



“SAGAR-2020”

National Workshop On Achievements of MoES Research Vessels

Understanding, Leveraging and Protecting Oceans

16-17 April, 2020



Organised by:

National Centre for Polar and Ocean Research
Earth System Science Organisation
Ministry of Earth Sciences, Government of India
Headland Sada, Vasco-da-Gama, Goa 403 804, India

ABOUT THE HOST INSTITUTE

ESSO-National Centre for Polar and Ocean Research (NCPOR, erstwhile NCAOR) is an autonomous R&D Institution under the Ministry of Earth Sciences (MoES). NCPOR spearheads the Indian polar and ocean research activities in the Arctic, Antarctic, Southern Ocean, Himalayas, Southern Ocean and Indian Ocean Region. The Indian exploration of Polar Regions started in 1981 with the Antarctic Expedition and expanded its horizon to Southern Ocean research in 2004 and with a bipolar focus on Arctic in 2007 and Himalayan activities in 2013. The Indian scientists have also traversed to the South Pole in 2010 to commemorate the 100 years of the first human presence in the geographic South Pole.

NCPOR is also a nodal agency for major geo-scientific explorations of strategic importance. Since the inception of the institute in 1997, India's flagship research vessel *Sagar Kanya* is being managed by NCPOR. The geo-scientific programmes at NCPOR seek to carry out a systematic study of the Ocean realm around India. NCPOR plays lead role in the geo-scientific surveys of the country's EEZ and its extended continental shelf beyond 200m, deep-sea drilling in the Arabian Sea basin through the IODP, exploration for ocean non-living resources such as the gas hydrates and multi-metal sulphides in mid-ocean ridges.

AIM AND OBJECTIVE

Ministry of Earth Sciences (MoES) owns a fleet of ocean research vessels for over three and half decades since the acquisition of ORV *Sagar Kanya* in 1983. The fleet also includes two more deep sea vessels FORV *Sagar Sampada* and TDV *Sagar Nidhi*. Along with the Buoy Tendering Vessel *Sagar Manjusha* and Coastal Research Vessels *Sagar Purvi* and *Sagar Paschimi* (decommissioned, 2012) and the recently added *Sagar Tara* and *Sagar Anveshika*, the well-equipped fleet has contributed immensely in furthering the scientific knowledge and take the achievements of Indian oceanographic fraternity to the global standards. The results have been documented / published in national and international journals of repute. MoES felt the need of bringing all ocean researchers together for discussing the achievements of these research vessels and the scientific outputs. MoES has decided to provide an opportunity to the Indian oceanographic community for interacting on a common platform. **SAGAR-2020 : National Workshop On Achievements of MoES Research Vessels** aims to bring eminent researchers working in diverse areas of ocean science, atmospheric science, geoscience, deep sea minerals, fishery science, technology development etc. to a common ground where they can not only chronicle/review scientific and technological achievements made thus far but also discuss the various emerging interdisciplinary scientific and technical matters for a better understanding, leveraging and protecting of the oceans better and for exchange of research ideas, findings and experiences on a common platform.

VENUE AND DATE

The conference is being hosted by the National Centre for Polar & Ocean Research, Goa, at NCPOR premises during 16-17 April, 2020.

PROGRAM

The workshop will have plenary lectures, invited keynote lectures, as well as contributed oral/poster presentations under various sessions and themes.

SCIENTIFIC THEMES AND SESSIONS

Researchers are invited to participate and present their findings on various aspects of Ocean Regions. The conference will include invited and contributed oral as well as poster presentations. High quality original and unpublished work (conceptual, constructive, empirical, experimental or theoretical) shall be encouraged.

Sl. No.	Themes and Sessions
1.	Atmospheric Sciences Air-Sea Interaction Monsoon studies Marine Aerosols Upper atmosphere Others
2.	Ocean Sciences Physics Chemistry Biology Fisheries Geology & Geophysics Others
3.	Ocean Technology ROV, AUV Deep Sea Crawler In-situ soil tester Other autonomous platforms
4.	Ocean Observing System Moorings Argo Drifters XBT / XCTD SOOP / VOS
5.	Survey and exploration PMN Hydrothermal Sea bed mapping CLCS
6.	Capacity building and training Best practices, Optimum utilization Ship management Trends, Future requirements etc.

