



# 43<sup>rd</sup> INCA International Congress

06-08 November 2023 - Jodhpur

Day 1: Technical Session 1-A | 06 November 2023, 15:00 – 16:30 hrs

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

## Natural Resources Management

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

Sl No.	Title	Authors
1	Analysis of different SAR Polarimetric Decomposition methods using EOS-04 Polarimetric data for Urban and Natural features	M. V. Srivally, Sujata Ghosh, Nidhi Chaubey, Swati Upadhyay, Sumit Pandey Advanced Data Processing Research Institute
2	Implementation of partial unmixing methods on AVIRIS NG data to distinguish spectrally similar targets within Serpentine in Aravalli Craton, Rajasthan	Arindam Guha <sup>1</sup> , Manche Shiva Shankar <sup>2</sup> , Suparn Pathak <sup>1</sup> , SK Srivastav <sup>3</sup> , K Vinod Kumar <sup>4</sup> <sup>1</sup> RRSC-East, NRSC, Kolkata <sup>2</sup> ECSA, NRSC, Hyderabad <sup>3</sup> Regional Centres, NRSC, New Delhi <sup>4</sup> National Remote Sensing Centre, Hyderabad
3	Remote Sensing and GIS in Identification of Soil Constraints for Sustainable Development in Ajmer District, Rajasthan.	Laxman Singh, Rajeev Jain, Manu Sikharwar, Mahendra Prakash Mathur State Remote Sensing Application Centre, Jodhpur
4	Comparative analysis of LCLU of Ranchi city and surroundings using multi-sensor remote sensing data with a global land cover product	Nikhil Raj Deep, Girish Pujar, Pondari Satyanarayana, Ronald Singh, Preetilata Murmu National Remote Sensing Centre
5	Bamboo distribution mapping using hyperspectral remote sensing in Ri Bhoi district of North East India	Dhruval Bhavsar, Kasturi Chakraborty, KK Sarma, SP Aggarwal North Eastern Space Applications Centre
6	Monitoring Land Use Land Cover Dynamics using High Resolution Satellite Data - A case study in North Goa, India	Deep Chand Chaurasia <sup>1</sup> , S Rama Subramoniam <sup>1</sup> , Shivam Trivedi <sup>1</sup> , R Hebbar <sup>1</sup> , SK Srivastav <sup>2</sup> <sup>1</sup> RRSC-South, Bengaluru <sup>2</sup> Regional Centres, NRSC, New Delhi

7	Remote sensing-based fractal dimension algorithm to identify land cover class from time series EVI data	Niraj Priyadarshi <sup>1</sup> , Suparn Pathak <sup>1</sup> , Debasish Chakraborty <sup>1</sup> , Sushil Kumar Srivastav <sup>2</sup> , Chandrasekar K <sup>3</sup> , Vemuri Muthayya Chowdary <sup>3</sup> , Soumya Bandyopadhyay <sup>4</sup>  <sup>1</sup> RRSC-East, NRSC, Kolkata <sup>2</sup> Regional Centres, NRSC, New Delhi <sup>3</sup> National Remote Sensing Centre, Hyderabad <sup>4</sup> Indian Space Research Organization HQ, Bengaluru
8	Hyperspectral Reflectance for Preliminary Identification of Degraded or Contaminated Soil Zones in Industrial Sites: Screening Tool Prior to Undertaking Ground Based Investigations	Amitava Dutta, Rashi Tyagi, Shilpi Sharma, Manoj Datta  IIT- DELHI
9	GIS Mapping and IUCN Assessment of the Threatened and Endemic Species of Indian Desert, Rajasthan	C.S. Purohit, S.L. Meena, Amit Kumar  Botanical Survey of India, Arid Zone Research Institute, Jodhpur
10	Application of Geospatial technologies in Role of nalas in development of landforms and land use pattern, Leh Valley, Ladakh	Rupam Kumar Dutta  University of Calcutta, South 24 Parganas