



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

National Conference on
COASTAL ECOSYSTEMS AND
EMERGING CHALLENGES (CEEC)
12-13 February, 2026

Sponsored by



सत्यमेव जयते

**Ministry of Earth Sciences
Govt. of India**

Organised By:

Centre for Earth System and Sustainability
Centurion University of Technology and Management, Odisha

In association with:

Dept. of Civil Engineering,
Centurion University of Technology and Management,
Bhubaneswar Campus, Odisha

&

School of Fisheries

Centurion University of Technology and Management,
Paralakhemundi Campus, Odisha



ABOUT UNIVERSITY

Centurion University of Technology and Management (CUTM) is duly recognized as a pioneer in 'Skill Integrated Higher Education' and has been accredited with NAAC A+ grade. Its unique model lays specific emphasis on creating sustainable livelihoods on a national scale in challenging geographies through education that results in employability and sparks entrepreneurship. This model has been recognized by multiple Governments (Central and State), International Organizations such as UNESCO and the World Bank as well as Policy Think-tanks such as the Niti Ayog. Centurion University's School of Vocational Education and Training has been recognized as a Centre of Excellence by the Ministry of Skill Development and Entrepreneurship, Government of India.

At present, the university has different campuses (located at Paralakhemundi (Gajapati District), Bhubaneswar (Khurda District), Rayagada, Balangir, Chatrapur (Ganjam District), and Balasore and several social entrepreneurial outreach that, along with collaborating institutions and networks, form its ecosystem. Its motto is "Shaping lives and empowering communities" from its inception. The university is known for its skill development courses and academic excellence in the field of education with 24 research centers on niche areas and has 43 domain courses from its 16 schools, and 110 skill courses, for providing hands-on training to the students and making them market-ready.

ABOUT THE CONFERENCE

The Coastal Ecosystems and Emerging Challenges (CEEC) conference serves as a dynamic platform for scientists, academicians, environmentalists, policymakers, industry professionals, and community stakeholders to explore the evolving landscape of coastal environments. Coastal challenges in India particularly in biodiversity and the blue economy are increasingly significant due to growing human pressures, climate change, and unsustainable exploitation of marine resources. Coastal ecosystems comprising mangroves, estuaries, coral reefs, lagoons, and wetlands are among the most productive yet vulnerable ecosystems on Earth. They face mounting threats from climate change, sea-level rise, pollution, habitat degradation, overexploitation, and increasing human interventions.

This conference aims to address these pressing challenges by fostering dialogue, encouraging interdisciplinary research, and showcasing innovative approaches in monitoring, modeling, conservation, and sustainable management of coastal zones. Sessions will span a wide range of topics including oceanography, marine biodiversity, coastal geomorphology, remote sensing and GIS applications, disaster risk reduction, and blue economy opportunities.

The event provides a unique opportunity for participants to exchange ideas, present research findings, form collaborative networks, and contribute to shaping informed policies for the long-term sustainability of coastal regions.

ABOUT THE CENTER OF EXCELLENCE (COE)

The Center for Earth System and Sustainability (CESS) is dedicated to addressing environmental challenges through cutting-edge research, academic excellence, and technological innovation under the umbrella of Centurion University of Technology and Management, Odisha. The vision of the CoE is to be a leading center of excellence in Earth system and sustainability, leveraging advanced geospatial technology and oceanographic research to drive innovative solutions for environmental challenges and benefits to the community.

Currently, the center engage with the following research activities to support sustainable development and environmental conservation; (a) Bio-geochemical study of sea water, (b) Monitoring the impact of climate change on marine biodiversity, (c) Using satellite remote sensing to monitor water quality and ocean productivity, (d) Hyperspectral study of water, soil, and vegetation (e) Developing algorithms for chlorophyll estimation and harmful algal bloom detection, (f) Toxic element analysis of drinking water, waste water, and surface water, (g) Air quality index monitoring and mapping, (h) DGPS and UAV usage, data processing, and mapping.

THEMES OF THE CONFERENCE

- I. Coastal Disaster and Risk Management
- II. Coastal and Estuarine Biogeochemistry Implications in a Climate Change Scenario
- III. Blue Economy - Potential and Future
- IV. Marine Pollution and Sustainability
- V. Open Source Data, Machine learning, and AI applications in Ocean and Climate Studies
- VI. Machine learning and AI applications in ocean conservation and sustainability
- VII. Coastal vulnerability and climate change impacts
- VIII. Biogeochemical cycles in estuaries and coastal hydrology
- IX. Application of remote sensing in mangrove, coral reefs, and seagrass studies
- X. Coastal livelihood, Sustainable Agriculture and Resilience

ABSTRACT SUBMISSION

Abstracts are invited for oral/poster presentation. The abstract should be submitted in MS Word format with the following specifications: Times New Roman, font size 12, 1.5 line spacing, as a soft copy. It should include the title, author(s), affiliation(s) of the authors, and keywords (4-6). It should not exceed 250 words and must be relevant to the conference theme. The soft copy of the abstracts must be sent to the Email id: ceec_conference@cutm.ac.in

POSTER DIMENSIONS

Dimensions: 3' × 4'. All the presenters are requested to be present during the poster session to answer questions raised by the delegates viewing the posters. The posters should contain a concise title, author and author affiliation, introduction, methodology, results, discussion, acknowledgment, and references. The scientific committee will decide whether an abstract should be presented as an oral or poster presentation. Their decision is final and it will be communicated to each presenter in advance for her/his presentation.

