



06-08 November 2023 - Jodhpur

**Day 2: Technical Session 4-B | 07 November 2023, 17:00 - 18:30 hrs**

**Venue: Hall-B (2<sup>nd</sup> Floor, RC-W Main Building)**

## Contemporary Earth Sciences

**Chair:** ..... **Co-chair:** ..... **Rapporteur:** .....

SI No.	Title	Authors
1	Assessing Seasonal Variations: Correlation Analysis between LST, Rainfall and NDVI in Sultanpur National Park	Hritik Kadian, Naresh Chandra Gupta, Neeraj Bohat, Varun Joshi Guru Gobind Singh Indraprastha University
2	Reconnoitering the Intricate Relation between AOD and LST in Singrauli, Madhya Pradesh: Implications for Mitigating Urban Heat Island Effects and Addressing Air Pollution Challenges	Bhupendra Kumar, Neeraj Bohat, Hritik Kadian, Varun Joshi, Naresh Chandra Gupta Guru Gobind Singh Indraprastha University
3	Evaluation of Spatio-temporal Variation of Satellite-derived Major Pollutants from Sentinel-5p over Eastern India	Lal Mohammad <sup>1</sup> , Jatisankar Bandyopadhyay <sup>1</sup> , Ismail Mondal <sup>2</sup> , Sumana Pradhan <sup>1</sup> , Taslima Khatun <sup>3</sup> <sup>1</sup> Vidyasagar University <sup>2</sup> University of Calcutta <sup>4</sup> Prof. S. N. Hasan College, Farakka
4	State Of Aerosol Optical Depth and Black Carbon Concentration Over Western Himalayan Region	Gautham T S Jawaharlal Nehru University
5	Spatio-temporal Characteristics of Precipitation Concentration over Himachal Pradesh, India	Ajay Kumar, Omvir Singh Kurukshetra University
6	Prediction and Mitigation of agricultural and meteorological drought using ARIMA model for Naganathi Watershed, Palar Basin, South India using the remote sensing techniques	Aravind Raj S, Dipjyoti Gogoi, Narmada K, Bhaskaran G University of Madars
7	Inter-comparison of Satellite Rainfall Products with Rain Gauge Measurements over Narmada River Basin, India	Jyoti Sharma, Omvir Singh Kurukshetra University
8	Analysis of Temporal Precipitation Variability in Jammu Region from 1990-2010	Gursheen Kour, Inderjeet Singh University Of Jammu
9	Assessment of Drought Hazard, Vulnerability and Risk over Rajasthan, India	Divya Saini, Omvir Singh Kurukshetra University

<b>10</b>	Assessing the Impact of Drought on Agriculture in Jaisalmer and Bikaner, Rajasthan, India	Kriti Verma  Delhi School of Economics, University of Delhi, New Delhi
<b>11</b>	Application of geospatial techniques in deciphering the evolution of a meteorite impact crater; insights from Lonar impact crater, Maharashtra, India	Saranya R. Chandran <sup>1,2</sup> , Sajin Kumar K. S. <sup>2,3</sup> <sup>1</sup> National Atlas and Thematic Mapping Organisation <sup>2</sup> University of Kerala, Thiruvananthapuram <sup>3</sup> Michigan Technological University, USA