

47TH ASIAN CONFERENCE ON REMOTE SENSING

“REMOTE SENSING FOR FUTURE EARTH - INNOVATION, INCLUSION & IMPACT”

12TH - 16TH OCTOBER, 2026 | HOTEL TAJ VIVANTA, DWARKA, NEW DELHI, INDIA

ACRS26_ABS_A112998	Semantic Extraction of Facade Components from Photogrammetric Point Clouds for CAD-Based Modeling	Oral Presentation	Full Paper
ACRS26_ABS_W986191	Open-Source GIS for Electoral Delimitation: Measuring Compactness for Drawing Inclusive and Objective Constituency Boundaries	Oral Presentation	Full Paper
ACRS26_ABS_A180764	Purpose-Specific Imaging Patterns for Cooperative UAV Observation	Oral Presentation	Full Paper
ACRS26_ABS_A220122	Integrated Thermal and Kinematic Monitoring of Mountain Permafrost in the Eastern Himalaya Using Multi-temporal Landsat LST and SBAS Surface-Velocity Trends	Oral Presentation	Full Paper

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ACRS26_ABS_A283434	Cloud-Optimized Scalable Geospatial Slicing and Conversion Framework for Large-Scale NISAR HDF Data Products	Oral Presentation	Full Paper
ACRS26_ABS_A316663	Multipath Error Modeling And Mitigation In Urban Canyons Of Delhi	Oral Presentation	Full Paper
ACRS26_ABS_A482735	CHANGING ATMOSPHERIC PATHWAYS OF EXTREME RAINFALL AND FLOOD RISK ACROSS INDIA'S MOUNTAIN SYSTEMS UNDER CLIMATE WARMING REVEALED BY INTERPRETABLE ARTIFICIAL	Oral Presentation	Full Paper
ACRS26_ABS_A498915	Development of a Machine Learning-Based Cloud Detection Algorithm for INSAT-3DS Sounder	Oral Presentation	Full Paper

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ACRS26_ABS_A508480	Assessment of Urban Land Cover Land Use Change dynamics in Hyderabad, India (2017–2025) Using Satellite Foundation Model Embeddings	Oral Presentation	Full Paper
ACRS26_ABS_A518904	Machine Learning-Based Soil Salinity Mapping Using Sentinel-2 Multispectral Imagery: A Case Study of Central Uttar Pradesh, India	Oral Presentation	Full Paper
ACRS26_ABS_A695224	Tracking Dust and Biomass-Burning Aerosols from Space: Spatial Variability of Aerosol Layer Height and Aerosol Index from TROPOMI over India	Oral Presentation	Full Paper
ACRS26_ABS_A748948	FloodFusion: An AI-Driven Multi-Source Geospatial Decision Support Framework for Urban Flood Management	Oral Presentation	Full Paper

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ACRS26_ABS_A758548	UAV LiDAR and Photogrammetry for Forest Structure Assessment and Treatment Planning in Semi-Dense Forest Tracts of South Gujarat, India	Oral Presentation	Full Paper
ACRS26_ABS_A777446	Assessment of Uprooted Forest Extent in Tadvai Reserve Forest Due to Extreme Weather Event Using UAV Data Sets	Oral Presentation	Full Paper
ACRS26_ABS_A839348	Biomass Estimation Using P-band Polarimetric Interferometric SAR (PolInSAR) Data for Forest Structure Characterization	Oral Presentation	Full Paper
ACRS26_ABS_B109173	A Comparative study of Machine Learning techniques for Potato crop classification	Oral Presentation	Full Paper

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ACRS26_ABS_B170855	Geospatial Estimation of Soil Moisture Using Integrated TVDI–HVTMI and Geographically Weighted Regression in West Garo Hills, Meghalaya, India	Oral Presentation	Full Paper
ACRS26_ABS_B189361	Multi-Image Super Resolution Using Swin2SR Transformer: A Deep Learning Approach for High-Fidelity Image Reconstruction	Oral Presentation	Full Paper
ACRS26_ABS_B203225	A Comparison of Satellites Multispectral Imagery and UAV for Monitoring Transplanting Phenological Phases of Glutinous Rice in Thailand	Oral Presentation	Full Paper
ACRS26_ABS_B292649	Comparative Analysis of Deep Learning Models for Semantic Segmentation of Mango Plantations Using UAV Imagery	Oral Presentation	Full Paper

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ACRS26_ABS_B438216	Real-Time Urban Digital Twin for Spatial Impact Assessment and Urban Planning Using Remote Sensing	Oral Presentation	Full Paper
ACRS26_ABS_B440338	Complete Assembly, Integration & Checkout Testing of GNSS Receiver	Oral Presentation	Full Paper
ACRS26_ABS_B508178	GeoChangeNet: An AI-Based Framework for Robust Multi-Temporal Satellite Change Detection Using Spectral Normalization	Oral Presentation	Full Paper
ACRS26_ABS_B511949	Real-Time Phenology Mapping for Rice using New Generation Earth Observation Data and Dynamic System Theory	Oral Presentation	Full Paper

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ACRS26_ABS_B520930	Performance Assessment of Smartphone-Based Multi-Constellation GNSS for Accurate Navigation and Geospatial Mapping in Smart City Applications	Oral Presentation	Full Paper
ACRS26_ABS_B596766	Ground-Based Hyperspectral Remote Sensing for Non-Destructive Estimation Biochemical Traits in Tomato (<i>Solanum lycopersicum</i> L.)	Oral Presentation	Full Paper
ACRS26_ABS_B615472	Non Destructive Biomass Retrieval in Menthol mint (<i>Mentha arvensis</i>) using UAV LiDAR	Oral Presentation	Full Paper
ACRS26_ABS_B641234	Development of an Embedded Hybrid Renewable Energy System Using Solar PV and Micro-Algae Microbial Fuel Cells with Intelligent Energy Management	Oral Presentation	Full Paper

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ACRS26_ABS_B752663	Spatial Variability of Relative Uplift Rates and Channel Response in the Uhl River Basin, India: A Morphotectonic Investigation	Oral Presentation	Full Paper
ACRS26_ABS_B833947	Implementation of a Low-Latency Seam Reduction Technique for Cartosat-3 Quick-Look Imagery	Oral Presentation	Full Paper
ACRS26_ABS_B852707	Multi Agent Architecture for scalable HD maps creation and maintenance	Oral Presentation	Full Paper
ACRS26_ABS_B852810	Plot size matters: assessing precision-cost trade-offs in remote sensing-based forest inventories	Oral Presentation	Full Paper

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ACRS26_ABS_C196394	Pixel-level retrieval of Aerosol Optical Depth over ocean from Ocean Colour Monitor-3: Inversion Algorithm and Sensitivity Analysis	Oral Presentation	Full Paper
ACRS26_ABS_C197085	Effect of Meteorological Factors and Seasonal Dynamics on Dengue Incidence in Haryana Region	Oral Presentation	Full Paper
ACRS26_ABS_C213216	An Integrated Geospatial Approach for Sustainable Climate Resilient Agricultural Planning: A Case Study from Semi-Arid India	Oral Presentation	Full Paper
ACRS26_ABS_C217158	Bio-inspired Tuning vs. Temporal Attention: Five-Model Crop-Type Classification from Multi-Sensor Satellite Time Series	Oral Presentation	Full Paper

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ACRS26_ABS_C219645	Remote sensing and GIS-based monitoring of sand deposits and mining activities along the Son River between Bhojpur and Arwal district,	Oral Presentation	Full Paper
ACRS26_ABS_C299591	A Multi-Modal Deep-Learning Benchmark for Rock Glacier Segmentation in the Sikkim Himalaya	Oral Presentation	Full Paper
ACRS26_ABS_C381707	Agentic GeoAI: An Evidence-Grounded Multi-Agent Framework Integrating Geospatial Foundation Models, GIS Intelligence, and Retrieval-Augmented Reasoning for Natural Language Urban Analytics	Oral Presentation	Full Paper
ACRS26_ABS_C399123	Phenology-Aware Grassland Mowing Detection Using Sentinel-2 NDVI Time Series and Temperature Constraints	Oral Presentation	Full Paper

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ACRS26_ABS_C413986	Evaluation of Satellite-Derived Greenhouse Gas Observations Using Ground-Based EM27/SUN Measurements Across Semi-Urban and Industrial Environments	Oral Presentation	Extended Abstract
ACRS26_ABS_C481130	Spatial Assessment of Chilling Hours for Temperate Horticulture Planning in Northeast India Using ERA5-Land Data	Oral Presentation	Extended Abstract
ACRS26_ABS_C486650	Assessing the hydrological impacts of forest fire using event-based pre- and post-fire LULC and SWAT modelling in Upper Sutlej basin	Oral Presentation	Full Paper
ACRS26_ABS_C582285	Photogrammetry Exploration for Semantic Reconstruction Using 3D Gaussian Splatting	Oral Presentation	Full Paper

