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

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

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