



# International Conference on Algal and Cyanobacterial Biology (ICACB-2026)

February 19 - 21, 2026



Organized by

DEPARTMENT OF BOTANY  
Institute of Science  
Banaras Hindu University  
Varanasi-221005  
India

Prof. A.K. Mishra  
(Convener)

Prof. R.K. Gupta, Prof. S.S. Singh,  
Prof. S.M. Singh  
(Co-Conveners)

Dr. Y. Mishra, Dr. S.P. Singh,  
Dr. Prashant Singh  
(Organising Secretaries)

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सर्वविद्या की राजधानी



BHU  
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Dear Friends,  
We are delighted to announce the International Conference on Algal and Cyanobacterial Biology (ICACB-2026) and warmly invite abstract submissions from researchers, scientists, and professionals working in the diverse and expanding field of algal and cyanobacterial biology. This global gathering aims to provide a dynamic platform for presenting innovative research, exchanging ideas, and fostering international collaborations across the phycological community. Participants are encouraged to share their original work through oral or poster presentations.

Venue: Mahamana 150<sup>th</sup> Birth Anniversary Hall, Seminar Complex, Institute of Science, Banaras Hindu University, Varanasi.

## Banaras Hindu University

Banaras Hindu University (BHU), founded in 1916 by the visionary leader Pandit Madan Mohan Malaviya, stands as one of India's most prestigious Central Universities and the largest residential university in Asia. Established with the mission of fostering education rooted in Indian values while embracing modern advancements, BHU has grown into a globally recognized institution known for its academic rigor, research contributions, and commitment to nation-building. Over the years, BHU has consistently ranked among the top universities in the country, excelling in academic eminence, research output, and interdisciplinary innovation. Drawing inspiration from great minds like Dr. Annie Besant and Dr. S. Radhakrishnan, the university embodies the perfect synthesis of ancient wisdom and contemporary scientific temper, fostering a holistic learning environment. BHU has made remarkable contributions to a wide array of disciplines, including Science, Social Sciences, Humanities, Engineering, Medicine, Agriculture, Law, Management, and Performing Arts. The university is home to two sprawling campuses – the main campus in Varanasi, spanning over 1,300 acres, and the Rajiv Gandhi South Campus in Barkachha, Mirzapur, covering 2,700 acres. The university comprises 6 Institutes, 14 Faculties, 144 Departments, 4 Interdisciplinary Centers, a constituent college for women's and 3 Constituent Schools, spanning a vast range of subjects pertaining to all branches of humanities, social science, technology, medicine, science, fine arts and performing arts. It has 6 centres of Advanced Studies, 10 Departments under Special Assistance Programme and a large number of specialized Research Centers. Four Degree Colleges of the city are affiliated to the University. BHU has strengthened its global footprint through international collaborations, faculty exchange programs, and joint research initiatives with leading universities and research institutions worldwide. The university consistently ranks at the top in various national and international rankings, reflecting its unwavering commitment to academic and research excellence. Banaras Hindu University (BHU) was officially designated as an Institution of Eminence (IoE) in September 2019, on the recommendation of the UGC, by the Ministry of Human Resource Development. Additionally, BHU has played a pivotal role in nation-building, producing a vast alumni network that includes scientists, academicians, administrators, policymakers, entrepreneurs, and cultural icons, who continue to make significant contributions in their respective fields.

## Institute of Science

The Faculty of Science established in 1916 was upgraded to Institute of Science in 2015. The institute has 6 centres and 13 different departments of Biological, Chemical, Earth, Mathematical, and Physical Sciences.

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## Department of Botany

The Department of Botany, established in 1919, is the second-oldest postgraduate department and a leading center for teaching and research in plant sciences in India. Widely recognized for its significant contributions, the department has received several prestigious designations, including DSA (UGC) in 1972, CAS in 1980, COSIST in 1984, DST-FIST Phase I in 2002, DST-FIST phase II in 2015, and the VI Phase of CAS in 2023. The department's primary research thrust areas include Phycology, Ecology, Mycology and Plant Pathology. The department offers undergraduate and postgraduate programs in Botany, and specialized courses in Environmental Science and Applied Microbiology at the PG level. With a legacy of excellence, the department continues to advance scientific research and education in plant sciences, fostering innovation and sustainability.