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ACRS26_ABS_C650737	Hydrological Variability and Water Balance of the Manoligao Watershed under Climate and Land Use Changes	Oral Presentation	Full Paper
ACRS26_ABS_C694273	Evaluating AlphaEarth Foundation Model Embeddings for mangrove species distribution modelling using a species-specific presence-absence framework	Oral Presentation	Full Paper
ACRS26_ABS_C724492	Spatio-Temporal Assessment of Landscape Fragmentation and Its Impact on Ecosystem Services: A Case Study of Deepor Beel, India	Oral Presentation	Full Paper
ACRS26_ABS_C734463	ASSESSING THE SPATIOTEMPORAL EXTINCTION OF LOW-ELEVATION SUB-HIMALAYAN VALLEY SNOWFALL: INTEGRATING HISTORICAL REANALYSIS, SATELLITE PRECIPITATION PRODUCTS, AND CMIP6 MODELS	Oral Presentation	Full Paper

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ACRS26_ABS_C807349	Nowcasting Air Temperature from Land Surface Temperature using Deep Learning Techniques for Hotspot Mapping: An Operational Portal for Heat Action Plan	Oral Presentation	Full Paper
ACRS26_ABS_C828125	Rice Mapping and Flood Impact Assessment in Punjab (India) using Sentinel-1 and Sentinel-2 Time Series Data	Oral Presentation	Full Paper
ACRS26_ABS_C850215	Spatio-Temporal Analysis of Climate Variability and Vegetation and Land Use Dynamics(2015– 2021) using LISS IV Satellite imagery and AI/ML Driven Change	Oral Presentation	Full Paper
ACRS26_ABS_C891129	Region Stability Index (RSI) using Timeseries PolSAR data and Binary Partition Tree (BPT)	Oral Presentation	Full Paper

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ACRS26_ABS_C932911	PREDICTIVE MAPPING OF BANANA BUNCHY TOP VIRUS RISK FOR SUSTAINABLE ABACA MANAGEMENT IN THE CARAGA REGION, PHILIPPINES	Oral Presentation	Full Paper
ACRS26_ABS_C939935	Systematic Review on Artificial Intelligence, Machine Learning and Geospatial Intelligence for Prediction and Management of Vector-Borne Diseases	Oral Presentation	Full Paper
ACRS26_ABS_C957225	Sensitivity analysis of cloud-to-ground (CG) lightning occurrences over land use land cover (LULC) classes across India.	Oral Presentation	Full Paper
ACRS26_ABS_C975546	Integrating Trend Detection and Explainable AI to Assess Future Fine Sediment Discharge Dynamics under Climate Change	Oral Presentation	Full Paper

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ACRS26_ABS_C979362	Spectral separability between oilseed crops based on absorption features- An insight from UAV hyperspectral analysis	Oral Presentation	Full Paper
ACRS26_ABS_D269771	Evapotranspiration Modelling for the Water-Energy Nexus using Geospatial Technology: Insights through METRIC Model and Scintillometry	Oral Presentation	Full Paper
ACRS26_ABS_D350774	GeoAI assisted location analysis using by MCDM	Oral Presentation	Full Paper
ACRS26_ABS_D352934	Monitoring recent eruptions (2025-2026) of Barren Island and related geomorphic evolutions using multi-sensor Earth Observation approach	Oral Presentation	Full Paper

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ACRS26_ABS_D398193	Realizing Indian Space Policy 2023 through Bhoonidhi: Democratizing Access to Indian Earth Observation Data	Oral Presentation	Full Paper
ACRS26_ABS_D401813	Soil and Water Conservation in Tea Lands of Hulu Ganga Sub-basin, Mahaweli River Basin of Sri Lanka: A GIS Based Micro-watershed Prioritization Approach	Oral Presentation	Full Paper
ACRS26_ABS_D532853	Deep Learning-Based Building Segmentation Across Multi-Resolution Satellite Imagery: Impact of Label Datasets	Oral Presentation	Full Paper
ACRS26_ABS_D580632	Semantic Infrastructure Verification (SIV): A Context-Aware Framework for AI-Assisted Road Validation Using Multi-Resolution Remote Sensing	Oral Presentation	Full Paper

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ACRS26_ABS_D662863	Integrated Geomorphological Assessment of the 2024 Noto Peninsula Earthquake in Japan: Airborne LiDAR and Bathymetric Surveys	Oral Presentation	Full Paper
ACRS26_ABS_D677338	An Incrementally Trainable Multi-Class Segmentation and Vectorization Pipeline for Land-Cover and Infrastructure Extraction from High-Resolution Satellite Imagery	Oral Presentation	Full Paper
ACRS26_ABS_D761781	Cross-Sensor Super-Resolution for Himawari AHI: Enhancing NIR/SWIR Image Quality Using SNPP VIIRS Imagery	Oral Presentation	Full Paper
ACRS26_ABS_D771003	Hyperspectral network observation of non-point source pollution and the associated real-time uncertainty assessment in urban-rural watershed	Oral Presentation	Full Paper

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ACRS26_ABS_D786678	Assessing the Impact of Biochar on Greenhouse Gas Emissions in Transplanted and Direct-Seeded Rice Systems	Oral Presentation	Full Paper
ACRS26_ABS_D833582	Deterministic Reconstruction of Corrupted Meteor M2 LRPT Satellite Imagery	Oral Presentation	Full Paper
ACRS26_ABS_D973203	Scattering-Based Land Cover Segmentation of ESA BIOMASS P-Band PolSAR Data Using Deep Learning	Oral Presentation	Full Paper
ACRS26_ABS_D981157	Earth Observation for Sustainable Land Cover Transformations in Palm dominated landscapes: Case studies from three Asian Countries	Oral Presentation	Full Paper

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ACRS26_ABS_E151863	Tribal Area Multi-Criteria Spatial Analysis: Identification of Priority Villages for Sustainable Development in Saranda Forest Region, West Singhbhum District, Jharkhand	Oral Presentation	Full Paper
ACRS26_ABS_E332615	Harmonization of Geospatial Metadata Architecture in India: Aligning ISO 19115, IS 16439:2025, and IS 18565 Data Quality Frameworks	Oral Presentation	Full Paper
ACRS26_ABS_E419485	Multi-Temporal C-band InSAR for Snow Water Equivalent Retrieval : Performance Evaluation Using Sentinel-1 Observation	Oral Presentation	Full Paper
ACRS26_ABS_E434537	Delineation of Rare Earth Element (REE) potential in the Son River Basin, India, using PRISMA spaceborne hyperspectral data	Oral Presentation	Full Paper

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ACRS26_ABS_E441346	High-Resolution 3D Rut and Soil Deformation Measurement for a Lunar Rover Using Infrared Random-Pattern Projection	Oral Presentation	Full Paper
ACRS26_ABS_E485045	Integrating Ground-Based Hyperspectral Imaging and Deep Learning for Precise Assessment of Phthorimaea absoluta Damage in Tomato	Oral Presentation	Full Paper
ACRS26_ABS_E486145	Road Marking Detection and Vectorization from MLS Intensity Imagery Using YOLO-OBb for HD Map Production	Oral Presentation	Full Paper
ACRS26_ABS_E631670	MapBiomass Indonesia: Annual Wall-to-Wall Mapping of Forest Ecosystems in Indonesia (1990–2024) Using Multi-Generation Landsat Data and Cloud-Based Machine Learning.	Oral Presentation	Full Paper

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ACRS26_ABS_E691492	Integrating Environmental, Physical, and Socio-Economic Indicators to Assess Urban Heat Island Variability: A Composite Index Approach for Dehradun, India	Oral Presentation	Full Paper
ACRS26_ABS_E775523	GeoAI: A Natural Language Interface for Interactive Earth Observation using Google Earth Engine	Oral Presentation	Full Paper
ACRS26_ABS_E925634	Atmospheric Downscaling via Multi-variable XGBoost: Enhancing the Spatial Resolution of Urban Humidity-Heat Risk Metrics	Oral Presentation	Full Paper
ACRS26_ABS_E931379	Comparative Analysis of Machine Learning and Deep Learning Techniques for Automatic Building Rooftop Extraction from UAV Imagery	Oral Presentation	Full Paper

