

Marine Bioresources for a Better Tomorrow: Oceans of Opportunity

Program for 24<sup>th</sup> November, 2025

Venue: BRIC-ILS Auditorium

Registration		08:30 - 09:30
Inauguration Ceremony	Lightning of Lamp and Inaugural Address <ul style="list-style-type: none"><li>Dr. Debasis Dash, Director, BRIC-ILS</li><li>Prof. Rajesh S Gokhale, Secretary, DBT, Gol</li><li>Prof. M Ravichandran, Secretary, MoES, Gol</li><li>Dr. M.V. Ramana Murthy, Mission Director, Deep Ocean Mission, MoES</li></ul>	09:30 – 10:00
Keynote Address 1: Prof. Volker Sieber, Technical University of Munich, Germany Unlocking the Blue Bioeconomy: Seaweed Biorefineries and Marine Microbial Bioprospecting for Sustainable Resource Utilization		10:00 - 10:45
TEA BREAK		10:45 - 11:00
Thematic Session 1: Metagenomics & Marine Microbial Diversity Session Chairs: Prof. Sashikant Dash and Prof. Vishaka Raina		
Talk 1	Prof. Douglas Bartlett, Scripps Institute of Oceanography, CA, USA Omics Insights into Deep-Sea Microbial Adaptation to the Piezosphere	11:00 - 11:30
Talk 2	Dr. Govindhaswamy Umapathy, CSIR-CCMB, Hyderabad Genomic characterization of the deep ocean viromes	11:30 – 11:55
Talk 3	Dr. Vijaya Raghavan Rangamaran, NIOT, Chennai Multi-Omics Insights into Deep-Sea Microbial Diversity and Functional Potential	11:55 - 12:20
Talk 4	Dr. Gurdeep Rastogi, CDA, Bhubaneswar. Beyond inventories: Spatio-temporal variability and microbial community structuring mechanisms in Chilika Lagoon	12:20 - 12:45
Introduction to Odisha Marine Biotechnology Research & Innovation Corridor (OMBRIC): A new initiative by the Government of Odisha, India		12:45 - 13:00
LUNCH BREAK & NETWORKING		13:00 - 14:00
Research initiatives undertaken by BRIC-ILS & Collaborators in the project “Exploring the Marine Ecosystems for Novel Bioresources with Human Health and Industrial Significance”		14:00 -15:30
Panel Discussion 1: Marine Biotechnology in India: Way forward to meet Blue Economy Goals Panelilst: Dr. M.V. Ramana Murthy, Dr. Sashikant Dash, Prof. Mrutyunjay Suar, Moderator: Prof. Dinabandhu Sahoo		15:30 - 16:15
TEA BREAK		16:15 - 16:30
Thematic Session 2: Bioprospecting & Bioremediation Session Chairs: Dr. Dharani Gopal and Prof. Mrutyunjay Suar		
Talk 1	Dr. Soumya Haldar, CSIR-CSMCRI, Bhavnagar Poly Aromatic Hydrocarbons (PAHs), An important marine pollutants: sources, extraction methods and its possible bioremediation	16:30 - 16:55
Talk 2	Dr. Syed Dastager, CSIR-NCL, Pune Chemistry of unknown microorganism- The Treasure Troves for Biotechnological innovations	16:55 - 17:20
Talk 3	Dr. Upendra Kumar, ICAR NRRI, Cuttack Prospects of PGPR: Special emphasis to saline-tolerant bacteria from Chilika and success story of NRRI-EndoN	17:20 - 17:45
Talk 4	Dr. Anas Abdulaziz, CSIR-NIO, Kochi Translational Ecology of Marine ecosystems for bioactive innovation	17:45 - 18:10
Talk 5	Dr. Prasoon Kumar Gupta, CSIR-IIIM Jammu High-throughput Discovery of Marine Natural Products	18:10 - 18:35
POSTER SESSION		18:35 - 19:30
CULTURAL PROGRAM & GALA DINNER		19:30 - 21:30

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Keynote Address 2: Prof. John Coates, University of California, Berkeley, CA, USA		09:30 - 10:15
Thematic Session 3: Marine Products & Industrial Applications Session Chair: Dr. MV. Ramana Murthy, and Dr. RA. Narayanan		
Talk 1	<b>Prof. Michael Roleda</b> , University of Philippines Biobanking diverse genotypes, phenotyping, strain selection and reinvigoration to sustain tropical eucheumatoid seaweed industry	10:15 - 10:45
TEA BREAK		10:45 - 11:00
Talk 2	<b>Prof. Sreekumar</b> , Sea6Energy Pvt. Ltd Downstream processing and industrial applications of tropical. seaweed biomass	11:00 - 11:25
Talk 3	<b>Dr. N. V. Vinithkumar</b> , Marine Biotechnology Division, NIOT Sustainable new technological initiatives in seaweed culture for livelihood development	11:25 - 11:50
Talk 4	<b>Dr. Sekar Megarajan</b> , ICAR-CMFRI, Visakhapatnam Role of mariculture in marine bioprospecting for human and industry application	11:50 - 12:15
<b>Panel Discussion 2:</b> Bridging Science with Industry: Way Forward Panel Members: Prof. Sreekumar, Dr. Dharani Gopal, Prof. Michael Roleda, Dr. Debasis Dash, Moderator: Dr. Shantibushan Senapati and Mr. Siddarth Mohanty		12:15 - 13:00
LUNCH BREAK & NETWORKING		13:00 - 14:30
Short Talk 1	<b>Abhisha Roy</b> , CSIR-IHBT From Ocean to Field: Seaweed-Based Bioprotectants for Sustainable Agriculture	14:30 - 14:45
Short Talk 2	<b>Dr. Sanak Ray</b> , CSIR-CSMCRI An innovative halophyte-based constructed wetland- microbial fuel cell for the treatment of wastewater inflow to coastal water	14:45 - 15:00
Short Talk 3	<b>Tapas Ranjan Samala</b> , VIT Vellore Quercetin and Citreorosein from Halodule uninervis Leaf Show the Best Binding against Breast Cancer Targets AKT1, EGFR, and ESR1	15:00 - 15:15
Short Talk 4	<b>Dr. V. Sachithanandam</b> , NIOT Bioprospecting: alginate potential of native seaweeds from the Gulf of Mannar, Pulicat & Gulf of Kutch, India	15:15 - 15:30
Short Talk 5	<b>Dr. Shuvobrata Majumder</b> , BRIC-ILS Marine Fungal Bioprospecting: From Isolation to Lipid-Rich Biomass for Sustainable Feed Production	15:00 - 15:15
GROUP PHOTO & HIGH TEA		15:15 - 16:00
Thematic Session 4: Multi-OMICs & Systems Biology Session Chairs: Dr. Anshuman Dixit and Dr. Sanjeeb Sahoo		
Talk 1	<b>Dr. Samir Damare</b> , CSIR-NIO, Goa Unravelling the deep-sea microbiome using "Omics"	16:00 - 16:30
Talk 2	<b>Dr. Mak Saito</b> , Wood Holes Oceanographic Inst. USA Applications of Marine Metaproteomics to Studies of Ocean Health	16:30 – 17:00
CLOSING CEREMONY & VOTES OF THANKS		17:00 - 17:30