## School of Algae

In 1933, Y. Bharadwaja laid the foundation for the School of Phycology at Banaras Hindu University (BHU) with his pioneering work on freshwater algae. He isolated a new chaetophorean chlorophyte species, *Draparnaldiopsis* sp. nov., and named it *Draparnaldiopsis indica*. The plant-like morphology of this alga was so striking that its photograph was featured as the frontispiece of F.E. Fritsch's seminal book, *The Structure and Reproduction of the Algae*, Volume I (1935), published by Cambridge University Press. This discovery marked the beginning of an era of rigorous algal research at BHU. The legacy of Bharadwaja was carried forward by Prof. R.N. Singh, his student at BHU, who worked between 1942 and 1945 to elucidate the reproduction of *Draparnaldiopsis indica*. Prof. Singh further extended his studies to the cytology and life cycle of another chaetophorean alga, *Fritschella tuberosa* Iyengar, originally discovered by M.O.P. Iyengar in 1933 at the University of Madras. While classical taxonomy and cytology dominated R.N. Singh's early work, his scientific trajectory shifted towards cyanobacteria (blue-green algae) in the 1940s, focusing on their role in nitrogen fixation in paddy-field soils. This research led to his groundbreaking publication, "Reclamation of Usar Lands in India with Blue-Green Algae," in *Nature* (1950), followed by his monumental monograph, "Role of Blue-Green Algae in the Nitrogen Economy of Indian Agriculture," published by the Indian Council of Agricultural Research (ICAR), New Delhi, in 1961. His later work expanded into the genetics of cyanobacteria and cyanophages (cyanobacterial viruses), further shaping the post-independence research landscape in India.

## Themes of the Conference

- **Biodiversity and Taxonomy** – Exploring species diversity, classification, and systematics.
- **Fundamental and Molecular Processes** – Understanding genetic, biochemical, and physiological mechanisms.
- **Developmental and Evolutionary Biology** – Investigating growth, differentiation, and evolutionary transitions including fossil algae and cyanobacteria.
- **Systems Biology** – Integrating omics technologies and computational approaches for a holistic perspective.
- **Symbiotic Association** – Examining interactions with other organisms and their ecological significance.
- **Climate Change and Stress Responses** – Assessing the impact of environmental changes and adaptive strategies.
- **Bioactive Molecules and Pharmaceuticals** – Discovering novel bioactive compounds with therapeutic and industrial potential.
- **Bioenergy and Biofuels** – Exploring sustainable energy solutions derived from algae, and cyanobacteria
- **Sustainable Agriculture** – Utilizing algae and cyanobacteria for crop improvement, soil health, and agrobiotechnology.
- **Biotechnological Applications and Bioengineering** – Harnessing innovations for industrial, environmental, and medical applications.
- **Technological Innovations** – Advancing tools, techniques, and methodologies in algal and cyanobacterial research.

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## Conference Participation and Submission of Abstracts

Participation is open for anyone involved in R&D, teaching, consultancy, planning etc. in biology of Algae and Cyanobacteria. Interested participants are invited to contribute papers as oral/poster presentation. For submission of abstracts, kindly follow the registration and abstract submission guidelines mentioned in the brochure.



