

NCPS-2017 Scientific Programme

Plenary Talk by Dr. Madhavan Nair Rajeevan, Secretary, MoES

Theme 1: Crustal Evolution and Reconstruction

Keynote Address by Dr. V. Ravikant, IIT Kharagpur

"Cratons, orogens and reconstruction of the Indo-Antarctic and Afro-Antarctic blocks-status and uncertainties"

Sessions Chairman: Prof. N.C. Pant, Delhi University

1.a) Geochronology, Geochemistry and Petrology

1.b) Crustal Evolution: Insight from Recent Geophysical and Geological Investigations

Coordinator: Dr. Sandeep Roy, GSI, Faridabad

1.c) Geodesy and geodynamics

Coordinator: Dr. P.S. Sunil, IIG, Mumbai

Theme 2: Space Weather, Meteorology and Oceanic Processes

Keynote Address by Dr. R. Krishnan, IITM, Pune

"Understanding non-monsoonal precipitation response in the Karakoram and Hindu Kush Himalayas to climate change"

Sessions Chairman: Dr. M. Ravichandran, Director, NCAOR, Goa

2.a) Solar-terrestrial Interaction Studies

Coordinator: Dr. Anand Kumar Singh, NCAOR, Goa

2.b) Weather and Climate Modeling Including Sea Ice Prediction

Coordinator: Dr. Nuncio Murukesh, NCAOR, Goa

2.c) Southern Ocean Circulation in Climate Dynamics

Coordinator: Dr. P. Sabu, NCAOR, Goa

2.d) Biogeochemical Cycle and Oceanic Processes

Coordinator: Dr. Sarat Chandra Tripathy, NCAOR, Goa

2.e) Environmental Monitoring and Assessment

Coordinator: Dr. Suresh Babu, SPL, Trivandrum

Theme 4: Cryospheric Processes and Dynamics

Keynote Address by Dr. Ishmohan Bahuguna, SAC

"Himalayan Cryosphere: Recent results from Indian Remote Sensing data"

Sessions Chairman: Dr. Thamban Meloth, NCAOR, Goa

4.a) Cryospheric Processes and Variability

4.b) Ice sheet and ice shelf stability

Coordinator: Dr. C.M. Laluraj, NCAOR, Goa

4.c) Glacier processes and glacio-hydrological responses

Coordinator: Dr. Parmanand Sharma, NCAOR, Goa

4.d) Sea ice variability and dynamics through time and space

Coordinators: Dr. Babula Jena, NCAOR, Goa

Day 1 (Tuesday, 16 May 2017)

Theme 3: Climate Change and Variability

Keynote Address by Prof. R. Ramesh, NISER, Bhubaneswar
Titled "Long term climate variability as recorded in the Southern Ocean"

Sessions Chairman: Dr. P.C. Pandey, Former Director, NCAOR, Goa

3.a) Physical forcings, biogeochemical feedbacks, variability

Coordinator: Dr. A.P. Dimri, JNU

3.b) Paleorecords and their climate linkages

Coordinator: Dr. Manish Tiwari, NCAOR, Goa

Theme 5: Ecology and Diversity of Polar Biota

Keynote Address by Dr. S. Shivaji, Director LVPEI
"Bacteria, genes and genomes from Antarctica and Arctic "

Sessions Chairman: Dr. S. SatyaKumar, WII, Dehradun

5.a) Planktons of the past and present: climatological and ecological perspectives

Coordinator: Dr. P.V. Bhaskar, NCAOR, Goa

5.b) Diversity and Ecology of Flora and Fauna

Coordinator: Dr. S.M. Singh, NCAOR, Goa

5.c) Microbial diversity: their role in the environment and industry

Coordinator: Dr. Runa Antony, NCAOR, Goa

Theme 6: Operations and Management

Keynote Address by Dr. Rasik Ravindra, Former Director, NCAOR
"Management of Antarctic Operations: Challenges and achievements in changing scenario"

Sessions Chairman: Shri. Mirza Javed Beg, NCOAR, Goa

6.a) Cold climate engineering: buildings, mechanical, systems, alternate energy systems

6.b) Communication and data management

Coordinator: Dr. Shailendra Saini, NCAOR, Goa

6.c) Medical & Social issues: Polar medicine, impacts of the polar environment and isolation over winter on individuals and communities

Coordinator: Dr. Pradeep Malhotra, Kolkata

6.d) Safety: human safety, equipment, clothing, operating procedures and search & rescue

Coordinator: Dr. Yogesh Ray, NCAOR, Goa

6.e) Education and outreach

Coordinator: Dr. Swati Nagar, NCAOR, Goa