planning etc. in Phycology and related areas. Interested participants are invited to contribute papers as oral/poster presentation. Abstract of the paper (about 250 words) should be prepared using MS Word and sent to the Convener **Prof. A. K. Rai**, by email at [ispr@ispr2010.org.in](mailto:ispr@ispr2010.org.in) as file attachment. Abstracts may also be sent by regular post but in such cases, authors must provide a CD containing the abstract. Please underline the name of the presenting author.

### Deadline

Submission of abstracts	:	31 <sup>st</sup> December 2009
Acceptance notification	:	15 <sup>th</sup> January 2010
Submission of full length paper	:	27 <sup>th</sup> February 2010
Registration at normal rate	:	31 <sup>st</sup> December 2009
Booking of accommodation	:	31 <sup>st</sup> December 2009

### Accommodation

The accommodation will be arranged in the University guest house at economical rates and student hostels. Those desirous of accommodation in 3-5 Star Hotels may indicate their choice and will have to pay the actual hotel charges.