Advisory Committee

1. **M. Rajeevan**, Secretary, Ministry of Earth Sciences (MoES) : Chairman
2. **M. Ravindran**, Former Director, NIOT.
3. **M. Ravichandran**, Director, NCPOR
4. **M. Sudhakar**, Director, CMLRE
5. **M. A. Atmanand**, Director, NIOT
6. **S.S.C. Shenoi**, Director, INCOIS
7. **M.P. Wakdikar**, Programme Head, MoES
8. **Sunil K. Singh**, Director, NIO
9. **Mirza Javed Beg**, NCPOR
10. **J. Purushotham**, SCI

Scientific Program Committee

1. **P.S. Rao**, Former Ch. Scientist, NIO : Chairman
2. **N. Anil Kumar**, NCPOR : Co-Chairman
3. **G.S Bhat**, IISc
4. **G.A Ramadass**, NIOT
5. **D. Rajasekhar**, NIOT
6. **G.V.M Gupta**, CMLRE
7. **Nittala S. Sarma**, Andhra University
8. **John Kurian**, NCPOR
9. **B. Ingole**, NCPOR
10. **Rahul Mohan**, NCPOR
11. **Sanjeev Kumar**, PRL
12. **Suresh Babu**, SPL
13. **N. Vedachalam**, NIOT
14. **P.C. Srivastava**, Former DDG, GSI
15. **U.S Ramesh**, IMU
16. **A Shivaji**, CMLRE
17. **P. K. Srivastava**, MoES

Organizing Committee

1. **Rahul Mohan**, NCPOR : Chairman
2. **M.M. Subramaniam**, NCPOR : Convenor
3. **Avinash Kumar**, NCPOR
4. **Lalit Ahirwar**, NCPOR
5. **S. Anoop**, NCPOR

GUIDELINES FOR ABSTRACT SUBMISSION

The abstract text to be limited to a maximum 350 words, typed in Arial font size 12 in MS-Word, mentioning the Title, Name(s) of the Author(s), affiliation with the Organisation should be submitted through the conference website (<http://www.sagar2020.ncpor.gov.in>). Abstracts must focus on scientific/operational results or their applications. One author can submit only one abstract as a first author. However, additional contribution can be submitted by sharing their experiences and ideas in the session 'Capacity Building and Training'. While

submitting abstract, author must mention the sub-theme under which he/she is willing to present their work and the name of corresponding author during online submission. Author should also indicate whether Oral or Poster presentation while submitting an abstract; however, the final decision on Oral or Poster will be announced while accepting the abstract.

Final decisions regarding placement of individual abstracts and sessions rest with the Session Chairs and Scientific Program Committee. The corresponding author is responsible for ensuring that all co-authors have agreed to be listed on the abstract.

REGISTRATION

Registration will be done online.

Registration Fees

For Research Students/Research Associates	Rs. 1000/-
For Scientist/ Others	Rs. 2000/-
Onsite Registration	Rs. 2500/-

Only Demand Drafts/cash will be accepted for Onsite Registration.

Registration fee includes conference materials and working lunch.

For online transfer of amount through NEFT the following details be noted:

- Name of Account holder:** NCPOR **Account No:** 10153336180
IFSC- SBIN0004116
- REGISTRATION NUMBER is important and to be quoted while transferring the amount, however, no cash deposit in the said account is acceptable.*

Demand Draft drawn in favour of NCPOR and payable at Goa for the said amount of Registration fee.

DEADLINES AND IMPORTANT DATES

Online registration starts	06/12/2019
Last date for abstract submission	15/02/2020
Notification of Acceptance of Abstract	01/03/2020
Online registration Closes	15/03/2020

ACCOMMODATION AND TRAVEL

List of hotels at Vasco (short distance from conference venue) on concessional prices will be made available for booking directly on payment basis.

FINANCIAL SUPPORT

Limited financial support will be available for research students, on request.
