



## Session-wise schedule of International Conference on Algal and Cyanobacterial Biology (ICACB-2026)

**Venue: Mahamana 150<sup>th</sup> Birth Anniversary Seminar Hall Complex, Institute of Science, BHU**

Thursday, 19 <sup>th</sup> February 2026 (Day 1)				
8:00-10:00 AM	Breakfast and Registration			
10:00-11:05 AM	Inaugural Program			
11:05-11:30 AM	High Tea			
<b>Session-I</b>				
<b>Chair:</b> Prof. Barry D. Bruce			<b>Co-Chair:</b> Prof. Rajagopal Subramanyam	
11:30-11:55 AM	KL-1	Prof. Susan S. Golden	Distinguished Professor, Center for Circadian Biology & Department of Molecular Biology, University of California – San Diego, La Jolla, CA, USA	Circadian Regulation of Gene Expression in Cyanobacteria, <i>In Vivo</i> and <i>In Vitro</i>
11:55-12:20 PM	KL-2	Prof. Olaf Kruse	Professor, Bielefeld University/Center for Biotechnology CeBiTec, Germany	Bioengineering Microalgae for their Application as Green Cell Factories
12:20-12:40 PM	IL-1	Prof. J.S.S. Prakash	Department of Biotechnology and Bioinformatics, University of Hyderabad, Hyderabad, India	RNA-RNA Interaction Network in <i>Synechocystis</i> : sRNA Mediated Post-Transcriptional Gene Regulation in Cyanobacteria
12:40-1:00 PM	IL-2	Dr. Shashi Kumar	International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India	Carbon Capture Using Genetically Engineered Microalgae
1:00-1:45 PM	Lunch			
<b>Session-II</b>				
<b>Chair:</b> Prof. Alejandro Heriberto Buschmann Rubio			<b>Co-Chair:</b> Prof. S.P. Adhikary	
1:45-2:10 PM	KL-3	Prof. Jeffrey R. Johansen	Professor Emeritus, Department of Biology, John Carroll University, University Heights, OH, U.S.A.	The Importance of Knowing the Taxonomic Literature: A Case Study in <i>Calothrix</i>
2:10-2:30 PM	IL-3	Dr. Jan Mareš	Biology Centre of the Czech Academy of Sciences, Institute of Hydrobiology, České Budějovice, Czech Republic	Integration of Genomic Data in Cyanobacterial Taxonomy
2:30-2:50 PM	IL-4	Prof. Spyros Gkelis	Department of Botany, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece	From Collecting the Sample to Mining the Genome: The Adventure of Biodiscovery in Cyanobacteria
2:50-3:10 PM	IL-5	Prof. Pawan Kumar Dadheech	Department of Microbiology, School of Life Sciences, Central University of Rajasthan, Ajmer, India	Revisiting Systematics of Non-Heterocytous Filamentous Cyanobacteria Thriving in Diverse Counties of India: A 21 <sup>st</sup> Century Prospective
3:10-3:30 PM	IL-6	Dr. D.K. Upreti	Lichenology Laboratory, CSIR-National Botanical Research Institute, Lucknow, India	Lichen Symbioses as Ecological Drivers: From Pioneer Communities to Bioindicators
3:30-3:45 PM	Tea Break			



<b>3:45-4:00 PM</b>		<b>Group Photograph</b>		
<b>Session-III</b>				
<b>Chair: Prof. Olaf Kruse</b>		<b>Co-Chair: Dr. Anand Ballal</b>		
<b>4:00-4:25 PM</b>	KL-4	Prof. Alejandro Heriberto Buschmann Rubio	Professor, Centro i~mar, Universidad de Los Lagos, Casilla, Puerto Montt, Chile	Genetics and Non-genetics Kelp Traits: Explaining Productivity Potential in <i>Macrocystis pyrifera</i>
<b>4:25-4:50 PM</b>	KL-5	Prof. Liliana Cepoi	Technical University of Moldova, Institute of Microbiology and Biotechnology, 3/3 Academiei str., Chisinau, Republic of Moldova	Interactions of Nanoparticles with Photosynthetic Microorganisms: Opportunities for Bionanotechnology
<b>4:50-5:10 PM</b>	IL-7	Dr. P.V. Subba Rao	Former Deputy Director/ Scientist-F and Group Leader, Marine Biotechnology and Ecology Discipline Central Salt & Marine Chemicals Research Institute (CSMCRI) Bhavnagar, India	Biodiversity, Resources, Cultivation and Blue Economy of Indian Seaweeds: Current Scenario
<b>5:10-5:30 PM</b>	IL-8	Prof. K. Arunkumar	Professor and Head Department of Plant Science Central University of Kerala, Kasaragod, India	Growth and Metabolic Responses for Astaxanthin Accumulation in <i>Haematococcus Pluvialis</i> under Heterotrophic Culture Treatments
<b>6:30-7:30 PM</b>		<b>Cultural Program</b>		
<b>7:30 PM</b>		<b>Gala Dinner</b>		

