4th Annual Symposium on Advances in Algal Research (AAR-2026)

November 3-4, 2026 | Venue: CSIR-NEERI, Nagpur

PROGRAM

DAY 1: 3rd November 2026		
08:00-09:00	**Registration & Breakfast** **Registration Venue: Foyer, Main Building** **Breakfast Venue: Guest House, CSIR-NEERI**	
09:00 – 09:45	**Inaugural Session & AAR 2026 Awards Presentations** **Venue: Auditorium**	
09:45 – 11:30	**IL Session I** **Venue: Auditorium** Chairs: Anushree Malik & N.S. Sampath Kumar	
09:45 – 10:05	Mid-Career Award Winner Talk	
10.05 – 10.23	IL001	**R. Vinu,** IIT Madras *Macroalgae Seaweed to Platform Chemicals via Thermochemical and Catalytic Pathways*
10:23– 10:41	IL002	**Balendra Singh**, DBT *Advancing Low-carbon Transitions through Integrated Biorefinery Innovations*
10:41 – 10:59	IL003	**Gunjan Prakash**, Institute of Chemical Technology, Mumbai *Algal based cultivation for economic value and environment friendly practices*
10:59 – 11:17	IL004	**Nilotpala Pradhan**, CSIR-IMMT, Bhubaneswar *Algae-Nanomaterial biohybrid system for enhanced yield of biomass and valuable metabolites*
11:17 – 11:30	Q&A Session	
11:30– 12:00	**Tea Break & Networking** **Venue: Guest House, CSIR-NEERI**	
12:00 – 13:30	**IL Session II (Parallel Session)** **Venue: Auditorium** Chairs: Anjani Devi Chintagunta & Nirmal Renuka	
12:00 – 12:18	IL005	**Sabeela Beevi Ummalyma**, RCSS, Kochi *Bioremediation Potential of Micractinium sp. for Bisphenol A Removal in Brackish Water: A Sustainable Strategy for Emerging Contaminant Management*
12:18 – 12:36	IL006	**Venkata Subhash**, Reliance Industries Limited, R&T, Navi Mumbai *Algae Biorefinery: A Sustainable Platform for Value Addition*
12:36 – 12:54	IL007	**Rajasri Yadavalli**, Chaitanya Bharathi Institute of Technology, Hyderabad *From Seaweed to Sustainable Bioplastics: Opportunities, Challenges, and Translational Pathways for Commercial Manufacturing*
12:54 – 13:12	IL008	**Dineshkumar Ramalingam**, CSIR-CSMCRI Bhavnagar *Marine Microalgae for Flue Gas CO_2 Sequestration: From Laboratory Optimization to Pilot-Scale Demonstration Optimization to Pilot-Scale Demonstration*
13:12 – 13:30	Q&A Session	
12:00 – 13:30	**IL Session III (Parallel Session)** **Venue: Committee Room-II** Chairs: Mona Sharma & Monika Prakash Rai	
12:00 – 12:18	IL009	**N. S. Sampath Kumar**, Vignan's Foundation for Science, Technology & Research *Microalgal Polysaccharide-Based Synbiotic Encapsulation of Shrimp-Associated Probiotics: A Novel Strategy for Disease Management in Whiteleg Shrimp (Litopenaeus vannamei)*
12:18 – 12:36	IL010	**Manupati Hemalatha**, KL University, Andhra Pradesh *Integrated Photosynthetic Biorefinery Platforms for Sustainable Biomass and Multi-Product Valorisation*
12:36 – 12:54	IL011	**Rajagopal Subramanyam**, University of Hyderabad *Deciphering Acclimation Strategies and Photosystem I Remodelling in Dunaliella salina under Hypersaline Conditions*
12:54 – 13:12	IL012	**Nirmal Renuka**, Central University of Punjab *Microalgal bioinoculants for sustainable agriculture: Effect on soil Microalgal bioinoculants for sustainable agriculture: Effect on soil fertility, microbiome diversity and crop yield*
13:12 – 13:30	Q&A Session	
13:30 – 14:30	**Lunch & Networking** **Venue: Guest House, CSIR-NEERI**	

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14:30– 15:20	**AAR 2026 Award Lectures** **Venue: Auditorium** Chair: R. Vinu	
14:30– 14:50	Early Career Award Winner Talk	
14:50 – 15:10	Emerging Career Award Winner Talk	
15:10 – 15:20	Q&A Session	
