43rd INCA International Congress
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Day 2: Technical Session 3-A | 07 November 2023, 15:30 – 16:30 hrs
Venue: Hall-A (2nd Floor, RC-W Main Building)

Emerging Trends in AI/ML – I

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

Sl No.	Title	Authors
1	Enhancing Canopy Modeling through Deep Learning: Integrating Multi-Source EO Data and Aerial LiDAR Observations	Suraj Reddy Rodda, Praveen MSS, Rajashekar Gopalakrishnan National Remote Sensing Centre, Hyderabad
2	Assessing Machine Learning Classifiers for Tropical Land Use/Land Cover Mapping: A Study in Kochi Urban Agglomeration, India	Krishnaveni K S, Anilkumar P P National Institute of Technology - Calicut
3	Understanding the effects of influential attributes on house prices using Extreme Gradient Boosting (XGBoost) – A case study of Vadodara city, Gujarat, India	Mudit D. Mankad Maharaja Sayajirao University of Baroda
4	Characterization of Urban Waterbodies Using Deep Learning	Sampath Kumar P, Saiveena Suresh, Satish Chandra Jayanthi National Remote Sensing Centre, Hyderabad
5	Tracking Informal settlements in Desert Terrain through Space and Deep Learning: Case Study around Rajasthan Region	Reedhi Shukla, Sampath Kumar P, Satish Jayanthi, Dr. Prakash Chauhan, Kamini National Remote Sensing Centre, Hyderabad
6	Pixels in Focus: Deep Learning's Breakthrough in Remote Sensing Built-Up Segmentation	Dhiroj Kumar Behera, Ronald Singh, Pondari Satyanarayana, Rajiv Kumar National Remote Sensing Centre, Hyderabad
7	Mangrove Forest Monitoring Using Deep Learning and Landsat-8 Satellite Imagery	Shivani Pathak ESRI R&D Center, India
8	Prediction of Soil Nutrient Suitability Mapping Using VIs-NIR Spectroscopy and Sentinel 2 Images	Chiranjit Singha, Kishore Chandra Swain Institute of Agriculture, Visva-Bharati