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ACRS26_ABS_E988468	Three-Dimensional Ground Displacement Estimation by Integrating InSAR and Interpolated GNSS Displacements in Shikoku, Japan	Oral Presentation	Extended Abstract
ACRS26_ABS_F105872	Multi-GNSS Ionospheric TEC Analysis During the January 2026 Geomagnetic Storm: A Study Over the EIA Crest Region	Oral Presentation	Full Paper
ACRS26_ABS_F254323	Impact of Levels of Detail in 3D City Models on GNSS Visibility and Multipath Simulation	Oral Presentation	Full Paper
ACRS26_ABS_F327296	Sentinel-1 SAR-Based Automated Wet-Snow Detection over the Sutlej River Basin, Western Himalayas Using Adaptive Thresholding	Oral Presentation	Full Paper

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ACRS26_ABS_F444001	Exploring UAV based multispectral data for yield estimation of rice crop at sub-plot scale	Oral Presentation	Full Paper
ACRS26_ABS_F451926	Spectral Fingerprints of Cyanobacterial Blooms and Associated Phytoplankton Communities by Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Hyperspectral Observations	Oral Presentation	Full Paper
ACRS26_ABS_F487387	Decoding Plant Invasion: From Soil Bio-physiochemistry to GeoAI-Driven Canopy Spectral Signature	Oral Presentation	Full Paper
ACRS26_ABS_F578051	Polarimetric Satellite Observations of Aerosol Stagnation during Winter over the Indo-Gangetic Plain	Oral Presentation	Full Paper

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ACRS26_ABS_F615751	Intra-Urban Thermal Dynamics assessment for Indian Megacities Using GeoAI-Driven Built-Up Extraction	Oral Presentation	Full Paper
ACRS26_ABS_F688712	A Novel Individual Sample as Mean Training Framework for Fuzzy Machine Learning based Summer Crop Analytics in Kurukshetra District	Oral Presentation	Full Paper
ACRS26_ABS_F750178	Registration of LiDAR Point Clouds for Detecting Tunnel Deformation	Oral Presentation	Full Paper
ACRS26_ABS_F788401	Integrated Analysis of Surface Deformation Along a Railway Corridor and Its Surroundings Using Satellite-Based Persistent Scatterer InSAR (PS-InSAR) and Terrestrial Measurements	Oral Presentation	Full Paper

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ACRS26_ABS_F874918	Policy Reforms as a Catalyst for Geospatial Capacity Building: Evidence from India's Emerging Space Startup Ecosystem	Oral Presentation	Full Paper
ACRS26_ABS_F904277	Polarimetric Characterization of LULC Scattering Mechanisms Using NISAR Level-1 and Level-2 Synthetic Aperture Radar Products	Oral Presentation	Full Paper
ACRS26_ABS_F922491	Spatio-Temporal Bias Correction and Validation in Multi-Sensor Data Cube Fusion for Drought Monitoring	Oral Presentation	Full Paper
ACRS26_ABS_G124175	Towards Operational Coastal Water Quality Monitoring in India using Multispectral and Hyperspectral Earth Observation Data	Oral Presentation	Full Paper

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ACRS26_ABS_G351518	Temporal Frame Interpolation of Geostationary Satellite Imagery: A Comparative Study of Statistical & Deep-Learning Based Optical Flow for Severe Weather Events	Oral Presentation	Full Paper
ACRS26_ABS_G354334	AI-Driven Digital Public Infrastructure: Advancing Intelligent Water Security for All	Oral Presentation	Full Paper
ACRS26_ABS_G363467	Crop Area Estimation Using Dual-pol Sentinel-1 SAR Data: A Study in Ramanathapuram District, Tamil Nadu	Oral Presentation	Full Paper
ACRS26_ABS_G387584	Cross-Continental Assessment of GlobalBuildingAtlas Building Heights Using GEDI Spaceborne LiDAR Observations	Oral Presentation	Full Paper

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ACRS26_ABS_G480650	Multi-frequency SAR Assessment of Scattering Dynamics in Burnt Forest and Agricultural Ecosystems	Oral Presentation	Full Paper
ACRS26_ABS_G520723	Decadal LCLU Change for Monitoring Selected Blue Flag Beaches on India's East and West Coasts	Oral Presentation	Full Paper
ACRS26_ABS_G582002	Urban Digital Twin Framework for Monitoring Rainfall Patterns and Environmental Dynamics in Hyderabad	Oral Presentation	Full Paper
ACRS26_ABS_G643121	A Hyperspectral Approach for Oil Spill Monitoring Using EMIT over Barmer Oil Field, Rajasthan	Oral Presentation	Full Paper

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ACRS26_ABS_G677522	AUTOMATIC EXTRACTION OF STRUCTURAL PARAMETERS OF TREES FROM 3D POINT CLOUD DATASET	Oral Presentation	Full Paper
ACRS26_ABS_G755270	Assessment of crop phenology dynamics in cotton, tur and jowar using time series vegetation index	Oral Presentation	Full Paper
ACRS26_ABS_G761956	Physics-Informed GeoAI Framework for Urban Heat Stress Assessment and Cooling Strategy Optimization Using Multi-Source Remote Sensing Across Major Indian Cities	Oral Presentation	Full Paper
ACRS26_ABS_G853817	Weather-Adaptive Reliability-Based Integration of LIO-SAM and Visual SLAM for Robust Self-Localization	Oral Presentation	Full Paper

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ACRS26_ABS_G885505	A Graph Convolutional Network Approach for Crop Classification using time-series Sentinel-2 imagery	Oral Presentation	Full Paper
ACRS26_ABS_H153044	Dual-Band GNSS-R Antenna System Utilizing GPS and NavIC Signals for Earth Observation Satellite EOS-08	Oral Presentation	Full Paper
ACRS26_ABS_H155830	Active–Break Variability of the Monsoon Low-Level Jet over Peninsular India from INSAT-3DR/3DS AMVs and Wind Profilers	Oral Presentation	Full Paper
ACRS26_ABS_H410671	Taking GeoAI to micrometer scale: Applications for Thin-section analysis	Oral Presentation	Full Paper

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ACRS26_ABS_H573842	Monitoring Rooftop Solar Adoption under PM Surya Ghar Yojana in Ahmedabad city Using Very High-Resolution Satellite Data.	Oral Presentation	Full Paper
ACRS26_ABS_H610523	Confidence-Aware Sand Dune Movement Prediction Using Multi-Temporal Satellite Imagery	Oral Presentation	Full Paper
ACRS26_ABS_H710078	ANALYZING LAND USE, LAND COVER DYNAMICS AND LAND SURFACE TEMPERATURE: A CASE STUDY OF KOLKATA CITY (2001-2024)	Oral Presentation	Full Paper
ACRS26_ABS_H787915	Forecasting Landscape Transformation in the Lower Himalayas Using CA-Markov and ANN Modeling	Oral Presentation	Full Paper

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ACRS26_ABS_H815761	Fine-scale Snow Depth Retrieval Combining Super-Resolution Reconstruction and Machine Learning	Oral Presentation	Extended Abstract
ACRS26_ABS_H828271	Adaptive Gate-Enhanced SFIM for Spectrally Consistent and Computationally Efficient Pansharpening of Multi-Sensor Satellite Imagery	Oral Presentation	Full Paper
ACRS26_ABS_H988213	A Semi-Automated Preliminary Framework for Mapping Landslides Using Sentinel-1 and Sentinel-2: A Case of 2019 North Cotabato Earthquake in the Philippine	Oral Presentation	Full Paper
ACRS26_ABS_I108816	GeoRectNet: A Three-Stage Weakly Semi-Supervised Framework for Boundary-Preserving Building Region-Of-Interest Extraction	Oral Presentation	Full Paper

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ACRS26_ABS_I109575	Forecasting Fire from Space: A Deep Learning approach for Wildfire Prediction from Multi-Spectral Remote Sensing Data	Oral Presentation	Full Paper
ACRS26_ABS_I162783	Automated Semantic Segmentation for Construction Monitoring	Oral Presentation	Full Paper
ACRS26_ABS_I181754	Remote Sensing and GIS-Based Multiple Hazard Risk Mapping Through the Integration of Physical Hazard Susceptibility and Social Vulnerability Indicators	Oral Presentation	Full Paper
ACRS26_ABS_I276623	Analyzing Environmental and Anthropogenic Drivers of Forest Fires in Tehri Garhwal District Using an Automated Machine Learning (AutoML) Framework	Oral Presentation	Full Paper

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ACRS26_ABS_I368907	Comparative Analysis of Tropical Cyclone Centre Estimation Methods for INSAT-3D Patch Extraction over the North Indian Ocean	Oral Presentation	Full Paper
ACRS26_ABS_I400450	Landscape Metrics-Based Evaluation of Ecological Integrity in the Alaknanda River Basin, Uttarakhand (2000–2021)	Oral Presentation	Full Paper
ACRS26_ABS_I415579	Crop Resilience to Climate Extremes in Gangetic Plains: Evaluating the Role of Interventions under National-level Schemes	Oral Presentation	Full Paper
ACRS26_ABS_I479029	Quantum-Inspired Optimization for Cloud-to-Edge Latency Benchmarking in Disaster-Response Satellite Data Pipelines	Oral Presentation	Full Paper

