



# Frontiers in Earth and Climate Sciences

December 5 – 7 2016, Bengaluru



## *A Conclave of Young Scientists in Central & South Asian Region*

*Venue:* Divecha Centre for Climate Change, Indian Institute of Science,  
Bengaluru-560012, India

*Date:* December 5-7, 2016.

### PROGRAMME

#### **Monday, 05 December 2016:**

0930-1015 Hrs      Inaugural Session: Chair: **Prof. V. Krishnan, JNCASR**  
Inauguration by **Prof. R. Narasimha, JNCASR**

1015-1045 Hrs      *Tea Break / Photo session*

#### **Session I: Chair: Prof. G. S. Bhat**

1045-1130 Hrs      *Monsoons and Climate Change*  
**Prof. J. Srinivasan, IISc, Bengaluru**

1130-1215 Hrs      Understanding the Indian Ocean Warming  
**Dr. Satish C Shenoi, INCOIS, Hyderabad**

1215-1400 Hrs      *Lunch / Poster viewing*      **Poster Session: I**

#### **Session II : Chair: Prof. J. Srinivasan**

1400-1445 Hrs      *Paleomonsoon studies from speleothems in India*  
**Prof. R. Ramesh, PRL, Ahmedabad**

1445-1530 Hrs      *Impact of Climate Change on Intraseasonal Variability of the  
Indian Summer Monsoon*  
**Prof. R.S. Nanjundiah, CAOS, IISc, Bengaluru**

1530-1600 Hrs      *Tea Break*

#### **Session III : Chair: Prof. J. Srinivasan**

1600-1645 Hrs      *Aerosols and South Asian Regional Climate*  
**Dr. S. Suresh Babu, Vikram Sarabhai Space Centre, ISRO.**

1930 Hrs      *Dinner (sponsored by TWASROCASA at Gymkhana Campus)*

**Tuesday, 06 December 2016:**

**Session IV : Chair: Prof. R. S. Nanjundiah**

0900-0945 Hrs *Geological characteristics of pre-Pleistocene glacial deposits of India*

**Dr. R. Srinivasan, IISc, Bengaluru / Editor, Current Science**

0945-1030 Hrs *Recent Advances in Himalayan Glaciology and Future Challenges*

**Dr. V. Anil Kulkarni, IISc, Bengaluru**

1030-1100 Hrs *Tea Break*

**Session V: Chair: Prof. D. Nagesh Kumar**

1100-1145 Hrs *Medical Geology - a Geoscience for the Future*

**Prof. Rohana Chandrajith, University of Peradeniya, Sri Lanka**

1145-1230 Hrs *Paleo-channels in northwestern India: the geoarchaeological context and groundwater prospects*

**Prof. Rajiv Sinha, IIT Kanpur**

1230-1430 Hrs *Lunch / Poster viewing*

**Poster Session: II**

**Session VI : Chair: Dr. R. Srinivasan**

1430-1515 Hrs *Inferring Water Storage Variability from GRACE Satellite Measurements over India*

**Dr. V.M. Tiwari, NGRI, Hyderabad**

1515-1600 Hrs *India to Mars: The Mars Orbiter Mission (MOM)*

**Dr. Anil Bhardwaj, Vikram Sarabhai Space Centre, ISRO**

1600-1630 Hrs *Tea Break*

**Session VII : Chair: Dr. R. Srinivasan**

1630-1715 Hrs *Role of plate tectonics in the evolution of the Earth as a habitable planet*

**Prof. Kusala Rajendran, CEaS, IISc**

1930 Hrs

*Dinner (sponsored by DCCC at K. C. Palace club)*

**Wednesday, 07 December 2016:**

**Session VIII : Chair: Dr. A. V. Kulkarni**

0930-1015 Hrs From a Fishing hamlet to Moon, Mars and Beyond  
**Prof. J. N. Goswami, PRL, Ahmedabad**

1015-1100 Hrs *Climate and Conflict: Mughal Invasion of India*  
**Prof. R.R. Yadav, WIHG, Dehradun**

1100-1130 Hrs *Tea Break*

**Session IX : Chair: Prof. P. Balaram**

1130-1215 Hrs *Building the Institute of Biochemistry, Molecular Biology and Bio-Technology (IBMBB): Hurdles and Challenges*  
**Dr. Eric H Karunanayake**  
TWAS Regional Office Prize Lecture - 2016

**Session X : Chair: Prof. C. P. Rajendran**

1215-1300 Hrs **Participants' Presentations**

1300-1430 Hrs *Lunch*

1430-1530 Hrs **Participants' Presentations (contd.)**

1530-1600 Hrs **Concluding Session**