**Friday, 20<sup>th</sup> February 2026 (Day 2)**

<b>Friday, 20<sup>th</sup> February 2026 (Day 2)</b>				
<b>8:00-9:00 AM</b>	<b>Breakfast</b>			
<b>Session-IV</b>				
<b>Chair: Prof. Susan S. Golden</b>			<b>Co-Chair: Dr. Shashi Kumar</b>	
<b>9:00-9:25 AM</b>	KL-6	Prof. Barry D. Bruce	Professor, University of Tennessee, Knoxville, USA	Photosystem I: Serendipity, Symmetry, and Speculation
<b>9:25-9:50 AM</b>	KL-7	Prof. Rajagopal Subramanyam	Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad, India	Exploring The Possible Acclimation Strategies and Remodeling of Photosystem I under Hypersaline Conditions in <i>Dunaliella salina</i>
<b>9:50-10:15 AM</b>	KL-8	Dr. Anand Ballal	Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India	Molecular Characterization of Mn-Catalase 'KatB' from the Cyanobacterium <i>Anabaena</i> PCC 7120
<b>10:15-10:40 AM</b>	KL-9	Dr. Hema Rajaram	Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India	Unraveling The Probable Double Strand Break (DSB) Repair Pathway in the Radioresistant Cyanobacterium <i>Nostoc</i> PCC 7120
<b>10:40-11:00 AM</b>	<b>Tea Break</b>			
<b>Session-V</b>				
<b>Chair: Prof. Roman Sobotka</b>			<b>Co-Chair: Dr. Gerard Abraham</b>	
<b>11:00-11:25 AM</b>	KL-10	Prof. James Golden	Department of Molecular Biology, University of California, San Diego, La Jolla, CA, USA	Engineering Expression of Natural Products in Cyanobacteria
<b>11:25-11:50 AM</b>	KL-11	Dr. Alok Arun	Department of Biological Sciences, Naraghi Hall of Science, 1 University Circle, California, USA	Leveraging Algal Model Systems to Decipher Developmental Mechanisms
<b>11:50-12:10 PM</b>	IL-9	Prof. Krishna Mohan Poluri	Department of Biosciences and Bioengineering & Centre for Nanotechnology Indian Institute of Technology Roorkee, Roorkee, India	Elucidation of Microalgae based Environment-Energy Paradigm as Sustainable Biorefinery Approach
<b>12:10-12:30 PM</b>	IL-10	Dr. Manisha Banerjee	Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India	Insight into the Versatile Functional Purview of Disordered Proteins in Cyanobacterial Stress Adaptation
<b>12:30-1:30 PM</b>	<b>Poster Session (Lawn of the Department of Botany)</b> <b>Chair: Prof. A.S. Ahluwalia</b> <b>Co-Chair(s): Prof. Spyros Gkelis, Dr. Lira Gaysina, Dr. Ekaterina Vodeneeva</b>			
<b>1:30-2:15 PM</b>	<b>Lunch</b>			
<b>Session-VI Emerging Phycologists Session</b>				
<b>Session: VIA</b>				
<b>Chair: Prof. Jeffrey R. Johansen</b>			<b>Co-Chair: Prof. Pawan Kumar Dadheech</b>	
<b>2:15-2:40 PM</b>	KL-12	Dr. Muriel Gugger	Collection of Cyanobacteria, Department of Microbiology, Institut Pasteur, Paris, France	The Pasteur Cultures of Cyanobacteria: An Asset for Cyanobacterial Taxonomy and Natural Product Discoveries
<b>2:40-2:52 PM</b>	EP-1	Dr. Kateřina Sobotková	Biology Centre - Institute of Plant Molecular Biology, Czech Academy of Sciences, České Budějovice, Czechia	Epigenome of the Green Alga <i>Chlorella sorokiniana</i>



