

5th National Geo-Research Scholars Meet: Webinar (22-23 July, 2021)

Wadia Institute of Himalayan Geology, Dehradun

TECHNICAL SCHEDULE

Day 1: 22nd July 2021

Session-1 (10:00 -13:00 Hrs) Session Moderator: Dr. R.J. Perumal/ Convener/Co-convener	Session-2 (14:30 -17:00 Hrs) Session Moderator: / Dr. S. S. Thakur/ Convener/Co-convener
10.00 - 10.15 --- Dr Kalachand Sain Welcome Address by Director WIHG	14.30 - 15.00 --- Prof. Malay Mukul Finding faults in the Himalaya
10.15 – 10.45 --- Prof Sandeep Verma (Secretary, SERB) Address by Guest of Honour	15.00 - 15.30 --- Dr Irfan Rashid Environmental issues in high elevation glacial environments
10.45 - 11.00 --- Prof. Ashok Sahni Address by Chairman, GB	15.30 - 16.00 --- Dr. Sonali Agarwal Big Data Analytics for Earth Sciences
11.00 - 11:30 --- Prof.P.P.Chakraborty How much the mother Earth struggled for getting an oxygenated atmosphere? Do we bother for that?	16.00 - 16.30 --- Dr. V.Balaram Current and emerging analytical techniques for geochemical and geochronological studies
11:30 – 12.00 --- Prof. Santosh Kumar Contribution of enclave magma in the evolution of Ladakh Batholith, Trans-Himalaya	16.30- 17.00 --- Dr Hemant Kumar Pandey Groundwater and other water resource options for sustainable Development.
12.00 – 12:30 --- Dr. Saurabh Barua Seismotectonic scenario of Northeast region of India and its implications	17:00 – 17:35 --- Geo-Research Scholars Program (details on next page)
12:30 - 13:00 --- Dr. D.P. Kanungo Landslide Disaster Mitigation Research in Indian Himalayas - Ongoing Efforts and Scopes	

Day 2: 23rd July 2021

Session-3 (10:00 -13:00 Hrs) Session Moderator: Dr. B. K. Mukherjee/ Convener/Co-convener	Session- 4 (14:30 – 17:00 Hrs) Session Moderator: Dr. Naresh Kumar/ Convener/Co-convener
10.00 - 10:30 --- Prof. Ashutosh Sharma (Secretary, DST) Address by Chief Guest	14.30 - 15.00 --- Prof. Shailesh Nayak Address by Chairman, RAC
10:30 – 11.00 --- Prof. N. V. Chalapathi Rao Scientific Publishing, Journals and Ethics	15.00 - 15.30 --- Dr. Navin Juyal Natural disasters and human intervention in Uttarakhand Himalaya
11.00 - 11:30 --- Dr Kalachand Sain Machine Learning: Application to Geosciences	15.30 - 16.00 --- Dr. Imtiyaz Ahmad Parvez An overview on earthquake zonation and microzonation studies in India
11:30 – 12.00 --- Prof Prosanta Kumar Khan Role of plate geometry, plate obliquity and rheology on the occurrences of megathrust earthquakes along subduction margin globally	16.00 - 16.30 --- Dr. Sumer Chopra Seismic hazard assessment – theory and practice
12:00 - 12:30 --- Prof. B.S. Chaudhary Geospatial technology for water security in India	16.30- 17.00 --- Dr. A. K. Pandey Quantitative characterization of earth surface processes in bed rock terrain of Himalaya
12:30 – 13:00 --- Dr. Soumyajit Mukherjee Opposite shear sense and tectonic implications	17:00 – 17:40 --- Geo-Research Scholars Program (details on next page)

Day 1: 22nd July 2021: Session 2: Geo-Research Scholars Program (17:00 – 17:35) Moderator: Dr. Parveen Kumar

- 17.00 - 17.05 --- **Sreya Sengupta (IIT Kharagpur)**
Paleomonsoon reconstruction using multi proxy records from the Northern Indian lake archive of Late Holocene
- 17.05 - 17.10 --- **Prachita Arora (BSIP, Lucknow)**
Understanding the glacier dynamics, palaeoclimate and public perception of climate change in the Higher Sikkim Himalaya
- 17.10 - 17.15 --- **Firoz Khan (Garhwal University)**
Late-Pleistocene to Holocene Indian summer monsoon variability evidence from peat record from the Baspa Valley, Northwest Himalaya, India
- 17.15 - 17.20 --- **Timangshu Chetiya (NEIST, Assam)**
Earthquake precursory studies based on Multiparametric Geophysical Observations in Tezpur (Eastern Himalaya) region
- 17.20 - 17.25 --- **Srinjoy Datta (BHU, Varanasi)**
Al- in- Olivine thermometry of Paleoproterozoic picrite dyke, western Dharwar craton: Implications for plume induced mantle melting
- 17.25 - 17.30 --- **Rose Mary Shaju (Cochin University of Science and Technology)**
Application of GNSS in Earth and Atmospheric Sciences
- 17.30 - 17.35 --- **Priya Agnihotri (BSIP, Lucknow)**
Eocene arthropods in amber from the lignite deposits of Western India

Day : 23rd July 2021: Session 4: Geo-Research Scholars Program (17:00 – 17:40) Moderator: Dr. Ajay Paul

- 17.00 - 17.05 --- **Jaydeep Singh (ARIES, Nainital)**
Spatial resolution of WRF and meteorology over the central Himalaya
- 17.05 - 17.10 --- **Rashmi Singh (ISM Dhanbad)**
Lateral variation of coda wave in eastern Indian shield region
- 17.10 - 17.15 --- **Nongmaithem Menaka Chanu (IIT Roorkee)**
Azimuth Variation of Subsurface Shear Wave Structure For NE India Based on Inversion of Surface Wave Data
- 17.15 - 17.20 --- **Abhishek Kumar Gupta (NGRI, Hyderabad)**
Modeling of Earthquake Source Parameters and delineation of the average 1-D regional shear velocity structure below the Uttarakhand Himalayan region, India using surface wave dispersion study
- 17.20 - 17.25 --- **Mahi Bansal (BSIP, Lucknow)**
Fossil evidences as a window on tracing the evolutionary history of plants and animals
- 17.25 - 17.30 --- **Giri Y (IIT Bombay)**
Interpretation of regional geophysical data for the Supercontinental reconstructions
- 17.30 - 17.35 --- **Vineet Ahuja (Gurukul Kangri University, Haridwar)**
Statistical modeling of atmospheric parameters over north western Himalaya
- 17.35 - 17.40 --- **Sneha Raghuvanshi (BHU, Varanasi)**
Petrology and geochemistry of Lamprophyres and mafic and ultramafic dykes from Mysuru (Western Dharwar Craton) and Halaguru (Eastern Dharwar Craton) areas, Southern India