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ACRS26_ABS_I524464	Ultraviolet–Near Infrared Spectroscopy for Species-Level Mangrove Discrimination: Implications for Earth Observation-Based Coastal Ecosystem Monitoring in the Philippines	Oral Presentation	Full Paper
ACRS26_ABS_I561340	Low-Compute Decomposition-Based SWIR Band Generation for LISS-4 Using LISS-3 Imagery	Oral Presentation	Full Paper
ACRS26_ABS_I562167	PRISMA data analysis for detecting serpentinised ultramafic rocks and intra-rock alteration zones ; as input for exploring resource rock for cosmetic industry and also possible source of Natural Hydrogen	Oral Presentation	Extended Abstract
ACRS26_ABS_I637918	A Unified Multi-Mission SAR Processing Platform for Operational Flood Mapping Using Sentinel-1, EOS-04, and NISAR	Oral Presentation	Full Paper

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ACRS26_ABS_I647884	Volcanic Surface Deformation Mapping, Validation and Forecasting Using Multi-Temporal D-InSAR	Oral Presentation	Full Paper
ACRS26_ABS_I719591	Satellite Altimetry Based Antarctic Ice Shelf Thickness Retrieval: A Novel Perception from Freeboard to Field Operations for Decision Support System	Oral Presentation	Full Paper
ACRS26_ABS_I724026	Spatiotemporal Heatwave-Risk Prediction and Urban Thermal-Hotspot Mapping in Chennai Using Satellite Imagery, Google Earth Engine, and Explainable Artificial Intelligence	Oral Presentation	Full Paper
ACRS26_ABS_I732175	Correlation between Artificial Bird Nests and Environmental Factors Using GWR	Oral Presentation	Full Paper

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ACRS26_ABS_I987729	Development of a CYGNSS GNSS-R Soil Moisture Model and its Application to Agricultural Drought Assessment in Karnataka	Oral Presentation	Full Paper
ACRS26_ABS_J112435	Multi-Source Earth Observation based Framework for Wetland Habitat Monitoring and Change Detection	Oral Presentation	Full Paper
ACRS26_ABS_J116405	Early Integration of Optical–SAR Moisture Susceptibility into Environmental Road Corridor Planning Using a Cloud-Based Multi-Criteria Framework: A Case Study of the Juba–Jale National Road Corridor	Oral Presentation	Full Paper
ACRS26_ABS_J186473	High-Resolution Air Temperature Mapping over the Delhi Urban Agglomeration Using U-Net-Based Downscaling of ERA5-Land Data	Oral Presentation	Full Paper

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ACRS26_ABS_J308782	Improving Recall of Small Oriented Objects with Space-to-Depth Topology and Multi-Scale Attention	Oral Presentation	Full Paper
ACRS26_ABS_J367251	Accuracy Validation of CLAS-Based GNSS Slant-Path Precipitable Water Vapor Using Ground-Based Microwave Radiometer Observations	Oral Presentation	Full Paper
ACRS26_ABS_J531719	A Remote Sensing-Based Framework for Spatio-Temporal Assessment of Agricultural Water Sustainability: A Case Study of Ghana	Oral Presentation	Extended Abstract
ACRS26_ABS_J551836	An Automated Framework for Sub-Pixel Geometric Harmonization of a Three-Decade Multi-Mission LISS-3 Archive	Oral Presentation	Full Paper

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ACRS26_ABS_J588105	Change detection in urban area using polarimetric signature	Oral Presentation	Extended Abstract
ACRS26_ABS_J631583	Crop-specific Agricultural Drought Indicator: A phenology-based approach derived from SAR-Optical data integration	Oral Presentation	Full Paper
ACRS26_ABS_J662331	Environmental Controls of Fire Season Characteristics Across the Elevation Gradient in the Himalaya	Oral Presentation	Full Paper
ACRS26_ABS_J672608	Integrating GeoAI for Spatio-Temporal variations and vulnerability assessment: a Case Study in Barjalah beel wetland, Morigaon district, Assam	Oral Presentation	Full Paper

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ACRS26_ABS_J730277	Geospatial modelling of mangrove plant disease infestation	Oral Presentation	Full Paper
ACRS26_ABS_J779599	TESTAMENTS OF URBAN RAIN ISLAND OVER A TROPICAL MEGACITY, AS EVIDENT FROM THREE DECADES' SUMMER RAINFALL DATA	Oral Presentation	Full Paper
ACRS26_ABS_J840174	Integrating Sentinel-1 SAR and Sentinel-2 Optical Data with Machine Learning for Leaf Area Index Estimation in Organic and Conventional Maize	Oral Presentation	Full Paper
ACRS26_ABS_J853856	Language Vitality Mapping and Revitalization Planning in Tana Luwu: Integrating GIS Technology and Sociolinguistic Analysis	Oral Presentation	Full Paper

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ACRS26_ABS_J914196	Scalable [MS1.1]InSAR Monitoring for Open-cast Coal Mines	Oral Presentation	Full Paper
ACRS26_ABS_K278308	Transformer vs Machine Learning for High-Resolution Crop Classification Using UAV Imagery in Heterogeneous Agro-Horticultural Systems	Oral Presentation	Full Paper
ACRS26_ABS_K365095	Bridging the Gaps: A Structured Review of India's Earth Observation Sector, Covering Data, Capability, and Ecosystem	Oral Presentation	Full Paper
ACRS26_ABS_K479902	Spatial Patterns and Anthropogenic Disturbance of Rhododendron arboreum in the Western Himalaya: A GIS-Based Framework	Oral Presentation	Full Paper

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ACRS26_ABS_K546086	Selective Logging Detection in the Western Ghats Using Sentinel-1 SAR, Sentinel-2 Optical Data, and a Spatio-Temporal Deep Learning Framework	Oral Presentation	Full Paper
ACRS26_ABS_K569802	Rice Biomass Retrieval at Panicle Initiation and Heading Stages Using Dual Polarized Sentinel-1 SAR data	Oral Presentation	Full Paper
ACRS26_ABS_K787221	AI-Driven Super-Resolution for Enhancing Satellite Imagery and Digital Elevation Data	Oral Presentation	Full Paper
ACRS26_ABS_K953491	Automated Physical Topology Inference and AI-Driven Digital Twin Generation of Power Distribution Networks Using High-Resolution Satellite Imagery	Oral Presentation	Full Paper

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ACRS26_ABS_K999310	Satellite-Based Cloud Type Nowcasting for Early Detection of Severe Convective Weather over the Indian Subcontinent	Oral Presentation	Full Paper
ACRS26_ABS_L126693	BhuViveka: Leakage-Aware Adaptation of Prithvi-EO-2.0 to Indian Resourcesat Imagery for GLOF Risk Screening	Oral Presentation	Full Paper
ACRS26_ABS_L132879	Assessment of Kharif Soybean Crop Damage with Physical Feature Fraction and Leaf Area Index (LAI)	Oral Presentation	Full Paper
ACRS26_ABS_L140615	Cloud computing based reservoir sedimentation assessment using multi temporal satellite imagery	Oral Presentation	Full Paper

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ACRS26_ABS_L217791	BhuvanSamvad: A Hybrid Retrieval-Augmented Generation Framework for Geospatial Knowledge Access	Oral Presentation	Full Paper
ACRS26_ABS_L282217	SACTES: A Simplified Atmospheric Correction Temperature -Emissivity Separation framework for land surface temperature retrieval from thermal observations of planned Indo-French	Oral Presentation	Full Paper
ACRS26_ABS_L297178	A Machine Learning and Symbolic Regression Approach to Correct WRF Rainfall	Oral Presentation	Full Paper
ACRS26_ABS_L310610	Multiscale Spatial Coupling of PSInSAR-Measured Land Subsidence, Industrial Development Intensity, and Population Exposure along the Northern Banten Growth Corridor, Indonesia	Oral Presentation	Full Paper

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ACRS26_ABS_L325069	GeoAI-based Urban Flood Decision Support System (GeoAI UF-DSS) for city disaster management- case study of Chennai metropolitan region	Oral Presentation	Full Paper
ACRS26_ABS_L400559	Agentic Geospatial Intelligence for Disaster Risk Assessment: Benchmarking Tabular Foundation Models against Tree-Based Ensembles using POI Data	Oral Presentation	Full Paper
ACRS26_ABS_L498886	Co-production of knowledge on resilience of high-altitude Himalayan forests using earth observation datasets and traditional practices	Oral Presentation	Full Paper
ACRS26_ABS_L573547	In-Channel Modifications using Multi-Criteria Decision Analysis for Managed Aquifer Recharge in the Solani River Basin	Oral Presentation	Full Paper