2:52-3:04 PM	EP-2	Dr. Samujjal Bhattacharjee	Department of Botany, Institute of Science, Banaras Hindu University, Varanasi, India	Orthocaspases in the Symphony of Cyanobacterial Cell Death
3:04-3:16 PM	EP-3	Dr. Sayali Hanamghar	Friedrich Schiller University Jena, Matthias Schleiden Institute for Genetics, Bioinformatics and Molecular Botany, Synthetic Biology of Photosynthetic Organisms, Jena, Germany	Fifty Shades of Yellow: Establishing Betaxanthin Pigment Biosynthesis in Cyanobacteria
3:16-3:28 PM	EP-4	Dr. Sagarika Pal	Department of Pharmaceutical Engineering and Technology, Indian Institute of Technology, Banaras Hindu University, Varanasi, India	<i>Desikacharya</i> : The “Tropical <i>Nostoc</i> ”? Taxonomy and distribution of the genus <i>Desikacharya</i> in India, with Special Reference to the Northeast
3:28-3:40 PM	EP-5	Dr. Gayathri Manickam	Laboratory of Algal Biotechnology-Centre Algatech, Institute of Microbiology of the Czech Academy of Sciences, Trebon, Czech Republic	Exploring the Molecular Diversity of Cyanopeptides in Eutrophic Ponds Using MS/MS-Based Networking
3:40-3:52 PM	EP-6	Dr. Aniket Saraf	Collection of Cyanobacteria, Department of Microbiology, Institut Pasteur, Paris, France	Morphological Diversity and Microcystin Biosynthesis in Pseudanabaenales: Advancing our Understanding of Cyanobacterial Evolution
3:52-4:04 PM	EP-7	Dr. Ashwani K. Rai	Department of Molecular Biology, Princeton University, Princeton, USA	Building the Algal Pyrenoid in <i>Auxenochlorella</i> : From Organelle Biology to Crop Improvement
4:04-4:16 PM	EP-8	Dr. Neha Gupta	Department of Botany, Institute of Science, Banaras Hindu University, Varanasi, India	Nitric Oxide Synthase-Derived NO Mediate Metabolic and Regulatory Reprogramming in the Cyanobacterium <i>Aphanizomenon flos-aquae</i> 2012/KM1/D3
<b>Session: VIB</b>				
<b>Chair: Prof. James Golden</b>			<b>Co-Chair: Dr. Kumar Saurav</b>	
4:16-4:28 PM	EP-9	Dr. Prachi Nawarkar	International Centre for Genetic Engineering and Biotechnology, New Delhi, India	Modifying CCM in <i>Chlorella</i> for Enhanced Biological Carbon Capture
4:28-4:40 PM	EP-10	Dr. Supriya Pandey	Department of Biotechnology, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India	Production of Biodiesel from Freshwater Microalgae
4:40-5:00 PM	<b>Tea Break</b>			
5:00-5:12 PM	EP-11	Dr. Avinash Singh	School of Materials Science and Technology. Indian Institute of Technology-BHU, Varanasi, India	Acetate-Induced Bioenergetics Switching Orchestrates the Lipid Profile in <i>Chlamydomonas reinhardtii</i>
5:12-5:24 PM	EP-12	Dr. Asharani Prusty	Computational Genomics lab, Structural Biology and Bioinformatics Division, CSIR Indian Institute of Chemical Biology, Kolkata, India	Adaptive Stress Resilience and Therapeutic Promise in the Marine Cyanobacterium <i>Oscillatoria salina</i> IICB1



