



# SCOR-InterRidge Workshop 14 – 16 November 2018



## Workshop Schedule



### 14<sup>th</sup> November 2018

16:00 to 19:00 Welcome and registration

19:00 to 21:30 Ice Breaker and Dinner

### 15<sup>th</sup> November 2018

09:15 to 09:55 **Inauguration**

- Inviting the Dignitaries to the Dais
- Invocation
- Welcome address by Prof. Sunil Kumar Singh, Director, CSIR-NIO
- An overview on the workshop by Dr. M. Ravichandran, Director, ESSO-NCPOR
- Lighting of Lamp
- Role of SCOR in the Indian Ocean Research by Prof. Colin Devey, Member, SCOR
- Role of InterRidge in mid-oceanic ridge research by Dr. Jerome Dymet, InterRidge Chair
- Address by Dr. Ehrlich Desa, Former Director CSIR-NIO; Director, International Oceanographic Commission (IOC), UNESCO; and Distinguished Scientist at CSIR
- Presentation of Mementos to the Dignitaries by Director, CSIR-NIO
- Vote of Thanks by Dr. V. Yatheesh, Convener, SCOR-InterRidge Workshop

10:00 to 10:15 Tea Break

10:15 to 10:50 **Keynote addresses**

10:50 to 12:30 **Session 1: Indian Ocean mid-ocean ridges: hydrothermalism**

- Hydrothermal circulation research in the Indian Ocean: *Chunhui Tao*
- Current Status of the German Polymetallic Sulphide Exploration and Environmental Investigations in the Western Indian Ocean: *G. Jacques*
- Discovery of active and inactive hydrothermal vents along the northern Central Indian Ridge: *Jonguk Kim*
- Studies of Geochemical Characteristics of Hydrothermal Particles: A new challenge in the Central Indian Ridge: *Hyung Jeek Kim*
- Gold and Tin mineralization at Ocean Core Complex (OCC4-1) of the middle portion of Central Indian Ridge: *Sang-Joon Pak*

- Manganese anomalies of newly discovered hydrothermal plume over 24°50' S, Central Indian Ridge, Indian Ocean: *Surya Prakash Lankalapalli*

12:30 to 13:15 **Session 2: Indian Ocean mid-ocean ridges: fragile ecosystem**

- Microbial functional gene diversity along the Central and South West Indian Ridges: A GeoChip-based approach: *Sheryl Oliveira Fernandes*
- Bacterial community structure and function in deep sea sediment of ultra-slow spreading Southwest Indian Ridge: *Rupesh Kumar Sinha*
- Exploration of benthic megafaunal assemblages on mid oceanic ridge system of Carlsberg Ridge, Indian Ocean – a quantitative approach: *Sabyasachi Sautya*

13:15 to 14:15 Buffet and Posters

14:15 to 15:30 **Session 3: Indian Ocean mid-ocean ridges: tectonics, magmatism and complex physical and geochemical aspects**

- Occurrence of high-Al D-MORB along the Easternmost Southwest Indian Ridge: *Christine Meyzen*
- The GEISEIR Cruise: Sr, Nd and major and trace elements high resolution of mantle signal beneath the Southeast Indian Ridge: *Ch. Hémond*
- High Resolution Marine Geophysical Investigations Over a Section of the Central Indian Ridge, Indian Ocean: *Kiranmai Samudrala*
- Tale of two sedimented spreading segments of the Andaman Backarc Basin: *Aswini K.K.*

15:30 to 16:15 Tea and Posters

16:15 to 17:30 **Session 4: Evolving lithosphere of the Indian Ocean: from mid-ocean ridges to basins to active or passive margins**

- Floated Seismometer Array Imagines Deep Earth of Indian Ocean: *Jiabiao Li*
- The nature of different age deep sources of magnetic anomalies in the Equatorial Indian Ocean: *A.N. Ivanenko*
- Specific of the rift magmatism formation at the early stages of the eastern Indian Ocean opening: *N.M. Sushchevskaya*
- Crustal architecture and plate tectonic evolution of the Laccadive Basin, Eastern Arabian Sea: *M. Shuhail*

17:30 to 18:00 Poster Talks

19:00 to 21:30 Dinner

## 16<sup>th</sup> November 2018

09:30 to 10:20 **Session 5: Aseismic ridges, oceanic plateaus, micro-continents and seamounts of the Indian Ocean**

- Evolution of the Saint Paul-Amsterdam plateau: a 10 Myr ridge-plume interaction: *Marcia Maia*
- The 85°E Ridge in the Bay of Bengal: The puzzle and its importance: *Maria Desa*
- Structure and nature of the Laccadive – Maldiva segment of the aseismic Chagos-Laccadive Ridge, Western Indian Ocean: *Priyesh Kunnummal*

10:20 to 11:10	<p><b>Session 6: Implications of the collision and subduction on the complex history of the Indian Ocean</b></p> <ul style="list-style-type: none"> <li>• Evidence of pervasive deformation in the 2012 Wharton Basin Earthquake Rupture Zone: <i>Nugroho Hananto</i></li> <li>• Scientific Results from the Passive Seismic Experiment in the Andaman-Nicobar Region: <i>Pawan Dewangan</i></li> <li>• Estimation of deep crustal structure using transfer function in the Andaman Sea region: <i>Pabitra Singha</i></li> </ul>
11:10 to 11:30	Tea Break
11:30 to 12:45	<p><b>Session 7: Submarine fans and sedimentation history in the Indian Ocean</b></p> <ul style="list-style-type: none"> <li>• Are Himalayas major source of the Bengal Fan sediments during the recent past?: <i>Pratima M. Kessarkar</i></li> <li>• Factors influencing sediment sources in the southern Bay of Bengal during the Late Quaternary glacial to de-glacial periods: <i>A. Prajith</i></li> <li>• Sedimentation rates in the Andaman Sea: <i>Pavan Miriyala</i></li> <li>• Bacteria dominate the deep sedimentary subsurface biosphere of the Indus Fan at Hole U1456B in the eastern Arabian Sea: <i>Gowtham Subbarao</i></li> </ul>
12:45 to 14:00	Buffet and Posters
14:00 to 15:00	Posters
15:00 to 15:30	Concluding Remarks
15:30 to 16:00	Tea