15:20 – 16:45	**IL Session IV (Parallel Session)** **Venue: Auditorium** Chairs: Gunjan Prakash & Sabeela Beevi Ummalyma	
15:20 –15:38	IL013	**Kalyan Gayen**, National Institute of Technology Agartala *Microalgae based pharmaceutical products: A case study on extracellular polysaccharide (EPS)*
15:38 –15:56	IL014	**Sangram K. Lenka**, Gujarat Biotechnology University *Engineering the Light-Driven Algal Cell: From Metabolic Reprogramming and Nanobiotechnology to Next-Generation Phycofactories*
15:56 – 16:14	IL015	**Mona Sharma**, Central University of Haryana *Exploration of North Indian Hot Springs for Revealing the Potential of Thermophilic Cyanobacteria for Industrial Applications*
16:14 – 16:32	IL016	**Rishiram Ramanan**, Central University of Kerala *Unveiling unconventional products, processes, and feedstock for advancing algal biorefineries*
16:32 – 16:45	Q&A Session	
15:20 – 16:45	**IL Session V (Parallel Session)** **Venue: Committee Room-II** Chairs: Dineshkumar Ramalingam & V. Veeragurunathan	
15:20 –15:38	IL017	**Monika Prakash Rai**, MNNIT Allahabad *Integration of Nanomaterials in Microalgae System for Carbon capture, Waste utilization and Sustainable Bioproducts*
15:38 –15:56	IL018	**Anjani Devi Chintagunta**, Vignan's Foundation for Science, Technology & Research *From Native Cyanobacterial Diversity to Functional Potential: Neowollea manoromensis VU24*
15:56 – 16:14	IL019	**Prangya Ranjan Rout,** Dr B R Ambedkar National Institute of Technology Jalandhar *Algal Biotechnology for Tackling PFAS Contamination: Current Advances and Future Opportunities in Remediation and Biomass Valorization*
16:14 – 16:32	IL020	**Shailendra Pratap Singh**, BHU, Varanasi *Uncovering the broad physiological impact of cyanobacterial glutaredoxins*
16:32 – 16:45	Q&A Session	
16:45 – 18:15	**POSTER SESSION with Tea & Networking** **Venue: Besides Auditorium**	
18:15 – 19:15	**Short Oral Presentations I (Parallel Session): *Wastewater Bioremediation and Resource Recovery*** **Venue: Committee Room-II** Chairs: Rajasri Yadavalli & Manupati Hemalatha	
18:15 – 18:25	SOP 001	**Rupal Singh Tomar,** IPS Academy, Indore *Microalgal Bioremediation of Polycyclic Aromatic Hydrocarbons: Linking Pollutant Removal with Photosynthetic Responses*
18:25 – 18:35	SOP 002	**Amit Dobhal,** IIT Roorkee *Sequential Aeration and Chitosan Pretreatment of Liquid Anaerobic Digestate for Enhanced Spirulina Cultivation*
18:35 – 18:45	SOP 003	**Dhanasekaran Subashri,** RCSS, Kochi *Algal-Based Biostimulants for Climate-Resilient Agriculture: Preliminary Evaluation of Wastewater-Grown Algal formulation for Seed Priming*
18:45 – 18:55	SOP 004	**Pratiksha Laxmikant Baingane,** IIT Delhi *Edible Agaricus bisporus Mycelia: A Novel Tool for Harvesting Chlorella pyrenoidosa and Generating Nutrient-Rich Composite Biomass*
18:55 – 19:05	SOP 005	**Gautam Venkatrayalu,** IIT Roorkee *Molecular adaptations of microalgae to PVC-nanoplastics stress from a metabolomic and lipidomic perspective*

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19:05 – 19:15	SOP 006	**Anuj Sharma**, MNIT, Allahabad *Deciphering Microalgal Responses to As (III), Cd (II) and Pb (II) Stress: Insights from Growth, Oxidative Stress and Surface Characterization*
18:15 – 19:05	**Short Oral Presentations II (Parallel Session): *Carbon Capture, Climate Mitigation and CO_2 Utilization*** Chairs: Rishiram Ramanan & Shailendra Pratap Singh **Venue: Auditorium**	