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ACRS26_ABS_L601461	Development of a water quality monitoring system for Bengaluru's urban and peri-urban lakes using decade-long satellite time series observations	Oral Presentation	Full Paper
ACRS26_ABS_L769205	GIS-Based Spatial Decision Support for Urban Planning through Land Use Change and Surface Runoff Analysis, A Case Study of the Biyagama	Oral Presentation	Full Paper
ACRS26_ABS_L870360	Spatio-temporal coupling of rainfall characteristics and crop stress vulnerability across distinct agro-climatic zones of Andhra Pradesh, India	Oral Presentation	Full Paper
ACRS26_ABS_L938805	Multi-temporal Landsat Monitoring of Permafrost Thaw and Its Hydrological and Geomorphological Implications across the Indian Himalaya (2015–2024)	Oral Presentation	Full Paper

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ACRS26_ABS_L969892	Estimating Urban PM2.5 Concentrations from Multi-Sensor Satellite and Atmospheric Data Using Random Forest Algorithm	Oral Presentation	Full Paper
ACRS26_ABS_L972326	Spatial Distribution and Temporal Trends of CO and SO2 over Indian Industrial Hotspots (2019–2023): Disruption and Recovery in the Energy-Steel Supply	Oral Presentation	Full Paper
ACRS26_ABS_M158373	Identification of Rabi Crop Extents Using PCA-Enhanced Dimension Reduction Approach From Optical Data: A Case Study In Rajasthan State	Oral Presentation	Full Paper
ACRS26_ABS_M174339	Groundwater Potential Zone Mapping Using GIS and Remote Sensing: A Case of Corbett Tiger Reserve, Uttarakhand, India	Oral Presentation	Full Paper

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ACRS26_ABS_M233023	Flood Inundation and Vulnerability Mapping in the Ravi River Basin Using Multi-Temporal SAR data	Oral Presentation	Full Paper
ACRS26_ABS_M380539	Monitoring of Seasonal Groundwater Dynamics based on a hydro-geodetic approach in Punjab, India, from a Continuous GNSS Network	Oral Presentation	Full Paper
ACRS26_ABS_M424316	Classification of Clouds over Oceans using Tri-modal histogram split technique from OCM-3 GAC Imagery	Oral Presentation	Full Paper
ACRS26_ABS_M461818	Groundwater Potential Zone Mapping of Purulia District Using Remote Sensing, GIS and Multi-Criteria Decision Analysis	Oral Presentation	Full Paper

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ACRS26_ABS_M568424	Design, Characterization, Calibration, and Environmental Qualification of TAPAS-1: A Compact 3U-Class LWIR Thermal Imaging Payload for Earth Observation Applications	Oral Presentation	Full Paper
ACRS26_ABS_M631080	GIS Analysis of the Impact of the Integrated Watershed Management Programme on Soil Moisture, Agricultural Land Productivity and Vegetation Growth	Oral Presentation	Full Paper
ACRS26_ABS_M648257	Seasonal Vegetation Dynamics and Monsoon Greening in the Singrauli Coal-Mining Region, India, Using Landsat and Google Earth Engine (2014–2025)	Oral Presentation	Full Paper
ACRS26_ABS_M692208	Influence of topography and land cover on kernel-driven BRDF modeling using integrated GEO and LEO observations	Oral Presentation	Full Paper

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ACRS26_ABS_M701416	Global and National-Scale Assessment of Potential Areas for Purple Yam (<i>Dioscorea alata</i> L.) Cultivation Using EcoCrop Modeling and GIS Analysis	Oral Presentation	Full Paper
ACRS26_ABS_M887040	Evaluation of Integrated EOS-04 and Sentinel-1A Multi-Temporal SAR Data for Rainfed Kharif Crops Classification in Semi-Arid environment of Rajasthan	Oral Presentation	Full Paper
ACRS26_ABS_M930246	Performance evaluation of SMAP Level 4 satellite derived root-zone soil moisture product for monitoring agricultural drought using GEE	Oral Presentation	Full Paper
ACRS26_ABS_M932971	Geospatial Anomaly Localization on UAV-Derived 3D Bridge Models for Structural Health Monitoring 23	Oral Presentation	Full Paper

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ACRS26_ABS_M964241	Towards Operational Flood Mapping with Early NISAR S-Band Observations: A Case Study in Assam, India	Oral Presentation	Full Paper
ACRS26_ABS_M988557	An Earth Observation–Driven Framework for Multidimensional Urban Growth Analysis and Predictive Modeling	Oral Presentation	Full Paper
ACRS26_ABS_N143400	Differential Glacier Response to Climate Change in the Chenab, Beas, and Sutlej Basins (2000–2023) Using Google Earth Engine and Remote Sensing	Oral Presentation	Full Paper
ACRS26_ABS_N154130	Emerging Technologies: Integration of EO, IoT, BIM, and Socio-Economic Data	Oral Presentation	Full Paper

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ACRS26_ABS_N191462	Optimising Pedestrian Thermal Comfort: A Physiological Shortest Path Framework for Microclimate-Aware Routing	Oral Presentation	Full Paper
ACRS26_ABS_N226932	EO-Driven Geospatial Services for Climate-Resilient Urban Governance: LCZ-Based Heat Mitigation in Hyderabad, India	Oral Presentation	Full Paper
ACRS26_ABS_N251092	Rice Transplantation Area Mapping Using Time Series Sentinel-1 Dataset	Oral Presentation	Full Paper
ACRS26_ABS_N259949	Integrating Multi-Sensor Remote Sensing with Large Language Model Interpretation for Real-Time Agricultural Residue Burning Surveillance over Northern India	Oral Presentation	Full Paper

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ACRS26_ABS_N432031	Shoreline Change and Reef Morphodynamics of Van Island, Gulf of Mannar, India	Oral Presentation	Full Paper
ACRS26_ABS_N491939	Thermal Signatures of Volcanic Ash from Recent Volcanic Eruptions in Indonesia	Oral Presentation	Full Paper
ACRS26_ABS_N602943	Texture-Invariant Mineral Mapping on the Moon: Advancing Machine Learning for Hyperspectral Spectroscopy	Oral Presentation	Full Paper
ACRS26_ABS_N649176	Spatial Mapping of Landslide Susceptibility Based on the Integration of Geological Maps and Rock Sampling Checkpoints in Latimojong District	Oral Presentation	Extended Abstract

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ACRS26_ABS_N661289	Polarimetric and Spectral Signatures of Earth Targets: An Analysis of POLDER/PARASOL Data	Oral Presentation	Full Paper
ACRS26_ABS_N661994	Sugarcane Crop Type Discrimination and Agricultural Drought Assessment in Haridwar District Using Time-Series Sentinel-1 SAR and Sentinel-2 Optical Data with	Oral Presentation	Full Paper
ACRS26_ABS_N743364	Development of a Cesium-Based 3D Visualization Platform for Multi-Temporal Sentinel-2 Satellite imagery for Wetland Areas Monitoring in South Korea	Oral Presentation	Full Paper
ACRS26_ABS_N752482	An AI-Driven Geospatial Framework for Cultivar-Level Discrimination and Mapping of Sugarcane Using Multi-Temporal Earth Observation Data	Oral Presentation	Full Paper

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ACRS26_ABS_N802410	Multi-Temporal SAR-Validated Flood Susceptibility Mapping of Assam Using Hybrid AHP-MCDM and RF–XGBoost Ensemble	Oral Presentation	Full Paper
ACRS26_ABS_N877619	Satellite-Derived Surface Condition Change Indices for Assessing Unpaved Road Rehabilitation Outcomes: A GIS and Random Forest Approach Using Sentinel-2 Imagery	Oral Presentation	Extended Abstract
ACRS26_ABS_N919965	Deciphering Particulate Matter Variability in India's National Capital Region Using Explainable Artificial Intelligence and Ensemble Learning	Oral Presentation	Full Paper
ACRS26_ABS_N979667	Lightning Research at NARL : Towards High-Resolution 3D Mapping of Lightning event	Oral Presentation	Extended Abstract