5:24-5:36 PM	EP-13	Ms. Dhanya P	Department of Plant Science, Central University of Kerala, Kasaragod, India	Synthesis and Characterisation of Fucoidan Mediated Metal Oxide Nanoparticles for Bio-stimulant Activity
5:36-5:48 PM	EP-14	Ms. Anjali Gupta	Department of Botany, Institute of Science, Banaras Hindu University, Varanasi, India	Functional Insights into Glutaredoxin 3 (Grx3) from <i>Synechococcus elongatus</i> PCC 7942: A Key Player in Stress Tolerance and Cellular Fitness in Bacteria and Cyanobacteria
5:48-6:00 PM	EP-15	Ms. Priyanka Pathak	Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India	Molecular Insight into the Role of Hik2-Rre1 Interaction Acting as Two-Component Signaling System in Cyanobacterium <i>Anabaena</i> PCC 7120
07:30 PM	<b>Dinner</b>			

### Parallel Sessions

<b>Friday, 20<sup>th</sup> February 2026 (Day 2)</b>				
<b><u>Parallel Session I</u></b>				
<b>Chair: Prof. Spyros Gkelis</b>			<b>Co-Chair: Prof. J.I.S. Khattar</b>	
9:00-9:20 AM	IL-11	Prof. Partha Pratim Baruah	Department of Botany, Gauhati University, Guwahati, India	A Silent Struggle: How Climate Change Exacerbate the Fresh Water Algal Diversity in Himalayan Protected Areas
09:20-09:40 AM	IL-12	Dr. Jayashree Rout	Department of Ecology and Environmental Science, Assam University, Silchar, India	Northeast India – An Emerging Eco-Hub for Exploring Algal Diversity, Bioprospection and Sustainability
9:40-9:55 AM	OP-1	Dr. Yadvinder Singh	Department of Botany, Central University of Punjab, Bathinda, India	Cyanobacterial Community Composition in Biocrusts from Lahul-Spiti Cold Desert of Indian Trans-Himalayan Region
9:55-10:10 AM	OP-2	Dr. Sanjeeva Nayaka	Lichenology Laboratory, CSIR National Botanical Research Institute, Lucknow, India	Diversity and Phylogenetic Relationships of Photobionts in Lichens across Ecological Gradients in India
10:10-10:25 AM	OP-3	Dr. Jayant K Sahu	Department of Botany, Larambha College, Larambha, India	Molecular Phylogenetic analysis of two T-branched Stigonematalean Species (Blue-green algae/Cyanophyta) using 16S rRNA Gene Sequence
10:25-10:40 AM	OP-4	Dr. Sudhir Kumar Yadav	Botanical Survey of India, CGO Complex, Sector 1, Salt Lake City, Kolkata, India	Taxonomic Account of the Red Marine Macro Algae (Rhodophyta) Of India and Its Economic Perspectives
10:40-11:00 AM	<b>Tea Break</b>			
<b><u>Parallel Session II</u></b>				
<b>Chair: Dr. Ekaterina Vodeneeva</b>			<b>Co-Chair: Prof. Krishna Mohan Poluri</b>	
11:00-11:20 AM	IL-13	Prof. Rama Kant	Department of Botany, Chaudhary Charan Singh University, Meerut, India	Diversity and morpho-taxonomy of corticolous cyanobacteria from Meerut, India
11:20-11:35 AM	OP-5	Dr. Chitra Bahadur Baniya	Central Department of Botany, Tribhuvan University, Kathmandu, Nepal	Elevation Pattern of Blue-Green Lichens in the Himalayas