18:15 – 18:25	SOP 007	**Ananya Mukherjee,** Azim Premji University, Bhopal *Thylakoid localized bestrophin-like proteins are essential for the CO_2 concentrating mechanism of Chlamydomonas reinhardtii*
18:25 – 18:35	SOP 008	**Vedavarshini N,** IIT Tirupati *Multi-Criteria Decision Framework for Algal Strain Selection for Carbon Capture and Biofuel Production*
18:35 – 18:45	SOP 009	**Rohinish Grover,** IITRoorkee *An Integrated Microalgal Photobioreactor for Air-Quality Improvement, CO_2 Utilization and Biomass Generation*
18:45 – 18:55	SOP 010	**Bharmjeet Singh,** ICGEB, New Delhi *Flipping the Metabolic Switch: CO_2-Enriched Nitrogen Restriction Drives Dual-Phase Astaxanthin Accumulation in Chromochloris zofingiensis*
18:55 – 19:05	SOP 011	**Kanagathara K C,** SASTRA, Thanjavur *Carbon-Negative Biorefineries from Microalgae and Cyanobacteria: A CCUS Perspective*
19:30 – 20:00	**Cultural Program** **Venue: Auditorium**	
20:00 Onwards	**Dinner & Networking** **Venue: Guest House, CSIR-NEERI**	

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DAY 2: 4th November 2026		
08:00 – 09:00	**Breakfast** **Venue: Guest House, CSIR-NEERI**	
09:00 – 10:30	**IL Session VI** **Venue: Auditorium** Chairs: Nilotpala Pradhan & Sourish Bhattacharya	
09:00 – 09:18	IL021	**Anushree Malik,** IIT Delhi *Amazing Interactions of Microalgae: The drivers & Practical Implications*
09:18 – 09:36	IL022	**Pannaga Pavan Jutur**, ICGEB New Delhi *Redefining Phycofactories: Algal Innovation for Sustainable Development through Omics-level Metabolic Rewiring*
09:36 – 09:54	IL023	**Sachitra Kumar Ratha,** CSIR-National Botanical Research Institute, Lucknow *Integrated Assessment of Photosynthetic Efficiency, Carbon Capture, Energy Potential and dewatering of biomass of Microalgae for Sustainable Biomass Production*
09:54 – 10:12	IL024	**Datta Madamwar**, Charotar University of Science & Technology *Characterization and Therapeutic Applications of Cyanobacterial Phycobiliproteins*
10:12 – 10:30	IL025	**V. Veeragurunathan**, CSIR-CSMCRI *Seaweed Resources, Cultivation and Utilization in India*
10:30 – 10:45	Q&A Session	
10:45 – 11:30	**Poster Session with Tea Break & Networking** **Venue: Besides Auditorium**	
11:30 – 12:40	**IL Session VII (Parallel Session)** **Venue: Auditorium** Chairs: Pannaga Pavan Jutur & Sachitra Kumar Ratha	
11:30 – 11:48	IL026	**Paramasivan Balasubramanian,** NIT-Rourkela *Current trends of AI/ML in Algal Biotechnology*
11:48 – 12:06	IL027	**Amritpreet Kaur Minhas**, The Energy and Resources Institute, New Delhi *Fungal Cell-Free Extract-Mediated Biotransformation of Cyanobacterial Biomass for Enhanced Bioavailability of Nutrients*
12:06 – 12:24	IL028	**Amit K. Bajhaiya**, Central University of Tamil Nadu *Deciphering Salt-Stress Adaptation in Microalgae: From Metabolic Remodeling to Molecular Regulation*
12:24 – 12:40	Q&A Session	
11:30 – 12:40	**IL Session VIII (Parallel Session)** **Venue: Committee Room-II** Chairs: Nitin Trivedi & Azam Sheikh	
11:30 – 11:48	IL029	**Shireesh Srivastava**, ICGEB, New Delhi *Adaptive Laboratory Evolution of cyanobacteria for sustainability on Earth and Space*
11:48 – 12:06	IL030	**Soumya Sasmal**, Visva-Bharati, Santiniketan *Engineering Algal Bio-actives into Smart Functional Food Ingredients*
12:06 – 12:24	IL031	**Sourish Bhattacharya**, CSIR-CSMCRI *Bioprospecting of Marine Resources for Biofuels, Biopolymers and Nutraceutical Production*
12:24 – 12:40	Q&A Session	
12:40 – 13:20	**AAR 2026 Award Lectures** **Venue: Auditorium** Chair: Krishna Mohan Poluri	
12:40 – 12:50	Best PhD Thesis Award Winner Talk	