## Organizing Committee

**Patron:** Vice- Chancellor, Banaras Hindu University, Varanasi  
**Co-Patron:** Director, Institute of Science, BHU  
**Chairperson:** Dean, Institute of Science, BHU  
**Head:** Prof. R.P. Sinha, Head, Dept. of Botany, I.Sc. BHU  
**Convener:** Prof. A.K. Mishra, Dept. of Botany, I.Sc., BHU  
**Co- Conveners:** Prof. R.K. Gupta, Prof. S.S. Singh, Prof. S.M. Singh, Dept. of Botany, I.Sc., BHU  
**Organizing Secretaries:** Dr. Y. Mishra, Dr. S.P. Singh, Dr. Prashant Singh, Dept. of Botany, I.Sc., BHU

## Advisory Committee

### National Advisory Committee

**Dr. S.K. Apte** (FNA, FNAsc, FNAAS)  
School of Biological Sciences, Mumbai  
**Prof. Rajagopal Subramanyam**  
(FNA, FNAsc)  
University of Hyderabad, Hyderabad  
**Dr. D.K. Upreti** (FNAsc)  
CSIR-NBRI, Lucknow  
**Prof. S.P. Adhikary**,  
(FNAAS, FNEA)  
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Eternal University, Himachal Pradesh  
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University of Allahabad, Prayagraj, U.P.  
**Dr. Alok Kumar Srivastava**  
(Director)  
ICAR-NBAIM, Mau, U.P.  
**Dr. Anand Ballal**  
BARC, Mumbai, Maharashtra  
**Prof. S.K. Verma**  
BITS Pilani, Rajasthan  
**Dr. Gerard Abraham**  
ICAR, New Delhi

### International Advisory Committee

**Dr. Shashi Kumar**  
ICGEB, New Delhi  
**Dr. K. Arun Kumar**  
Central University of Kerala, Kerala  
**Prof. Anushree Malik**  
Center for Rural Development  
and Technology, IIT Delhi  
**Prof. Ramkrishna Sen**  
Department of Biotechnology  
IIT Kharagpur  
**Prof. J.I.S. Khattar**  
Punjab University, Patiala  
**Prof. N. Thajuddin**  
B. S. Abdur Rahman Crescent  
Institute of Science & Technology, Chennai  
**Prof. P.K. Dadheech**  
Central University of Rajasthan, Rajasthan  
**Prof. P.P. Baruah**  
Gauhati University, Assam  
**Dr. Karthick Balasubramanian**  
Agharkar Research Institute, Pune, Maharashtra  
**Prof. S.D.S. Murti** (FAPAsc)  
Sri Venkateswara University, Tirupati  
**Prof. A.K. Singh**  
North-Eastern Hill University, Shillong

### Local Advisory Committee

Prof. R.K. Asthana  
Prof. N. Ghoshal  
Prof. J. Pandey  
Prof. R.N. Kharwar  
Prof. Shashi Pandey  
Prof. S. K. Dubey  
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Dr. Sanjay Kumar  
Dr. A.L. Singh

Dr. Deepak Kumar  
Dr. Bhanu Prakash  
Dr. Purabi Saikia  
Dr. Supriya Tiwari  
Dr. S.K. Verma  
Dr. Raghvendra Singh  
Dr. L.S. Songachan  
Dr. R.K. Sharma  
Dr. Prashant Singh II  
Dr. Anita Singh  
Dr. A.K. Dwivedy

Dr. Akhilesh Kumar  
Dr. J.P. Maurya  
Dr. Piyush Mathur

*Emeritus Professor/ Emeritus Scientist/ Distinguished Professor*  
**Prof. J.S. Singh**, (FNA, FAsc, FNAsc, FTWAS)  
**Prof. P.K. Singh**, (FNA, FNAsc, FNAAS)  
**Prof. A.K. Rai**, (FNAsc, FNAAS)  
**Prof. L. C. Rai**, (FNA, FAsc, FNAsc, FNAAS)  
**Prof. M. Agrawal**, (FNA, FAsc, FNAsc, FNAAS)  
**Prof. S.B. Agrawal**, (FNAsc)

## IMPORTANT DATES

Submission of Abstract (One per registration) 31<sup>st</sup> December 2025  
 Notification and Acceptance of Abstract Within 72 hours of submission  
 Payment of Registration Fees Within 7 days of abstract acceptance

## ACCOMODATION

Limited accommodation will be provided within the Banaras Hindu University campus on a first-come, first-served basis. Further details regarding accommodation options, booking procedures, and nearby hotels will be updated later, on the official conference website.