11:35-11:50 AM	OP-6	Dr. Shailesh K Patidar	Department of Environmental Science, School of Earth Sciences, Central University of Rajasthan, Ajmer, India	Phycospheric engineering and quorum sensing induced mechanisms for manipulation of algal metabolomics and biofuels
11:50-12:05 PM	OP-7	Dr. Neha Chauraisa	Department of Biotechnology and Bioinformatics, North-Eastern Hill University, Shillong, India	Investigating the Antimicrobial activity of Cyanobacterium <i>Neowestiellopsis</i> Utilizing in vitro and <i>in silico</i> Approach
12:05-12:20 PM	OP-8	Dr. Gour Gopal Satpati	Department of Botany, Bangabasi Evening College, Kolkata, India	Mangrove-Associated Green Algae and Their Co-culture for Sustainable Biodiesel Production
12:20-12:35 PM	OP-9	Dr. Avik Kumar Choudhury	PG Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Kolkata, India	Decadal changes in habitat characteristics drive shifts in diatom communities as envisaged through <i>in situ</i> and geoinformatics methods in nearshore water of coastal West Bengal
12:35-1:30 PM		<b>Poster Session (Lawn of the Department of Botany)</b> <b>Chair:</b> Prof. A.S. Ahluwalia <b>Co-Chair(s):</b> Prof. Spyros Gkelis, Dr. Lira Gaysina, Dr. Ekaterina Vodeneeva		
1:30-2:15 PM	<b>Lunch</b>			
<b>Parallel Session III</b>				
<b>Chair:</b> Dr. P.V. Subba Rao		<b>Co-Chair:</b> Dr. Manisha Banerjee		
2:15-2:35 PM	IL-14	Prof. N. Thajuddin	B. S Abdur Rahman Crescent Institute of Science & Technology, (Deemed to be University) Vandalur, Chennai, India	Exploring Microalgae and Cyanobacteria as an Important Bioresource for Advancing Environment, Energy, and Health
2:35-2:50 PM	OP-10	Dr. Gaurav K.Mishra	Lichenology Laboratory, Plant Diversity Systematics & Herbarium Division, CSIR-National Botanical Research Institute, Lucknow, India	Ultraviolet Radiation Effect on Primary Metabolism in Alpine Lichenized Algae and Cyanobacteria
2:50-3:05 PM	OP-11	Dr. Sonia Chaudhary	Department of Biosciences and Bioengineering, Indian Institute of Technology Roorkee, India	Elucidating the Intricate Molecular Dynamics and Adaptive Responses of <i>Chlorella minutissima</i> under Hexavalent Chromium for a Resilient Biorefinery Paradigm
3:05-3:20 PM	OP-12	Dr. Mohneesh Kalwani	Department of Biotechnology, Dr Ghanshyam Singh PG College, Varanasi, India	Effect of Different Salts on Growth of <i>Chlorella</i> sp. MK and Its Performance in Municipal Wastewater
3:20-3:35 PM	OP-13	Dr. Sudatta Maity	Techno India University, West Bengal, India	Bioprospecting Marine Cyanobacterial Species for Harnessing Sustainable Bioethanol Production
3:35-3:50 PM	OP-14	Dr. V. D. Pandey	Department of Botany, Pt. L.M.S. Campus, Sridev Suman Uttarakhand University, Rishikesh, India	Cyanobacteria in sustainable hill agriculture
3:50-4:05 PM	OP-15	Dr. Milind Mohan Naik	School of Biological Sciences and Biotechnology, Goa University	Application of Marine Bacteria Associated with Seaweed, <i>Ulva lactuca</i> , for Degradation of Algal Waste



<b>4:05-4:20 PM</b>	OP-16	Ms. Pragati Doke	Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India	Abiotic stress induced differential modulation of <i>nmpks</i> : implication beyond dNTP pool management in cyanobacterium <i>Nostoc</i> sp. PCC 7120
<b>4:20-4:35 PM</b>	OP-17	Dr. Raman Kumar	Applied Phycology and Food Technology, CSIR-Institute of Himalayan Bioresource Technology, Palampur, India	From Lab to Society: Biotechnological and Nutritional Approaches to Combat Iron Deficiency and Protein Malnutrition Utilizing Microalgae <i>Arthrospira Platensis</i>
<b>4:40-5:00 PM</b>	<b>Tea Break</b>			
<b>5:15-5:30 PM</b>	OP-18	Dr. Shaloo Verma	ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau, India	Untapped potential of terrestrial unicellular cyanobacteria as potential bioresource for polyphenolics and antioxidants
<b>07:30 PM</b>	<b>Dinner</b>			