12:50 – 13:00	Best Master's Thesis Award Winner Talk	
13:00 – 13:20	**Ms. Swati Sharma**, Associate Editor - Books, Life Sciences, Springer Nature *Advancing Research Through Scholarly Publishing: From Manuscript to Global Reach.*	
13:20 – 14:30	**Lunch Break & Networking** **Venue: Guest House, CSIR-NEERI**	
14:30 – 15:30	**Short Oral Presentations III (Parallel Session): *Algal Bioenergy, Biofuels and Bioconversion*** **Venue: Auditorium** Chairs: Pravin K. Naoghare & Prangya Ranjan Rout	
14:30 – 14:40	SOP 012	**Ajay Kumar Kataria,** Netaji Subhas University of Technology, New Delhi

		Physiochemical Evaluation of Algal Oil for its Potential Use as Lubricating Base Oil
14:40 – 14:50	SOP 013	**M. V. Rohit,** Sardar Patel Renewable Energy Research Institute, Gujarat *Biomanufacturing Lipids from Photosynthetic Cell Factories for Sustainable Next-Generation Biolubricants*
14:50 – 15:00	SOP 014	**R. Sathish,** CSIR-IMMT, Bhubaneshwar *Microalgae as a Carbon-to-Value Platform: Biomass, Bio products and Hydrothermal Conversion*
15:00 – 15:10	SOP 015	**Deepak Sharma,** SSS-NIBE,Punjab *Biochemical Interaction-Based Kinetic Modelling of Algal Biomass Hydrothermal Liquefaction for Biocrude Production*
15:10 – 15:20	SOP 016	**Kaviya Ravi,** IIT Madras *Production of Levulinic acid from Eucheuma denticulatum via sulphuric acid catalyzed hydrolysis: Effect of process parameters on hydrolysis efficiency*
15:20 – 15:30	SOP 017	**Tribhuwan Kumar,** MANITAllahabad *Comparative Analysis of Different Transesterification Methods Leading to Biodiesel Production from Microalgae Cultivated on Sewage Wastewater*
14:30 – 15:30	**Short Oral Presentations IV (Parallel Session): *Algal Biorefineries and Circular Bioeconomy*** **Venue: Committee Room-II** Chairs: Venkata Subhash & Sanjeev Mishra	
14:30 – 14:40	SOP 018	**Neha Goel,** IIT Roorkee *Selective Recovery and Fractionation of Polychromatic Proteins from Spirulina platensis through an Integrated Circular Biorefinery Approach*
14:40 – 14:50	SOP 019	**Gourav Kumar,** ICGEB, New Delhi *Uncoupling Biomass Loss from Neutral Lipid Hyperaccumulation in Chlorella sorokiniana: Interorganellar Metabolic Crosstalk Between Endoplasmic Reticulum Kennedy and Plastidial TGD Pathways*
14:50 – 15:00	SOP 020	**Dig Vijay Singh,** IITRoorkee *Deep Eutectic Solvent-mediated β-Carotene recovery from Dunaliella salina for an integrated algal biorefinery approach*
15:00 – 15:10	SOP 021	**Sampa Bhowmik,** NIT Agartala *Utilization of protein-based bio- waste derived media for enhancement of microalgal biomass and pigment production*
15:10 – 15:20	SOP 022	**Avinash Singh,** IITBHU *Nano-Enabled Circular biorefinery: Upcycling Algal Biomass into Nitrogen-Doped Carbon Dots for Accelerated Photosynthesis and Lipid Hyper-Accumulation in Monoraphidium neglectum*
15:20 – 15:30	SOP 023	**Maddipatla Naga Sai Karthik,** BITS Pilani, Hyderabad *Metabolic Reprogramming of Chlorella sorokiniana Cultivated in Optimized Food Waste Anaerobic Digestate: Comparative Metabolomics*
15:30 – 16:20	**Short Oral Presentations V (Parallel Session): *Algal Food, Nutrition, Health and High-Value Bioproducts*** **Venue: Committee Room-II** Chairs: Shireesh Srivastava & Soumya Sasmal	
15:30 – 15:40	SOP 024	**B R Sreelekshmy,** RCSS, Kochi *Seaweed-Derived Sulfated Polysaccharides: Unlocking Their Potential for Next-Generation Cosmetics*
15:40 – 15:50	SOP 025	**Poonam Kumari,** CSIR-IICT, Hyderabad *Proteomic Characterization and Functional Bioinformatic Mining of Food-Grade Chlorella Sorokiniana for Potential Bioactive Peptides*