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ACRS26_ABS_O219712	Deep Learning-Based Detection of Paddy Irrigation Anomalies Using RADARSAT-2 Imagery: A Case Study of Malaysian Granaries	Oral Presentation	Full Paper
ACRS26_ABS_O274414	Possibilities and limitations of estimating sea ice thickness with optical sensors onboard satellites	Oral Presentation	Extended Abstract
ACRS26_ABS_O345874	Mapping The Species Diversity Of Mangroves Along The Dynamic Shoreline Of The Krishna Delta	Oral Presentation	Full Paper
ACRS26_ABS_O349531	Design and Evaluation of a Pseudorandom Waveform Library for Low Probability of Intercept Noise Radar Systems	Oral Presentation	Full Paper

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ACRS26_ABS_O380231	Innovative Applications of Remote Sensing for Future Earth: Advancing Transportation and Infrastructure	Oral Presentation	Full Paper
ACRS26_ABS_O423916	Detection of Smoke Aerosols from Satellite-based Polarimetry	Oral Presentation	Full Paper
ACRS26_ABS_O524434	MLP-Based Coastal Water Quality Assessment and Ecosystem Vulnerability Indexing in the Indian Sundarbans Using Available Multi-Source Satellite Data.	Oral Presentation	Full Paper
ACRS26_ABS_O595490	Development of Daily Dynamic Landslide Hazard Index (DDLHI) using Satellite derived Rainfall Extremes for Uttarakhand, India	Oral Presentation	Extended Abstract

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ACRS26_ABS_O811603	Cross-Attention Fusion and Knowledge Distillation of SAR and SAR-Derived Optical Representations for Cloud-Resilient Built-up Area Segmentation	Oral Presentation	Full Paper
ACRS26_ABS_O864115	Urban Dynamics: integrated with Land Surface Temperature, Built-up Intensity across wards and ANN-MOLUSCE in Kolkata Municipal Corporation: A Geospatial Approach	Oral Presentation	Full Paper
ACRS26_ABS_O904415	Machine Learning based Assessment and Prediction of Land Surface Temperature in Central Punjab, India	Oral Presentation	Full Paper
ACRS26_ABS_O930122	Estimation of LOS Deformation and Coherence Change Detection of Myanmar Earthquake (Mw 7.7) using SAR Interferometry	Oral Presentation	Full Paper

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ACRS26_ABS_O972829	AI-Enabled Real-Time Forest Fire Early Warning System for Disaster Risk Reduction	Oral Presentation	Full Paper
ACRS26_ABS_P302326	Machine Learning-Driven Blue Carbon Stock Assessment in Mangrove Ecosystems Using Multi-Sensor Remote Sensing: Insights from Pichavaram, South Eastern India.	Oral Presentation	Full Paper
ACRS26_ABS_P391553	Rapid Intensification of Tropical Cyclones over the North Indian Ocean: A Satellite Perspective	Oral Presentation	Full Paper
ACRS26_ABS_P458343	Multi-Objective Transmission Line Routing Using Risk-Aware Ant Colony Optimization	Oral Presentation	Full Paper

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ACRS26_ABS_P519626	Multi Criteria-based Vulnerability Assessment of Mining induces Land Degradation in Aravalli's of India using Geospatial Approach	Oral Presentation	Full Paper
ACRS26_ABS_P527892	Wind Hazard Zonation and Intensification Energetics of Recent Tropical Cyclones over the Indian Subcontinent	Oral Presentation	Full Paper
ACRS26_ABS_P584874	Do the SAR and Optical Encoders Agree? Explaining a Cross Sensor Foundation Model for Trustworthy Land Use / Land Cover Mapping	Oral Presentation	Full Paper
ACRS26_ABS_P592080	The Nitrate Paradox: Fertiliser–Groundwater Decoupling Across Haryana's Stressed Aquifers (2010–2023)	Oral Presentation	Full Paper

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ACRS26_ABS_P738859	An integrated multi-sensor Geo-AI framework for urban water quality monitoring.	Oral Presentation	Full Paper
ACRS26_ABS_P823201	Dual-Pipeline Unsupervised Hyperspectral Fusion of PRISMA, Sentinel-2 and PlanetScope for Fine-Scale Forest Ecosystem Mapping	Oral Presentation	Full Paper
ACRS26_ABS_P900515	Early Detection of Cotton Crop Anomalies through Satellite-Derived NDVI Prediction Using SARIMAX, Random Forest, XGBoost, and LSTM	Oral Presentation	Full Paper
ACRS26_ABS_P904209	Seasonal and inter-annual budgets of water storage of the Indian maritime domain using Satellite and In Situ Observations during recent decade	Oral Presentation	Full Paper

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ACRS26_ABS_P943682	Machine Learning based Digital Soil Mapping approach for Spatial Soil Quality Assessment in the Himalayan region	Oral Presentation	Full Paper
ACRS26_ABS_Q116368	Automated Rule-Based Rice Crop Mapping Using Multi-Temporal Polarimetric Sentinel-1 SAR Data over the Himalayan Agroecosystem of Ziro Valley, India	Oral Presentation	Full Paper
ACRS26_ABS_Q151568	A Web-Based Geospatial Flood Monitoring and Digital Twin Platform	Oral Presentation	Full Paper
ACRS26_ABS_Q221131	Distance-Image-based Scan Matching for 3D SLAM Using a Hemispherical LiDAR	Oral Presentation	Full Paper

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ACRS26_ABS_Q227102	Mapping Urban Ecological Exposure Along Mobility Corridors in Jakarta Using Multi-Sensor Remote Sensing and Open Transit Data	Oral Presentation	Full Paper
ACRS26_ABS_Q232197	Assessment of Global and Multitemporal SGLI Albedo Products in Comparison with MODIS Products	Oral Presentation	Extended Abstract
ACRS26_ABS_Q250614	Design and FPGA Development of Scalable and Real-Time Digital FFT Spectrometer for Next Generation Millimeter-Wave Atmospheric Sounder	Oral Presentation	Full Paper
ACRS26_ABS_Q328229	Spaceborne Spectral and Thermal Datasets for REE Mapping Using Machine Learning Techniques: A Case Study on Siwana RingComplex, Rajasthan, India	Oral Presentation	Full Paper

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ACRS26_ABS_Q577494	A Geospatial Assessment of Thermal Inequality and Urban Planning Disparities in Delhi using Earth Observation	Oral Presentation	Full Paper
ACRS26_ABS_Q668048	Development of Algorithms for Retrieval of Atmospheric Temperature and Humidity Profiles for ISRO's Microwave Sounders	Oral Presentation	Extended Abstract
ACRS26_ABS_Q719556	RT-FIRE: A Real-Time VIIRS Active Fire Product Generation and Visualization Framework for Operational Disaster Management	Oral Presentation	Full Paper
ACRS26_ABS_Q871921	Ship Detection and Size Estimation Using Multi-Frequency SAR Data: A Comparative Study over Mangalore Port, West Coast of India	Oral Presentation	Full Paper

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ACRS26_ABS_Q881409	Landslide Susceptibility Mapping Using Random Forest, Logistic Regression, and XGBoost: A Comparative Study	Oral Presentation	Full Paper
ACRS26_ABS_Q909974	Optical–SAR Synergy for High-Resolution Paddy Yield Mapping Using an Efficiency-Based Semi-Physical Model	Oral Presentation	Full Paper
ACRS26_ABS_Q913722	Forest Disturbance Analysis Using NISAR Data Supported By Advanced Deep Learning Models	Oral Presentation	Full Paper
ACRS26_ABS_Q940275	Decoding Global Transpiration Controls Using Physically Constrained Remote Sensing and Explainable AI	Oral Presentation	Full Paper

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ACRS26_ABS_Q945200	Krishnomics-AI: An Agentic GeoAI Framework for Smart Crop Procurement, Agricultural Intelligence, and Farmer-Centric Decision Support in Haryana, India	Oral Presentation	Full Paper
ACRS26_ABS_Q946944	Multi-Temporal Classification of Siamese Rosewood Using Random Forest and Sentinel-2 Imagery in Trat Province, Thailand	Oral Presentation	Full Paper
ACRS26_ABS_Q978834	An Agentic AI Framework for Autonomous GCI Monitoring: MCP-Orchestrated Multi-Agent Workflows for Highway Vegetation Analysis	Oral Presentation	Full Paper
ACRS26_ABS_Q989714	Potato Crop Mapping using Sentinel-2 and Multi-Classifer Ensemble technique with Google Earth Engine	Oral Presentation	Full Paper

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ACRS26_ABS_R105659	Design and Implementation of Hybrid Software Engine for Quantum Key Distribution and Cryptography	Oral Presentation	Full Paper
ACRS26_ABS_R188754	Improving the Vertical Accuracy of Open-Access DEMs Using ICESat-2 ATL08 Data: A Case Study of Kullu District	Oral Presentation	Full Paper
ACRS26_ABS_R192687	MARITIME VESSEL DETECTION USING SYNTHETIC APERTURE RADAR IMAGERY AND YOLOv11	Oral Presentation	Full Paper
ACRS26_ABS_R391006	Rapid Flood Extent Mapping Using SAR–Optical Data Fusion in Google EarthEngine: A Multisource Cloud-Based Framework with Sentinel-1 and Sentinel-2	Oral Presentation	Full Paper