Saturday, 21 <sup>st</sup> February 2026 (Day 3)				
8:00-9:00 AM	Breakfast			
<b>Session-VII</b>				
Chair: Dr. Jan Mareš		Co-Chair: Dr. D.K. Upreti		
9:00-9:25 AM	KL-13	Prof. Roman Sobotka	Centre Algatech, Institute of Microbiology, Czech Academy of Sciences, Třeboň, Czech Republic	How to Control the Traffic in Tetrapyrrole Pathway (Highway) in Phototrophs? A Structural Insight
9:25-9:45 AM	IL-15	Dr. Kumar Saurav	Laboratory of Algal Biotechnology, Institute of Microbiology of the Czech Academy of Sciences - Center Algatech, Třeboň, Czech Republic	Exploring the Phytoplankton Metagenome for Cyanopeptide Biosynthetic Pathways and Their Heterologous Expression in <i>E. coli</i>
9:45-10:05 AM	IL-16	Dr. Vendula Krynicka	Laboratory of Photosynthesis, Center Algatech, Institute of Microbiology CAS, Trebon, Czech Republic	Rewiring Cyanobacterial Metabolism by a Synthetic Transcription Factor
10:05-10:25 AM	IL-17	Dr. Celin Acharya	Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India	Decoding the Extraordinary Resilience and Plasticity of Cyanobacterial Interactions with Uranium Important for Bioremediation
10:25-10:45 AM	IL-18	Dr. Lira Gaysina	Department of Bioecology and Biological Education, M. Akmullah Bashkir State Pedagogical University, Ufa, Russia	Biostimulatory Effects of Algal and Cyanobacterial Strains on Cucumber ( <i>Cucumis sativus</i> L.) Growth under Hydroponic Conditions
10:45-11:05 AM	IL-19	Dr. Sangram K Lenka	Gujarat Biotechnology University, GIFT-City, Gandhinagar, India	Applied Photochemistry and Multi-Omics Strategies for Optimizing Microalgal Lipids and Pigments toward Sustainable Chemical Biomanufacturing
11:05 -11:20 AM	Tea Break			
<b>Session-VIII</b>				
Chair: Dr. Muriel Gugger		Co-Chair: Prof. K. Arunkumar		
11:20-11:45 AM	KL-14	Prof. Josef Elster	Institute of Botany AS CR, Czechia	Winter Thaws in Polar Terrestrial Environments Under Global Warming: Impacts and Survival Strategies
11:45-12:10 PM	KL-15	Dr. David U. Hernández-Becerril	Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Cd. de México, México	Diversity and Ecology of the Marine Phytoplankton from the Mexican Pacific Ocean
12:10-12:30 PM	IL-20	Dr. Karthick Balasubramanian	Biodiversity and Paleobiology Group, Agharkar Research Institute, Pune, India	Beyond Water and Walls: Diatoms Across Hidden Habitats, Gradients, and Environmental Change in the Tropics
12:30-12:50 PM	IL-21	Dr. Ekaterina Vodeneeva	Algology laboratory, Institute of Biology and Biomedicine, Lobachevsky State University, Nizhny Novgorod, Russia	Winter Phytoplankton and Ice Algae as a Component of Freezing Freshwater Lakes (Middle Volga basin, Russia)
12:50-1:50 PM	<b>Poster Session (Lawn of the Department of Botany)</b> Chair: Prof. Liliana Cepoi Co-Chair(s): Dr. O.N. Tiwari, Dr. Rupal Singh Tomar, Dr. V. D. Pandey			
1:50-2:30 PM	Lunch			



<b>Session-IX</b>				
<b>Chair: Prof. A.S. Ahluwalia</b>			<b>Co-Chair: Prof. J.S.S. Prakash</b>	
<b>2:30-2:55 PM</b>	KL-16	Prof. S.P. Adhikary	Department of Biotechnology, Institute of Science, Visva-Bharati, Santiniketan, India	Biodiversity of Stress Tolerant Cyanobacteria on Exposed Surfaces of Monuments of Cultural Heritage, Their Biodeteriogenic Activity and Possible Control for Conservation
<b>2:55-3:15 PM</b>	IL-22	Prof. J.I.S. Khattar	Department of Botany, Punjabi University Patiala, India	Mechanism of Pretilachlor Tolerance in the Cyanobacterium <i>Synechocystis</i> Sp. Ppccc 64
<b>3:15-3:35 PM</b>	IL-23	Dr. Anjana Jajoo	School of Life Science, Devi Ahilya University, Indore. India	Harnessing Algae for the Removal of Polycyclic Aromatic Hydrocarbons from Polluted Environments
<b>3:35-3:55 PM</b>	IL-24	Dr. Sachitra K Ratha	Principal Scientist, Algology Laboratory, Plant Diversity, Systematics and Herbarium Division, CSIR-National Botanical Research Institute, Lucknow, India	Biomass to Biocrude: Opportunities and Challenges in Scaling Hydrothermal Liquefaction from Lab to Pilot Scale
<b>3:55-4:15 PM</b>	<b>Tea Break</b>			
<b>4:15-5:30 PM</b>	<b>Valedictory and Prize distribution</b>			
<b>7:30 PM</b>	<b>Dinner</b>			