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TECHNICAL PROGRAM DETAILS

DAY-1 (12th February 2026)

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| 9.00 – 10.00 | Registration |
| 10.00 – 10.45 | Inauguration Ceremony |
| 10.45 – 11.30 | Keynote address by Chief Guest: Dr. Anil Kumar Vijayan, MoES, Govt. of India |
| 11.30 – 11.45 | Tea Break |
| TECHNICAL SESSION - I | |
| Coastal Disaster and Risk Management - Observations , Modelling and Forcasting | |
| Chair:Dr.Ajanta Goswami,IIT, Roorkee Co-Chair: Dr. Debadatta Swain, IIT, BBSR | |
| 11:45 – 12:10 | Invited Talk I: Dr. Debadatta Swain, IIT, BBSR |
| 12:10 – 12:35 | Invited Talk II: Dr. Manoranjan Mishra, FM University, Balasore |
| 12:35 – 13:00 | Invited Talk III: Indian Coast Guard |
| 13:00 – 13:15 | Round Table: Q & A |
| 13:15 – 14:15 | Lunch Break |
| TECHNICAL SESSION - II | |
| Coastal and Estuarine Biogeochemistry Implications in a Climate Change Scenario | |
| Chair: Dr. Aneesh Lotliker, INCOIS, MoES, Hyderabad Co-Chair: Dr. S. N. Padhi, Retd. Professor | |
| 14:15 – 14:40 | Invited Talk I: Dr. Pradipta R. Muduli, Chilika Development Authority, Govt. of Odisha |
| 14:40 – 15:05 | Invited Talk II: Dr. Siva Kiran Kumar, CMLRE, Kochi |
| 15:05 – 15:30 | Invited Talk III: Dr. Biraja Kumar Sahu, CSIR-NIO, Goa |
| 15:30 – 15:45 | Round Table: Q & A |
| 15:45 – 16:00 | Tea Break |
| TECHNICAL SESSION - III | |
| Blue Economy - Potential and Future | |
| Chair: Dr. Anil Mohapatra, ZSI, Gopalpur, Ganjam Co-Chair: Dr. Siva Kiran Kumar, CMLRE | |
| 16:00 – 16:25 | Invited Talk I: Dr. Anil Mohapatra, ZSI, Gopalpur |
| 16:20 – 16:50 | Invited Talk II: Dr. Shesdev Patro, Berhampur University |
| 16:50 – 17:15 | Invited Talk III: Dr. Sanjiba Kumar Baliarsingh, INCOIS, MoES, Hyderabad |
| 17:15 – 17:30 | Round Table: Q & A |
| 17:30 – 20:30 | Snacks & Cultural Program |
| 20:30 – 21:30 | Dinner |

DAY-2 (13th February 2026)

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| TECHNICAL SESSION - IV | |
| Marine Pollution and Sustainability | |
| Chair: Dr. Anish Warrier, MIT, Karnatak Co-Chair: Dillip Ku. Dash, OSPCB | |
| 10:00 – 10:25 | Invited Talk I: Dr. Anish Warrier, MIT, Karnatak |
| 10:25 – 10:50 | Invited Talk II: Dr. Sumitra Nayak, OSPCB, Bhubaneswar |
| 10:50 – 11:15 | Invited Talk III: Dr. Hrushikesh Bisoyi, CIFNET, Visakhapatnam |
| 11:15 – 11:30 | Round Table: Q & A |
| 11:30 – 11:45 | Tea Break |
| TECHNICAL SESSION - V | |
| Open Source Data, Machine learning and AI applications in Ocean and Climate Studies | |
| Chair: Dr Sujata Chakravarty, Dean, SoET, CUTM Co-Chair: Rabindra Ku. Bairk, KIIT | |
| 11:45 – 12:10 | Invited Talk VIII: Dr Sujata Chakravarty, Dean, SoET, CUTM, BBSR |
| 12:10 – 12:35 | Invited Talk II: Dr. Asuthosh Acharya, Aurassure Pvt. Ltd. BBSR |
| 12:35 – 13:00 | Invited Talk III: Mr. Amit Kumar Jena, IIT, Bombay |
| 13:00 – 13:15 | Round Table: Q & A |
| 13:15 – 14:15 | Lunch Break |
| 14:15 – 15:15 | Poster Presentation and Evaluation |
| PANEL DISCUSSION | |
| Moderator: Dr. Sarat Chandra Sahu, Ex-Director, IMD Bhubaneswar | |
| 15:15 – 16:15 | Coastal Ecosystems and Emerging Challenges-Scientific, Academic and Civil Society Perspectives |
| 16:15 – 16:45 | Valedictory Ceremony |
| 16:45:00 | High Tea |

REGISTRATION DETAILS

KNOW ABOUT US:

Find the below link:

<https://ceec.cutm.ac.in/>



Scan the QR Code for
Payment & Registration