



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

WORLD OCEAN DAY CELEBRATIONS 2023

Centre for Ocean Research

invites abstracts for the

International Virtual Conference on

**Sustainable Blue Planet: Conservation, Augmentation
and Remediation (SBPCAR 2023)**

Dates: 8th & 9th June, 2023

Organized by



Col. Dr. Jeppiaar Research Park

Centre for Ocean Research

Sathyabama Institute of Science and Technology

In association with



Earth Science Technology Cell for Marine Biotechnological Studies

Ministry of Earth Sciences, Govt. of India

and

Department of Biotechnology,

Sathyabama Institute of Science and Technology

About Sathyabama Institute of Science and Technology

Sathyabama Institute of Science and Technology formerly known as Sathyabama Engineering College was established in 1987 by Col. Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of technical education for over two decades resulted in granting Deemed University status on 16th July, 2001. The Institute has been awarded as Category "A" by Ministry of Human Resources Development (MHRD), Government of India and accredited by NAAC with Grade "A++" in 2023. Sathyabama Institute of Science and Technology (Deemed to be University) offer 55 UG programmes level and 34 PG programmes in all disciplines. The Institute holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life in association with Indian Space Research Organization (ISRO). We have written a special page in the history of space research on 22nd June, 2016 with the launch of "SATHYABAMASAT" in association with ISRO. The launch of "SATHYABAMASAT" and accolades received in world platforms is a specimen. National Institutional Ranking Framework, Ministry of Human Resource Development, Government of India has ranked SATHYABAMA at 54th position in Engineering category, 43th position in University category.

About Centre for Ocean Research

Centre for Ocean Research (COR) is one of the premier research and innovation Centre of Sathyabama Institute of Science and Technology to focus on Marine Science Research and Technology. Centre has been established in 2007 as a joint initiative of the National Institute of Ocean Technology (NIOT) Chennai and Sathyabama Institute of Science and Technology to encourage targeted sectors of Ocean Research. To its credit COR was supported by DST-FIST. COR plays a key role in marine research and development through trainings/workshops and transfer of technology. Centre has successfully completed many nationally and internationally funded research projects, while some are still ongoing and few are initiated which are sponsored by various Agencies and research organizations like the Department of Biotechnology (DBT), Department of Science and Technology (DST), Bharatiya Nabikiya Vidyut Nigam Ltd. (DAE-BHAVINI), Ministry of Steel, Board of Research Nuclear Sciences (DAE-BRNS), University Grants Commission (UGC), International Foundation of Science (IFS, Sweden), Atomic Energy Regulatory Board (AERB), Indian Council of Agricultural Research (ICAR) and Ministry of Earth Sciences (MoES). Centre gathers and disseminates the knowledge to the public in the major areas of Mariculture, Marine Technology and Engineering, Marine Ecology, Marine Nanotechnology, Marine Biotechnology, and Marine Education & Extension.

About the Conference

The ocean sustains both humanity and the ecosystem. It gives us food, air, income, and energy. It is a massive carbon and heat storage facility that protects humanity from climate change. Nonetheless, it is under peril. Through chemical pollutants, human actions are causing rising sea levels, increased temperatures, ocean acidification, biodiversity loss, and ecological harm. The health of our seas is inextricably linked to the health of people and the planet. We urgently need to take action to stop the downward spiral. Sustainable Blue Planet: Conservation, Augmentation and Remediation is a concept that focuses on the preservation and protection of the world's oceans and marine life. The main theme of the conference is to ensure that our oceans remain healthy and productive for future generations. To achieve this goal, it is necessary to focus on three main strategies: conservation, augmentation, and remediation. It is also important to educate people about the importance of conservation and to encourage sustainable practices. Augmentation is the practice of increasing the productivity of the ocean. This can be done through the introduction of new species habitats by the introduction of artificial reefs, and the implementation of sustainable aquaculture practices. Augmentation can also be used to restore damaged ecosystems, such as coral reefs. Remediation is the practice of restoring damaged ecosystems. This can be done through the removal of pollutants, the restoration of habitats, and the reintroduction of species. The International Conference on Sustainable Blue Planet: Conservation, Augmentation and Remediation on account of World Ocean day will focus on bringing together ideas and innovations for the preservation and protection of the world's oceans and marine life. The implementation of these strategies will benefit both the environment and the people who depend on the ocean for their livelihoods.

SBPCAR 2023 THEMES

- Marine Biodiversity, Conservation and Ecology
- Algal Biotechnology: Products and Processes
- Marine Natural Products Synthesis and Medicinal Chemistry
- Marine Biotechnology & Nanobiotechnology
- Sea Surface Temperature, Ocean Acidification & Climate change
- Marine Ecotoxicology and Pollution Management
- Marine Microbes Explored and Unexplored
- Microbes and their products from Extreme Marine Environments
- Marine Genomics, Proteomics & Metabolomics
- DNA Technology in Aquaculture and Fisheries
- Marine Pharmaceuticals
- Advances in Aquaculture and Fisheries
- Marine Environmental Remediation and Habitat Restoration

CALL FOR PAPERS

Authors are requested to submit a one-page abstract (300 words only, Font Size 12, Times New Roman) of their original unpublished research work on or before **5th June 2023** via email through worldoceanday.cor@gmail.com

Original Research work, Reviews, Novel Ideas, Hypotheses, Policy based Suggestions, and Science and Engineering technology-based articles are accepted at this Conference. Accepted abstracts will be intimated through email.

WHO CAN PARTICIPATE?

Research Scholars, Scientists, Lecturers, Faculties, Students, and Scholars from Engineering or Science backgrounds working in R&D Institutes/Universities/Colleges/Industries who are working in the themes mentioned above can participate.

REGISTRATION:

Students/ Research Scholars/Scientist/ Academia/ Industrial : **India Participants: Rs. 250/- International Participants: 25 USD** (T Stalin Dhas, A/C No. 833224402, Indian Bank, IDIB000S201, Sathyabama University Branch).

Registration Link: <https://forms.gle/AACUmWuqjKchYHPj9>

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IMPORTANT dates:

Last date for Registration: **05 June 2023**

Last date for Abstract Submission: **05 June 2023**

Participants are requested to provide correct contact details as all communications will be sent via Email and WhatsApp

For further details contact Convener:

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