### Parallel Sessions

<b>Saturday, 21<sup>st</sup> February 2026 (Day 3)</b>				
<b>Parallel Session IV</b>				
<b>Chair: Prof. P. Anantharaman</b>			<b>Co-Chair: Prof. Alok Arun</b>	
<b>9:00-9:20 AM</b>	IL-25	Dr. O.N. Tiwari	Centre for Conservation and Utilisation of Blue Green Algae (CCUBGA), ICAR-Indian Agricultural Research Institute (PUSA), New Delhi, India	Conservation and characterization of Nostocales cyanobacteria from Indo- Burma biodiversity hotspot towards agricultural and biotechnological potentials
<b>9:20-9:35 AM</b>	OP-19	Dr. Balkrishna Tiwari	Genetics and Tree Improvement Division, ICFRE - Himalayan Forest Research Institute Shimla, India	<i>Fischerella</i> sp. LMGA1: A Potential Cyanobacterial Strain for Bioremediation of Organophosphate Pesticides, Including Methyl Parathion
<b>9:35-9:50 AM</b>	OP-20	Dr. Nirmal Renuka	Department of Botany, Central University of Punjab, Bathinda, India	Microalgal Consortia Improve Soil Fertility, Modulate Soil Microbial Diversity and Enhance Crop Yield in <i>Capsicum Annuum</i>
<b>9:50-10:05 AM</b>	OP-21	Dr. Rupal Singh Tomar	Centre for Scientific and Applied Research, IPS Academy, Indore, India	Small Protein with Big Role: ApcG Tunes Phycobilisome-Photosystem Energy Transfer in <i>Synechocystis</i> sp. PCC 6803
<b>10:05-10:20 AM</b>	OP-22	Dr. Nagaraj Subramani	Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai, India	Harnessing Epiphytic Microalgae for Nature-Based Phycoremediation of Freshwater Plastic Pollution



