

CHIEF PATRON

Prof. Sudhir K Jain
Vice Chancellor – BHU

CO-CHIEF PATRON

Prof. V K Shukla, Rector, BHU

PATRONS

Prof. A S Raghubanshi
Director- IESD, BHU, Varanasi
Prof. A.K. Tripathi
Director- ISc, BHU, Varanasi

CONVENERS

Prof. R.K Mall
IESD, BHU

Prof. Rajesh Srivastava

Department of Geology, Institute of Science, BHU

ORGANIZING SECRETARY

Dr. Prashant K. Srivastava
IESD, BHU

JOINT ORGANIZING SECRETARY

Dr. Amiya Kumar Samal
Department of Geology, ISc, BHU

LOCAL ORGANIZING COMMITTEE

Prof. G. S. Singh

Prof. Kavita Shah

Dr. Rohit Pandey

Prof. Vaibhava Srivastava.

Dr. Rajiv Pratap Singh

Dr. T Banerjee

Dr. Sudhakar Srivastava.

Dr. Arkoprovo Biswas

Dr. Mayuri Pandey

Dr. Shive P Rai

Dr. V. Mishra

Dr. P C Abhilash

Dr. Kirpa Ram

Dr. Vishal Prasad

**“THE GREATEST THREAT TO OUR PLANET IS
THE BELIEF THAT SOMEONE ELSE WILL SAVE
IT!”**

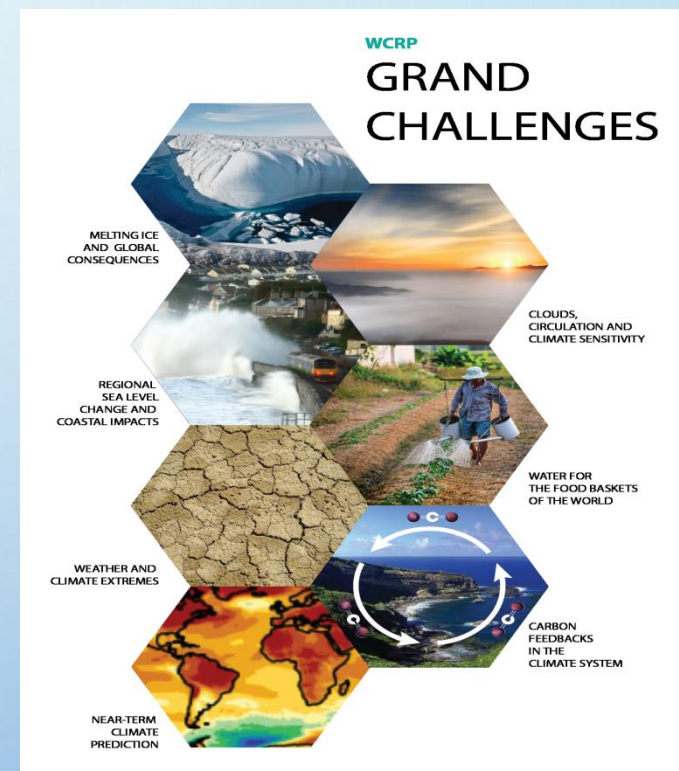
-ROBERT SWAN

National Advisory Committee

1. Dr Ajai, SAC/ISRO, Ahmedabad
2. Prof. A. Bhattacharyya (Indian Institute of Geomagnetism)
3. Prof. A.K. Sahai (Indian Institute of Tropical Meteorology, Pune)
4. Prof. A.P. Dimri Director, (Indian Institute of Geomagnetism)
5. Prof. Anil Kumar Gupta (Indian Institute of Technology, Kharagpur)
6. Prof. Devesh Sinha, Department of Geology, Delhi University
7. Prof H B Srivastava, VC, Siddharth University
8. Prof. Kalachand Sain (Director, Wadia Institute of Himalayan Geology)
9. Prof. M. Jayananda (University of Hyderabad)
10. Prof. Nelay Khare (Ministry of Earth Sciences)
11. Prof N V Chalapathi Rao (Department of Geology, Banaras Hindu University)
12. Prof. O.P. Mishra, (Scientist-G, MOES)
13. Prof. P P Mujumdar (Indian Institute of Science, Bangalore)
14. Prof. P.C. Pandey (IIT, Gandhinagar)
15. Dr. R. Krishnan (Indian Institute of Tropical Meteorology, Pune)
16. Prof. Rajiv Sinha (Indian Institute of Technology Kanpur)
17. Prof. S K Tandon (Professor Emeritus, IISER, Bhopal India)
18. Prof. S.K. Dash (Centre for Atmospheric Sciences, Indian Institute of Technology Delhi)
19. Prof. S.K. Jain (Indian Institute of Technology Roorkee)
20. Prof. Sachchida Nand Tripathi (Indian Institute of Technology Kanpur)
21. Prof. Saumitra Mukherjee (School of Environmental sciences, J.N.U.)
22. Prof. Shyam S. Rai (IISER, Pune)
23. Prof. Sunil Kumar Singh (CSIR - National Institute of Oceanography)
24. Prof. Talat Ahmad (Distinguished Professor, Wadia Institute of Himalayan Geology)
25. Prof. U C Mohanty (IIT, Bhubaneswar)
26. Prof. Virendra M. Tiwari (CSIR- National Geophysical Research Institute, Hyderabad)