15:50 – 16:00	SOP 026	**Siya Battla,** Gujarat Biotechnology University *Sequential Extraction-Guided Metabolomic Profiling of Marine Algae for Discovery of Anticancer Bioactives*
16:00 – 16:10	SOP 027	**Swati Pawar,** CSIR-NIIST, Thiruvananthapuram *Selenium-Enriched Exopolysaccharides from Nannochloropsis oceanica: Structural Characterization and Functional Evaluation*
16:10 – 16:20	SOP 028	**Akshaya Suresh,** ICAR-CIFE, Mumbai *Cyanobacteria-Derived Vegan Peptone from Spirulina (Arthrospira) platensis as an Animal-Free Component of Microbiological Growth Media: Microbiological Validation and Biochemical Characterization*
15:30 – 16:20	**Short Oral Presentations VI (Parallel Session): *Algal Genomics, Molecular Biology and Microbial Interactions*** **Venue: Committee Room-II** Chairs: Kalyan Gayen & Sangram K. Lenka	
15:30 – 15:40	SOP 029	**Vitasta Jad,** CSIR-NIO, Goa *Taxonomic and functional profiling of microbiomes associated with seaweed habitats across the west and southeast coast of India using Nanopore long-read metagenomics*
15:40 – 15:50	SOP 030	**Priti Kumari,** IIT Guwahati *Multimodal Morphological and Biochemical Characterization of Green Microalgae for Optimizing Whole-Cell Biosensors*
15:50 – 16:00	SOP 031	**Bijaya Nag,** ICGEB, New Delhi *Decoding Cell's Survival: Omics-based Integration of TOR Signalling and Autophagy in Marine Oleaginous Alga Parachlorella kessleri*

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16:00 – 16:10	SOP 032	**Vaidehi A Nair,** CSIR-NIO, Goa *Genomic and transcriptomic characterization of macroalgae to understand their biosynthetic pathways for the production of its biomolecules.*
16:10 – 16:20	SOP 033	**Anjali Gupta,** Banaras Hindu University, Varanasi *Functional characterization of bolA from a cyanobacterium Synechococcus elongatus PCC 7942: Enhanced stress tolerance in Escherichia coli*
16:20 – 17:10	**Short Oral Presentations VII (Parallel Session): *Smart Algae, Bioprocess Engineering and Digital Technologies*** **Venue: Auditorium** Chairs: Nitin Trivedi & Azam Sheikh	
16:20 – 16:30	SOP 034	**Supratim Ghosh,** BITS Pilani, Hyderabad *Development of an IoT-Enabled Smart Photobioreactor Integrated with Artificial Intelligence and Digital Twin Technology for Real-Time Monitoring and Predictive Cultivation of Microalgae*
16:30 – 16:40	SOP 035	**Rajalakshmi Elumalai,** SRM University, AP *Explainable AI-Based Hyperspectral Imaging for the Non-Destructive Identification of Diverse Microalgal Species*
16:40 – 16:50	SOP 036	**Mohneesh Kalwani,** Dr. Ghanshyam Singh Mahavidyalaya, UP *Optimizing Chlorella sp. Cultivation Supplemented with TargetedNutrient Doses for Enhanced Biomass Production*
16:50 – 17:00	SOP 037	**R. Dinesh Kumar,** IIT Roorkee *Linking Strain-Specific Physiology with Reactor-Dependent Biomass Productivity in Limnospira (Spirulina)*
17:00 – 17:10	SOP 038	**Bhavitha Ala,** KL Education Foundation, AP *Phycosynthesis of Silver Nanoparticles: Antibacterial Activity and Growth-Modulating Effects on Freshwater Algae*
16:20 – 17:00	**Short Oral Presentations VII (Parallel Session): *Algal Lipids, Aquaculture Feed and Sustainable Biomaterials*** **Venue: Auditorium** Chairs: Amit K. Bajhaiya & Rajagopal Subramanyam	
16:20 – 16:30	SOP 039	**Boda Ravi Kiran,** CSIR–IICT, Hyderabad *Metabolic Engineering of Microalgae for Sustainable Omega-3 Fatty Acid Production through Integrated Wastewater Biorefineries*