10:20-10:35 AM	OP-23	Dr. Hillol Chakdar	ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau, India	Cyanobacteria as a Bioresource for Antioxidant and Antimicrobial Compounds: A Case Study with Terrestrial and Aquatic Cyanobacteria
10:35-10:50 AM	OP-24	Ms. Waniabha. J. Lyngdoh	Department of Biochemistry North Eastern Hill University, Shillong, India	Cyanobacterial abundance diversity with emphasis on <i>Microcystis aeruginosa</i> in freshwater Lakes in Meghalaya, India
10:50-11:05 AM	OP-25	Dr. Jithesh Vijayan	School of Biological Sciences, University of Nebraska-Lincoln, Lincoln, NE, USA	Nitrogen starvation leads to TOR kinase-mediated downregulation of fatty acid synthesis in the algae <i>Chlorella sorokiniana</i> and <i>Chlamydomonas reinhardtii</i>
11:05-11:20 AM	<b>Tea Break</b>			
<b>Parallel Session V</b>				
<b>Chair: Prof. N. Thajuddin</b>		<b>Co-Chair: Dr. Celin Acharya</b>		
11:20-11:40 AM	IL-26	Prof. P. Anantharaman	CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, India	Biodiesel Production from Marine Algae
11:40-11:55 AM	OP-26	Dr. Meghanath Prabhu	School of Biological Sciences and Biotechnology, Panaji, India	Nitrogen and Phosphorous Sequestration from Cow Urine using Struvite Precipitation and Microalgae: Insights into Cow Urine Biorefinery
11:55-12:10 PM	OP-27	Dr. Lakshangy Suresh Charya	School of Biological Sciences and Biotechnology, Goa University, Panaji, India	Production of bioplastic materials by microalgae and cyanobacteria isolated from freshwater sources in Goa
12:10-12:25 PM	OP-28	Dr. Vikas Kapase	Metabolic Engineering Group, International Centre for Genetic Engineering and Biotechnology, New Delhi, India	<i>In silico</i> Analysis of Myb Transcription Factor Family and Overexpression of Myb Transcription Factor leads to Enhancement of Total Lipids in <i>Chlorella zofingiensis</i>
12:25-12:40 PM	OP-29	Allwin Vinoth J	Department of Microbiology, Madras Christian College (Autonomous), Chennai, India	Immobilized Microalgal Bio-culture System for Integrated Plant, Fish and Microalgal Cultivation (IPFMC): A One-loop System for Improved Water Footprint and Microalgal Biomass Productivity
12:40-1:50 PM	<b>Poster Session (Lawn of the Department of Botany)</b> <b>Chair: Prof. Liliana Cepoi</b> <b>Co-Chair(s): Dr. O.N. Tiwari, Dr. Rupal Singh Tomar, Dr. V. D. Pandey</b>			
1:50-2:30 PM	<b>Lunch</b>			
<b>Parallel Session VI</b>				
<b>Chair: Prof. R.K. Gupta</b>		<b>Co-Chair: Prof. S.M. Singh</b>		
2:30-2:50 PM	IL-27	Dr. Pranita Jaiswal	Centre for Conservation and Utilization of Blue Green Algae, Division of Microbiology, Indian Agricultural Research Institute, New Delhi, India	Salt-Induced Biochemical Responses in <i>Nostoc</i> sp under mixotrophic condition: A Strategy for Carotenoid Enhancement
2:50-3:00 PM	OP-30	Dr. Kaushal Kishore Choudhary	Department of Botany, Ram Jaipal College, Jai Prakash University, Chapra, India	Cyanobacteria as a source of biomolecules for sustainable development



3:00-3:10 PM	OP-31	Vijaya K. Patil	Department of Botany, P.S.G.V.P.M's Arts, Commerce and Science College, Shahada District, Nanadurbar, India	Evaluation of Biodiesel Potential of Algae from Hot Water Springs of Nandurbar, Maharashtra
3:10-3:20 PM	OP-32	Prof. S.S. Maurya	Kumaun University, Nainital, Botany Department, P.N.G. Govt. P.G. College, Ramnagar, Nainital, India	Taxonomic and Seasonal Distribution of Algae in the Freshwater Ecosystem of Kosi River in Kumaun Himalaya, Uttarakhand
3:20-3:30 PM	OP-33	Dr. Prashant Swapnil	School of Basic Sciences, Department of Botany, Central University of Punjab, Bathinda, India	Salinity-Induced Biphasic ROS Generation and Programmed Cell Death in Cyanobacteria
3:30-3:40 PM	OP-34	Dr. Ekta Shukla	Department of Botany, Faculty of Science and Technology, Sunbeam College for Women, Varanasi, India	Response of cyanobacteria during abiotic stress with special reference to membrane biology
3:40-3:50 PM	OP-35	Dr. Sindhunath Chakaraborty	Laboratory of Genomics II, ICAR-NBAIM, Mau, U.P., India	Differential Zinc Tolerance and Biosorption Strategies in <i>Anabaena doliolum</i> and <i>Anabaena oryzae</i>
3:50-4:00 PM	OP-36	Dr. Surbhi Kharwar	Department of Botany, University of Lucknow, Lucknow, India	Studies on the Mechanisms Underlying Morpho- physiological and Biochemical Responses Upon Sulfate Limitations in the Cyanobacterium, <i>Anabaena</i> sp. PCC 7120
4:00-4:10 PM	OP-37	Dr. Ekta Verma	P.G. Department of Botany, Magadh University, Bodh Gaya, India	PII-mediated Control of Acetyl- CoA Metabolism and its Deregulation under Nitrogen- starvation Induced Oxidative Stress
4:00-4:15 PM	<b>Tea Break</b>			
4:15-5:30 PM	<b>Valedictory and Prize distribution</b>			
7:30 PM	<b>Dinner</b>			