WOSC

World Ocean Science Congress 2024

27th to 29th February 2024

at IIT-Madras Research Park, Chennai, Tamil Nadu

Sustainable Utilization of Oceans in Blue Economy

Background

World Ocean Science Congress (WOSC) provides a common platform for stakeholders of ocean mainly in the sectors of tourism, navy & defence, martime industries, transportation, ports & harbour, coastal infrastructure, researchers, academicians, legal & geopolitical experts, archaeologists etc., to interact, exchange ideas and appreciate the conflicting demands of stakeholders. So far two conferences i.e., WOSC-2015 and WOSC-2019 were held at Kochi and Andhra University (Visakhapatnam) respectively. Several of the recommendations from the panel discussions have been adopted by the marine industry, researchers, academicians and policymakers.

Oceans covering more than 70% of the earth is the most important arena where the significant challenges of the twenty-first century and its solutions are expected to unfold. Oceans form an important buffer against climate change by absorbing ~ 93% of the excess heat and 25% of the carbon dioxide emitted due to anthropogenic activities. Considering the need for expanding the economies of the countries, the concept of Blue Economy also has gained momentum in the recent decade.

Against this backdrop, there is an urgent need to understand (i) the effects of multiple stressors on ocean ecosystems and develop solutions to monitor, protect, manage and restore ecosystems and their biodiversity under changing environmental, social and climate conditions and (ii) to channel the Blue Economy to focus on sustainable and responsible use of ocean resources and address the challenges posed by climate change and foster global

Theme

The theme of the WOSC 2024 'Sustainable Utilization of Oceans in Blue Economy' focuses on development of coastal infrastructure, tourism in coastal states & islands, offshore & coastal fisheries, marine biotechnology, warming of oceans, sea level rise, marine pollution, oceanic hazards & mitigation, etc. The sustainable utilization of oceans is not just an environmental imperative but also a significant economic oppurtunity.

Sub-themes

1. Fisheries with a special focus on offshore cage culture technology and policy.
2. Tourism: Development of Tourism in coastal states & islands and policy.
3. Ocean services: what is existing and what is required?
4. Ocean Observation, Processes and Modelling.
5. Harnessing of marine mineral and other resources: Exploration and EIA perspectives.
6. Ocean Summit: Interactions with neighbouring countries (Hybrid).
7. Policy requirements for sustainable utilization of ocean.
8. Ocean technologies for sustainable development.
9. Coastal protection and restoration of coasts.
10. Marine biodiversity and ocean ecosystem.

Associated events

An Early Career Ocean Professional's meet to discuss ocean-based solutions to climate change and a Panel discussion on the topic Contribution to shipping by India will also be conducted. Competitions for college and school students will be conducted to generate awareness, support innovation and develop solutions for sustainable utilisation of the ocean.

Important dates

Announcement and call for Abstracts	:	01 November 2023
Last date for Abstract submission	:	15 December 2023
Notification of acceptance of abstract	:	06 February 2023
Last date for online registration	:	15 February 2024

NIOT: The National Institute of Ocean Technology was established in November 1993 as an autonomous society under the Ministry of Earth Sciences, Government of India. NIOT focuses on the development of reliable indigenous technologies to solve the various engineering problems associated with harvesting of non-living and living resources in the Indian Exclusive Economic Zone.

IIT-Chennai: The Indian Institute of Technology Madras is known both nationally and internationally for excellence in technical education, basic and applied research, innovation, entrepreneurship and industrial consultancy.

VIBHA: Vijnana Bharati or VIBHA is a national movement dedicated to the integrated development of Bharat through the intervention of science, engineering and technology.

Registration

Registration can be done online through WOSC-2024 website. The registration fee covers registration kit, admission to all scientific sessions, key note lectures, inaugural & valedictory function, working lunch and tea/coffee.

Fee for registration :
Delegates : Rs. 2000/- *
Students : Rs. 1000/- *
(*Taxes Extra)

Call for Abstract

Abstracts focusing on the listed themes, limited to 300 words, prepared in MS Word can be submitted through WOSC-2024 website indicating the Title, Name of Authors, affiliations and contact details. The author can select the proposed mode of presentation (oral/poster) and the theme under which the abstract is prepared. It is proposed to present awards to students and young professionals (below 35 years) for best oral and poster presentations.

The IIT-Madras Research Park (IITMRP) is the venue for the conference.

Contact Details
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Organised by

Ministry of Earth Sciences
Government of India