National Seminar On “Grand Challenges in Earth System Sciences”

1st – 3rd April, 2023



Organized By



Institute of Environment & Sustainable
Development, Banaras Hindu
University, Varanasi, U.P.

ABOUT INSTITUTES

Banaras Hindu University is an internationally reputed temple of learning, situated in the holy city of Varanasi. This Creative and innovative university was founded by the great nationalist leader, Pandit Madan Mohan Malviya, in 1916 with cooperation of great personalities like Dr Annie Besant. Banaras Hindu University was created under the Parliamentary legislation (B.H.U. Act 1915). It has developed into the greatest center of learning in India. The Institute of Environment & Sustainable Development is dedicated to a better understanding of critical scientific and social issues related to sustainable development goals through guided research. The institute is making its mark at the national and international platforms in a number of frontier areas of Environment Science like hydrometeorology & agrometeorology, climate research, Remote sensing and GIS, modelling air pollution, water resources etc. The Institute of Science (BHU) is one of the most respected destinations of science teaching and research in the country. It has 320+ highly accomplished faculty members, in its 13 departments of Physics, Chemistry, Life sciences, Earth science and Mathematical sciences.

ABOUT SEMINAR

Earth science include the fields of science dealing with our planet and involves studies related to geology, geophysics, geochemistry, hydrology, ocean, and cryospheric sciences and the atmosphere (including meteorology and climatology). Earth system sciences consists of a broad spectrum of physical, chemical, and biological processes that are occurring on our Earth. With the advancement in the technology, it has grown with each new decade supported by continuing technical and theoretical

improvements. However, as the science advances many new challenges are also coming up that needs to be understood and addressed in near future.

SCOPE OF SEMINAR

1. Techniques development in the field Earth and Atmospheric Sciences
2. Model development and challenges for understanding Earth processes
3. Sensitivity and Uncertainty analysis
4. Challenges in remote sensing applications
5. Climate change impact on Earth processes
6. Hydrological system modelling and challenges
7. Challenges in high resolution monitoring of terrestrial and atmospheric fluxes

Registration Fees:

For Masters/Bachelors students: 500/-
For Ph.D. Students: 1500/-
Postdocs/Scientists/ Faculty : 2000/-

The payment can be made through cash/electronic transfer. The electronic wire transaction details and completely filled registration form along with CV should be sent to **Dr. P. K. Srivastava**, Organizing Secretary, Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi at the email id: **rslab.iesd.bhu@gmail.com**. Bank details for the electronic transfer are given below:

Account Details

Branch Name

IFSC Code.

Account Holder Name.

IMPORTANT DATES

Registration deadline	15 th March 2023
Confirmation of Participation	20 th March 2023

*Registration seats are limited (First Come First serve Basis)

ABOUT VARANASI

Varanasi, the spiritual capital of India, is believed to be the most ancient surviving city of the globe. Legend has it that the first Siva Jyotirlinga emanated from the earth in this city and flared straight into the sky. This is why **Varanasi** is also known as Kashi or “**The City of Light**”. The boat rides on the Ganga, visiting the different temples and exploring the vibrant city is made double fun for visitors.

For any enquiry or further information please contact

Organizing Secretary

National Seminar on Grand Challenges in Earth System Science

Banaras Hindu University,
Varanasi-221005.

Mobile No: +91-8318991665, 8795334643

Email id : rslab.iesd.bhu@gmail.com