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ACRS26_ABS_R460591	SPATIAL ANALYSIS OF LANDSLIDE VULNERABILITY ZONING USING WEIGHT OF EVIDENCE (WOE) IN THE WALANAE AND LISU SUBWATERSHED, INDONESIA	Oral Presentation	Full Paper
ACRS26_ABS_R473630	Phenology-Based Deep Learning Framework for Forest Health Assessment and Restoration Site Identification Using Multi-Temporal Sentinel-2 Data: A Case Study of	Oral Presentation	Full Paper
ACRS26_ABS_R575598	When Does Hyperspectral Mapping of Informal Settlements Work? Spatial Resolution, Direct-Transfer Failure, and Spectral-Spatial Fusion in AVIRIS-NG under Weak Supervision	Oral Presentation	Full Paper
ACRS26_ABS_R661619	Behaviour of Hyperspectral Target Detection Algorithms for Multi-scale Bauxite Mapping: A Comparative Study Using EMIT, PRISMA and UAV Data	Oral Presentation	Full Paper

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ACRS26_ABS_R750391	A Grid-Based 3D Framework for Building Integrated Photovoltaic Potential (BIPV) Assessment Using LOD-1 City Models	Oral Presentation	Full Paper
ACRS26_ABS_R754410	INSAR TROPOSPHERIC STRATIFIED AND TURBULENT DELAYS JOINT CORRECTION USING GNSS ZENITH TROPOSPHERIC DELAY PRODUCTS	Oral Presentation	Full Paper
ACRS26_ABS_R877702	Earth Observation-Based Assessment of Municipal Congestion Susceptibility Using Landscape Metrics and Road Network Intelligence Indices	Oral Presentation	Full Paper
ACRS26_ABS_S181529	National-Scale Annual Rice Paddy Mapping in Indonesia (1990–2024) Using Multi-Generational Landsat Data.	Oral Presentation	Full Paper

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ACRS26_ABS_S181541	Seismic Risk Assessment of UNESCO Heritage sites of India	Oral Presentation	Full Paper
ACRS26_ABS_S213695	COMPARATIVE EVALUATION OF THE BRAY–CURTIS SPECTRAL MATCHING METRIC FOR HYPERSPECTRAL DISCRIMINATION OF VEGETATION SPECIES AND MINERAL VARIANTS	Oral Presentation	Full Paper
ACRS26_ABS_S305959	Intelligent interpretation and prospecting model construction of rare metals based on Satellite-UAV-Ground-Core multi-platform hyperspectral data	Oral Presentation	Full Paper
ACRS26_ABS_S478632	High-Frequency Settlement Mapping from 10 m Imagery Using a Multi-Scale Dilated CNN with Vegetation-Aware Loss	Oral Presentation	Full Paper

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ACRS26_ABS_S538385	A Multi-Dimensional Remote Sensing Framework for Environmental Management: Integrating Urbanization, Tourism Vulnerability, and Spatial Dynamics	Oral Presentation	Full Paper
ACRS26_ABS_S554694	EMIT Hyperspectral Detection of Ferric Alteration Associated with Hydrocarbon Microseepage in the Cambay-Tarapur Block, Gujarat, India	Oral Presentation	Full Paper
ACRS26_ABS_S576480	A GIS-based framework for assessing accessibility to social infrastructure: A 15-minute city perspective	Oral Presentation	Full Paper

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ACRS26_ABS_S635276	Hyperspectral Assessment of Post-Fire Soil Carbon and Ecohydrological Properties Using Multivariate Analysis	Oral Presentation	Full Paper
ACRS26_ABS_S699268	GIS-Based Property-Level Mapping Using Remote Sensing and Video-Geotagging: The Ludhiana Smart City Experience	Oral Presentation	Full Paper
ACRS26_ABS_S837762	From Widespread to a Localized Stronghold: A Review of 40-Year Population Decline, Threats and Conservation of the Great Indian Bustard	Oral Presentation	Full Paper

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ACRS26_ABS_S887643	An AI-Powered Digital Public Infrastructure for Agriculture: Satellite Intelligence at Scale	Oral Presentation	Full Paper
ACRS26_ABS_T132643	NSA-AT: Adversarial Sparse-Attention Transformer for Electro-Optical Payload Anomaly Detection	Oral Presentation	Full Paper
ACRS26_ABS_T142567	Assessing the Blue Carbon Ecosystem for Coastal Resilience Using Geospatial Techniques: A Case Study of Chargheri Village, Indian Sundarbans	Oral Presentation	Full Paper

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ACRS26_ABS_T226408	Integrating GEDI Spaceborne LiDAR and SAR Data for Regional-Scale Forest Canopy Height and Above Ground Biomass Estimation	Oral Presentation	Full Paper
ACRS26_ABS_T226898	Season-Dependent Thermal Inversions and Radiative Forcing Associated with Utility-Scale Photovoltaic Infrastructure in Western Rajasthan	Oral Presentation	Full Paper
ACRS26_ABS_T238447	Unmixing Using BRDF of Land Covers for Global Albedo Estimation	Oral Presentation	Extended Abstract
ACRS26_ABS_T258506	FOREST COVER DYNAMICS IN PURULIA, WEST BENGAL: A REMOTE SENSING AND GIS-BASED ANALYSIS (2014 – 2024)	Oral Presentation	Full Paper

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ACRS26_ABS_T262476	Geospatial Modeling of Wheat Yield across Haryana using Satellite Remote Sensing Data	Oral Presentation	Full Paper
ACRS26_ABS_T369586	An Automated Image to Geospatial Framework for Identifying Seasonal Wave Energy Resource Zones from Satellite Derived Climatological Maps	Oral Presentation	Full Paper
ACRS26_ABS_T417222	A Scalable Distributed DL Framework for Large Area Mapping of Horticulture Plantations	Oral Presentation	Full Paper
ACRS26_ABS_T459500	Flood Inundation Mapping, Impact Assessment and Floodwater Depth Estimation of the July 2023 Delhi (Yamuna) Flood Using Sentinel-1 SAR on Google	Oral Presentation	Extended Abstract

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ACRS26_ABS_T542974	Operational Framework for an AI-driven Marine Environmental Management System Using Multi-Satellite Imagery	Oral Presentation	Extended Abstract
ACRS26_ABS_T713846	Leveraging Technology to resolve Crop Insurance yield disputes under PMFBY: Insights from Rajasthan	Oral Presentation	Full Paper
ACRS26_ABS_T758886	Calibration of a Low-Cost Capacitive Soil Moisture Sensor for Volumetric Water Content Estimation in Red and Black Soils	Oral Presentation	Full Paper

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ACRS26_ABS_T824015	DETECTION AND MONITORING OF SALINE BLANKS IN THE SUNDARBAN BIOSPHERE RESERVE USING MULTI-DECADAL LANDSAT DATA	Oral Presentation	Full Paper
ACRS26_ABS_T853197	From Strikes to Statistics: A Multi-Model Time Series Approach to Forecasting Lightning Over India	Oral Presentation	Full Paper
ACRS26_ABS_T874935	Flood Susceptibility Mapping via AHP-Weighted Overlay in GEE: SAR-Validated Framework for Kuala Lumpur	Oral Presentation	Full Paper
ACRS26_ABS_T959709	A GIS-Based Hydrological Framework for Flood Assessment in the Damodar Valley Corporation Region: A Case Study of Durgapur	Oral Presentation	Full Paper

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ACRS26_ABS_T970808	Rapid Flood Mapping with upscaled and downscaled Sentinel-2 multispectral bands	Oral Presentation	Extended Abstract
ACRS26_ABS_T972585	Earth Observation and GIS for Groundwater-Security Assessment and Managed Aquifer Recharge Siting in Tiruchirappalli District, Tamil Nadu	Oral Presentation	Full Paper
ACRS26_ABS_U232785	AI-Driven Dual-Model Framework for Remote Sensing-Based Black Spot Detection and Severity Prediction on National Highways	Oral Presentation	Full Paper
ACRS26_ABS_U441640	GIS-Based Impact Assessment of Potential Multisectoral Flood Losses in Luwu Regency, Indonesia	Oral Presentation	Full Paper