16:30 – 16:40	SOP 040	**Shovon Mandal,** TERI, New Delhi, *Improving Shelf-Life of Nannochloropsis oceanica Feed Formulations for Sustainable Omega-3 Enriched Egg Production*
16:40 – 16:50	SOP 041	**Nikhil Laxman Kadalag,** ICT Mumbai *Tailoring Fish Oil–Like EPA:DHA profiles through controlled co-cultivation of Phaeodactylum tricornutum and Aurantiochytrium limacinum*
16:50 – 17:00	SOP 042	**Abhishek Sahu,** IIT Delhi *Development of Algal-Derived PHA Nanofibers for Sustainable Food Packaging Applications*
17:15 – 18:00	**Valedictory & Best Oral/Poster Awards Presentations; Declaration of venue for AAR 2027** **Venue: Auditorium**	
18:00 onwards	**High Tea** **Venue: Guest House, CSIR-NEERI**	

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POSTER SESSION

Poster No	Name & Affiliations	Title
PP 001	Mahesh Vemula ICGEB, New Delhi	Upcycling Volatile Fatty Acids as Sustainable Carbon Sinks for Producing Omega-3-Enriched Edible Oils in Aurantiochytrium sp.
PP 002	Soumajit Ghosh GITAM University, Visakhapatnam, Andhra Pradesh	R-Phycoerythrin from Gracilaria edulis: Seasonal Variation, Stability, Degradation Kinetics, and Food Matrix Compatibility
PP 003	Sneha Sengupta GITAM University, Visakhapatnam, Andhra Pradesh	Agro-Industrial Waste Valorization for Exopolysaccharide Production by Aurantiochytrium limacinum GG03 and its Application in Hydrocarbon Bioremediation
PP 004	Devargya Ganguly GITAM University, Visakhapatnam, Andhra Pradesh	A Marine Protist for Wastewater Remediation: The Versatility of Aurantiochytrium limacinum GG01
PP 005	Nitesh Prasad Banaras Hindu University, Varanasi	Agrobacterium mediated In planta transformation of Dunaliella salina phytoene synthase (DsPSY) gene confers salinity tolerance in Solanum lycopersicum
PP 006	R.P.G. Rachitha Jayatissa Banaras Hindu University, Varanasi	Selenium-fed microalga, Dunaliella salina, isolated from hypersaline Sambhar Lake: A source of pharmaceutical and nutraceutical potential
PP 007	Medha Reddy CSIR-IICT, Hyderabad	Waste-to-Value Biorefinery using Nannochloropsis sp. for Industrial Wastewater Remediation and Omega-3 Fatty Acid Production
PP 008	M. Lipika CSIR-IICT, Hyderabad	Integrated Experimental and Data-Driven Approaches for Microalgal Bioprocess Optimization, Carbon Sequestration, and Biomass Valorisation
PP 009	Anuradha Tripathi Siddharth University, Kapilvastu, Siddharth Nagar,	Phytoplankton Biodiversity and Multi-Parameter Assessment of Ecological Health in the Kuwano River, Uttar Pradesh, India
PP 010	Prachi Meshram IIT Tirupati, A.P	Comparative Investigation of Biohydrogen Production from Microalgal Biomass via Biological and Thermochemical Routes
PP 011	Seju Thomas Christ Deemed to be University, Bengaluru	Diatom Community Dynamics as Bioindicators of Hydrochemical and Heavy Metal Stress in Freshwater Ecosystems of Kottayam, Kerala
PP 012	Shreya Mishra Siddharth University, Kapilvastu, Siddharth Nagar	Enhancing Stress Tolerance and Lipid Production in Chlorella variabilis Through Adaptive Laboratory Evolution Using Dairy Wastewater
PP 013	Anushka Kudale Gujarat Biotechnology University	Sequential Bioprocessing of Marine Algae into Industrially Important Products
PP 014	Bhavika Mehta CSIR-CSMCRI, Gujarat	Process intensification of marine microalgal cultivation through optimized CO2 fixation efficiency, biomass productivity and bio-chemicals
PP 015	Tanvi Bhatt Gujarat Biotechnology University	Exploring Gujarat's Marine Microalgae for Sustainable Smart Protein