## VARANASI

### THE ETERNAL CITY OF SPIRITUAL AND CULTURAL GRANDEUR

The ancient and sacred city of Varanasi, often referred to as Kashi or Benaras, holds an unparalleled place in India's cultural and spiritual landscape. Renowned as the City of Temples and Learning, Varanasi is a treasure trove of history, heritage, and devotion. Situated on the banks of the holy river Ganges, this revered city is believed to be presided over by Lord Shiva himself, making it one of the most significant pilgrimage destinations for Hindus. Varanasi stands as a timeless symbol of India's rich traditions and deep-rooted spiritual ethos. It epitomizes the harmonious confluence of diverse cultures, religions, and communities, reinforcing its stature as the spiritual capital of India. For centuries, it has been venerated as the City of Moksha, where Hindus seek liberation from the cycle of birth and rebirth. It is also one of the Sapta Puri—the seven holiest cities in Hinduism—and is home to one of the twelve Jyotirlingas of Lord Shiva, as well as a revered Shakti Peetha. Beyond its religious significance, Varanasi is a beacon of intellectual and artistic excellence. The city has been a hub of philosophical discourse, spiritual awakening, and mysticism for millennia. It boasts a vibrant tradition of music, arts, and crafts, particularly its world-famous Banarasi silk weaving, which is synonymous with elegance and craftsmanship. Additionally, Varanasi has long been a center of education, housing institutions like Banaras Hindu University (BHU), one of the most prestigious universities in India. The city is well-connected to major Indian states and cities via an extensive network of air, rail, and road transport. The nearest airport, Lal Bahadur Shastri International Airport, is located approximately 30 km from the BHU campus. The best time to visit Varanasi is from September to February when the weather is pleasant and conducive to exploring the city's many wonders.



### Contact Address

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### Conference Email:

[icacb2026bhu@gmail.com](mailto:icacb2026bhu@gmail.com)

<https://icacb-2026.com>

## International Conference on Algal and Cyanobacterial Biology (ICACB-2026)

February 19 - 21, 2026  
Banaras Hindu University, Varanasi, India  
<https://icacb-2026.com>

### Registration and Abstract Submission Guidelines

- Abstracts should be approximately 250 words.
- Please prepare the abstract in MS Word format (.doc/.docx).
- Underline the name of the presenting author in the document.
- Submit your abstract via the official Google Form:  
[Abstract Submission Form : Click here](#)
- Notification of acceptance will be sent within 72 hours of submission.
- Upon acceptance, participants are required to complete registration within 7 days using the Google Form provided below.  
[Registration Fee Payment Form: Click here](#)
- A confirmation of registration fee payment will be issued within 72 hours of submission.

### REGISTRATION FEE

Participants	Early Bird (Until November 30, 2025)	After November 30, 2025	On Spot
International Delegates	\$100	\$150	\$200
Indian Delegates	Rs. 4000/-	Rs. 4500/-	Rs. 5000/-
Accompanying person	Rs. 3000/-	Rs. 3500/-	Rs. 4000/-
Students	Rs. 2500/-	Rs. 3000/-	Rs. 3500/-

**Registration Fee Includes:** Conference kit, breakfast, lunch and dinner during the days of conference. However, the cost of the accommodation is to be borne by the participants.

### Payment can be made online using following information.

Participants may complete the registration either using the bank details or via the Unified Payment Interface (UPI) Scanner given below.

### BANKING DETAILS

Bank Name: State Bank of India (SBI)  
 Account Name: International Conference on Algal and Cyanobacterial Biology  
 Account Number: 43928486666  
 Type of Account: Current Account  
 IFSC Code: SBIN000211, MICR Code: 221002003  
 Swift Code: SBININBB125



Feel free to use the scanner above to pay the Registration Fee

**\*Please send payment details to [icacb2026bhu@gmail.com](mailto:icacb2026bhu@gmail.com)**

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