



World Ocean Science Congress 2019

25 - 27 February 2019

at Andhra University, Visakhapatnam, Andhra Pradesh, India

An illustration of an underwater scene. The background is a gradient of light blue at the top to a darker blue at the bottom. Sunlight rays stream down from the surface, creating a dappled light effect. In the foreground and middle ground, there are silhouettes of various marine life, including several fish of different sizes and shapes, and several branching coral structures. The overall style is clean and modern, using a monochromatic blue palette with some orange and white accents in the logo.

Understanding the Oceans -  
Key to sustenance of Life on  
Planet Earth

[wosc.co.in](http://wosc.co.in)

## BACKGROUND

Life on Earth originated in Oceans and to a large extent is being sustained by the oceans. Much of the biodiversity of Planet Earth reside in the realms of world oceans. Ocean is a sink for atmospheric carbon dioxide and a major source of oxygen we breathe. Oceans control Earth's Hydrological cycles, and influence the weather and climate systems of Earth in several ways, which are not yet fully understood.

Anthropocene has witnessed emergence of humans as the single dominant species on Earth. Majority of human population reside along the coasts and depend on the sea for food (fish), bulk transport of cargo and disposal of domestic, industrial and agricultural wastes. Emerging new activities under the Blue Economy regime such as bio-prospecting for novel drugs, offshore and coastal fish farming, deep-sea mineral extraction etc., have the potential to disrupt the natural resilience of the oceans and cause irreversible changes in several ocean service sectors. These impacts will be amplified several folds in the Climate Change scenario.

Understanding the oceans and the complex ways it moderates the Earth system viz; Atmosphere, Lithosphere, Cryosphere, Hydrosphere and Biosphere is key to the sustenance of life on Earth. There is an urgent need to sensitize this to the people and government of each nation, which is the main objective of World Ocean Science Congress.

## World Ocean Science Congress (WOSC)

WOSC provides a common platform for stake-holders of ocean sector, tourism sector, navy and defense sector, industries, researchers and academicians, legal and geopolitical experts, ocean administrators, maritime historians and archaeologists etc., to interact, exchange ideas and appreciate the conflicting demands of each sector. The first World Ocean Science Congress held at Kochi, Kerala in February 2015 was a mega-event with participation of more than 1500 delegates and high profile panel discussions on the shipping and fishery sectors. Several of the recommendations from these Panel discussions have been adopted by the shipping industry and the fishery sector (e.g., ban on juvenile fishing adopted by several maritime states).

### Themes

1. Oceans in changing climate.
2. Coastal Habitat and Sustainability.
3. Ocean and Society.
4. Harnessing the ocean.
5. Oceans: Physics, Chemistry, Biology & Climatology.
6. Maritime law, geopolitics, security and cooperation.
7. Maritime history, archaeology and coastal tourism.
8. Marine industries: shipping, fishery, aquaculture and instrumentation.

## Who should attend?

We invite contributions in the above themes from geo-scientists & engineers, environmental scientists & engineers, marine scientists & engineers, marine archaeologists, oceanographers, meteorologists, social scientists, policy makers, educationalists, economists, and anybody with an interest in ocean and society at large.

## Travel Support

All participants are expected to meet their **travel related expenditure** from their own sources.

## Accommodation

Accommodation can be arranged in the local hotels on payment basis (actual). The approximate tariff ranges from Rs. 500 to 1500/- for Non-AC and Rs. 2000/- onwards for AC. If accommodation is required, the same is to be indicated in the registration form.

## Call for Abstracts

Participants willing to present papers are required to submit the extended abstracts online by **30th January, 2019** indicating the session theme. Abstracts must be type written in Microsoft word, Title (12pt, Bold CAPITALS), Authors name (10 pt Bold, underline the presenting author), Affiliation

and text (12 pt normal, single space), E-mail address with Times New Roman font.

## Venue

WOSC-2019 will be held from 25th to 27th February 2019 at **Andhra University, Visakhapatnam**. Andhra University is one of the oldest educational institutions in the country, mainly devoted to post-graduate teaching and research. The 91-year-old institution is fortunate to have Sir C.R. Reddy as its founder Vice-Chancellor. Former President of India Dr. Sarvepalli Radhakrishnan was one of its Vice-Chancellors. The University pioneered in introducing many new courses in Science, Arts, Management And Engineering in the country. Andhra University at Visakhapatnam being centrally located on the east coast of India makes it a unique and pleasurable venue for the meet. The industrial city of Visakhapatnam has several very good tourist attractions such as surfing beaches, submarine museum, science parks, Kaila hill, cultural/religious milieu and geographical formation.

### REGISTRATION

Research Fellows	Rs. 2000/-
Faculty & Scientists	Rs. 3500/-
Participants from industry/R&D	Rs. 5000/-
Foreign participants (Students/Scientists/Delegates)	US\$200

### IMPORTANT DATES

- Event Date 25 - 27 February 2019
- Abstract Registration Deadline **30 January 2019**
- Author Registration Deadline 30 January 2019
- First Circular 30 November 2018

## Visakhapatnam - City of destiny



## World Ocean Science Congress 2015



**Dr. V.N. Sanjeevan**  
Former Director,  
C.M.L.R.E. & Chairman,  
Organising Committee,  
WOSC - 2019



**Dr. S. Prasanna Kumar**  
Former Acting Director,  
N.I.O. & Secretary General,  
WOSC - 2019



**Dr. S.S.V.S. Ramakrishna**  
Professor  
Department of Meteorology &  
Oceanography  
Andhra University  
Organising Secretary  
WOSC - 2019

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### Organisers



Vijnana Bharati



Andhra University

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