PP 016	Mariam Thomas Mahima CSIR-NIO, Goa	Metagenomic understanding of the functional profiles in bacterial communities associated with healthy and bleached seaweeds during off-shore cultivation for their role in carbon utilisation and storage pathways
PP 017	Neha Naijo Areekal IIT-Tirupathi	Omega-3 Fatty Acids from Microalgae: Extraction, Optimization and Characterization
PP 018	Sanskruti Panda CSIR-IMMT, Bhubaneshwar	Exploring the Metal-Binding Potential of Cyanobacterial EPS for sustainable Rare Earth Elements recovery
PP 019	Meenal Khare Centre for Scientific and Applied Research, IPS Academy, Indore, India	Harnessing Engineered Microalgae as a Sustainable Platform for Vitamin B6 Production
PP 020	Himanshi Gujarat Biotechnology University	Exploring Marine Microalgae For Smart Protein Applications
PP 021	Aaditay Malviya	Exploring UV-Induced Mutagenesis for Strain Diversification

	Central University of Tamil Nadu	and Biotechnological Enhancement of Chlamydomonas reinhardtii
PP 022	Priyanka Gehlot IIT-Roorkee	Tracking to Tackling: Native Microalgae for Emerging Microplastic and Antibiotic-Resistant Bacterial Challenges in Wastewater
PP 023	Rajat Pant IIT-Roorkee	Microalgae-Mediated Removal of Pathogens and Nutrient from Sewage Wastewater
PP 024	Prashant Kumar Srivastava IIT-Roorkee	Industrial Waste-Derived Nanoparticles for Wastewater Treatment and Lipid-Based Petrochemicals Production From Microalgal Consortia
PP 025	Somesh Prajapati IIT-Roorkee	Microalgal Photogranules as a Sustainable Framework for Wastewater Treatment, Carbon Capture, and Resource Recovery
PP 026	Dhanusri A SASTRA, Thanjavur	Microalgal Biomass with EPS Matrices for Modern Feed Formulations
PP 027	Loghashri M SASTRA, Thanjavur	Decoding Microalgal Growth: Integrating Growth and Biochemical Data
PP 028	S Dhanushya IIT-Roorkee	Algae-Integrated Sodium Alginate-Fly Ash Beads for Wastewater Treatment
PP 029	P. Manoj Varma CSIR-IICT, Hyderabad	Bio-Electrochemical Optimization of Microalgae Growth and Value-Added Bio- Product Synthesis Through Controlled Low-Voltage Stimulation
PP030	Padma Punnam, Kallem Manish Koneru Lakshmaiah Education Foundation, AP	Exploring Spirulina as a Living Cell Factory for Extracellular Polysaccharide Production
PP031	Kriti Singh Azim Premji University, Bhopal	Algae Surviving Under Stress: Do Linker Proteins Make any Difference?
PP032	Hanny Azim Premji University, Bhopal	Growth response of Chlamydomonas reinhardtii strains with edited CCM related genes under different CO2 concentrations
PP033	Swati kumari Sardar Swaran Singh, National Institute of Renewable Energy, Punjab	Turning green water into gold: a raceway grown consortium driving biogas, bio crude and biofertilizer in a circular bioeconomy
PP034	Shivakshi Netaji Subhas University of Technology (NSUT), New Delhi	Anaerobic co-digestion of algal biomass with fly ash for biogas production
PP035	Kaavya S Hassan Institute of Chemical Technology, Mumbai	A Novel Biorefinery Approach For Sequential Recovery Of Value-Added Compounds From Diatoms
PP036	Pankaj Chelak Dr B R Ambedkar National Institute of Technology, Jalandhar,	Turning Liquid Anaerobic Digestate into a Microalgal Growth Medium through Biochar Treatment
PP037	Anand Sagar IIT Guwahati	Integrated Genetic and Process Engineering Strategy for Enhanced CO_2 Fixation and Biomass Productivity in *Scenedesmus obliquus*
PP038	Ronald Jaffrey B Karunya Institute of Technology and Sciences	Fabrication of Magnetic Alginate-Based Biohybrid Janus Particles Incorporating Microalgae for Wastewater Remediation