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ACRS26_ABS_U501900	Forecasting Urban Land-Use Efficiency from Earth Observation Time Series with Uncertainty-Aware Deep Learning	Oral Presentation	Full Paper
ACRS26_ABS_U551436	Temporal Radiometric Characterization of EOS-04 C-band SAR ARD Products over Homogeneous and Diverse Land-Cover Targets	Oral Presentation	Full Paper
ACRS26_ABS_U587289	Assessing Future Water Demand for Agriculture under Climate Change example from Sub-Sahara Africa	Oral Presentation	Extended Abstract
ACRS26_ABS_U607546	An Efficient Sub-Nyquist Sampling-Based ISTA-NET+ Framework for SAR Image Reconstruction	Oral Presentation	Full Paper

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ACRS26_ABS_U690315	Mitigating Operational Risks at the Sultan Azlan Shah Power Station: A Satellite-Based 72-Hour Early Warning System for Jellyfish Ingress	Oral Presentation	Full Paper
ACRS26_ABS_U753041	Integration of Vegetation Indices and Machine Learning Techniques for Crop Type Classification and Area Estimation Using Sentinel-2 Imagery	Oral Presentation	Full Paper
ACRS26_ABS_U793751	From Spatial data to Geo-Intelligence: The Convergence of Computer Science and GIScience in Scalable Geospatial Systems	Oral Presentation	Extended Abstract
ACRS26_ABS_U888807	Urban Mapping and Spatial Analytics Using Multi-Source Earth Observation Data: An Integrated Framework for GeoAI-Powered Urban Intelligence	Oral Presentation	Full Paper

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ACRS26_ABS_V141735	A Mobile App Based Deep Learning Framework for Tomato Crop Growth Monitoring and Yield Estimation in Polyhouse Environment	Oral Presentation	Full Paper
ACRS26_ABS_V142730	Integration Remote Sensing, Causal Analysis, Machine Learning and CMIP6 Climate Projections for Spatio-Temporal Assessment of Ecological Drought in Rajasthan, India.	Oral Presentation	Full Paper
ACRS26_ABS_V226986	AHP Based Suitability Mapping of Aromatic Crops in Tehri Garhwal, Uttarakhand	Oral Presentation	Full Paper
ACRS26_ABS_V265210	An Integrated SegFormer-SAM Geospatial Workflow for Automated Building Footprint Extraction and GIS-Ready Vectorization from UAV and Aerial GeoTIFF Imagery	Oral Presentation	Full Paper

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ACRS26_ABS_V373247	AI-powered Digital Public Infrastructure for Multi-Hazard Disaster Risk Intelligence and Operational Decision Support	Oral Presentation	Full Paper
ACRS26_ABS_V450838	Predictive "What-If" Simulation Modelling of Port Logistics Utilising Satellite-Derived Spatiotemporal parameters	Oral Presentation	Full Paper
ACRS26_ABS_V521179	Transforming Agricultural Mapping: The Impact of Vegetation Indices on Cropland Accuracy	Oral Presentation	Full Paper
ACRS26_ABS_V532946	Multi-Temporal Change Detection on the Martian Surface Using Multi-Sensor Orbital Datasets and Classical–Deep Learning Techniques	Oral Presentation	Full Paper

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ACRS26_ABS_V539564	PRE-IGNITION WILDFIRE FORECASTING IN THE UTTARAKHAND HIMALAYA USING MULTI-SOURCE EARTH OBSERVATION, MACHINE LEARNING, AND ATTENTION-BASED DEEP LEARNING	Oral Presentation	Full Paper
ACRS26_ABS_V552762	Predicting Apple Cultivation Suitability Using Maximum Entropy Modelling in Uttarkashi, Uttarakhand	Oral Presentation	Full Paper
ACRS26_ABS_V709967	Glacier Facies Segmentation in Fully Polarized SAR Image – A Deep Learning Approach with Hybrid Loss Function	Oral Presentation	Full Paper
ACRS26_ABS_V721033	Jal Drishti: Satellite-Driven National Water Quality Intelligence for India	Oral Presentation	Full Paper

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ACRS26_ABS_V860945	Combining Sentinel-1 and Sentinel-2 Data for Multi-Temporal analysis of Nalsarovar and Thol Wetlands	Oral Presentation	Full Paper
ACRS26_ABS_V872293	Boresight calibration of Airborne cameras for Direct georeferencing of images	Oral Presentation	Full Paper
ACRS26_ABS_V942214	Impact of Dataset Quality on PointNet++ for Object Segmentation in Aerial LiDAR Point Clouds	Oral Presentation	Full Paper
ACRS26_ABS_V972489	Beyond Aggregate Accuracy: Analyzing City- and Class-Dependent Behaviour of Optical-SAR Fusion for Local Climate Zone Classification	Oral Presentation	Full Paper

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ACRS26_ABS_V973180	Spatio-Temporal Assessment of Surface Water Extent and Groundwater Storage Dynamics in Telangana	Oral Presentation	Full Paper
ACRS26_ABS_W207364	Lightning Incidents in India: Mortality-Validated, Multi-Resolution Study of a Shifting Hazard (2012–2024)	Oral Presentation	Full Paper
ACRS26_ABS_W340931	Remote sensing based assessment of Carbon stock, Carbon Fixation and Methane emissions from Summer Paddy Crop of Gondia District, Maharashtra	Oral Presentation	Full Paper
ACRS26_ABS_W375427	Design and Development of a Wireless Multi-Node Vibration Monitoring System	Oral Presentation	Full Paper

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ACRS26_ABS_W499329	Varietal Discrimination of Basmati and Non-Basmati Paddy Using Sentinel-1 and Sentinel-2: A Case Study of Karnal, Haryana	Oral Presentation	Full Paper
ACRS26_ABS_W520100	Urban Development Pressure and Land Suitability Assessment in Colombo Using Night-Time Light Data and LUCIS	Oral Presentation	Full Paper
ACRS26_ABS_W580164	GIS Based Real time Fire Detection and Anti Fire Simulation System	Oral Presentation	Full Paper
ACRS26_ABS_W582793	Satellite-Based Water-Quality Assessment of Selected Lakes in Tamil Nadu Using Google Earth Engine and Explainable Machine Learning	Oral Presentation	Full Paper

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ACRS26_ABS_W667463	AN ACTION PLAN FOR THE REJUVENATION OF WATER BODIES IN THE HAMIRPUR DISTRICT OF THE BUNDELKHAND REGION, UTTAR PRADESH, INDIA, USING SPACE TECHNOLOGY	Oral Presentation	Full Paper
ACRS26_ABS_W668273	Spatiotemporal Assessment of Urban Flood Susceptibility for Resilience Planning: a Google Earth Engine approach in Varanasi, India.	Oral Presentation	Full Paper
ACRS26_ABS_W671255	Impact Of Vegetation Change On Atmospheric CO2 Concentration Over Central Indian Region	Oral Presentation	Full Paper
ACRS26_ABS_W682706	TOMATO CROP MAPPING USING MULTI-SENSOR OPTICAL AND SAR DATA	Oral Presentation	Full Paper

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ACRS26_ABS_W729201	Early Detection of Drought-Induced Stress in Green Gram Using Continuous Sun-Induced Chlorophyll Fluorescence (SIF)	Oral Presentation	Extended Abstract
ACRS26_ABS_W752069	Calibrated Weak Supervision for Post-Harvest Burned-Cropland Mapping under Label Scarcity	Oral Presentation	Full Paper
ACRS26_ABS_W808740	Urban Expansion Trajectories in Satellite Towns around Jaipur City: A Spatio-Temporal Assessment Using Remote Sensing and GIS	Oral Presentation	Full Paper
ACRS26_ABS_W819624	Agentic Conversational AI for Earth Observation: Autonomous Soil Moisture Analysis Across India.	Oral Presentation	Full Paper

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ACRS26_ABS_W841541	An Insight into Grid vs Per-pixel Processing of Spaceborne Thermal Imagery Based on a Photogrammetric Collinearity Model	Oral Presentation	Full Paper
ACRS26_ABS_W906666	Crop Acreage and Yield Estimation Using Geospatial Techniques	Oral Presentation	Full Paper
ACRS26_ABS_W999410	Quantitative Characterization of Earthquake-Induced Landslides Using Multi-Parameter Evaluation	Oral Presentation	Full Paper
ACRS26_ABS_X103623	Evaluation of Hemispherical 3D LiDAR for Waterborne Mobile Mapping Systems	Oral Presentation	Full Paper

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12TH - 16TH OCTOBER, 2026 | HOTEL TAJ VIVANTA, DWARKA, NEW DELHI, INDIA

ACRS26_ABS_X178611	Vegetation Segmentation from Satellite Imagery: A Comparative Study of Spectral, Index-Based and Knowledge-Guided Deep Learning Approaches	Oral Presentation	Full Paper
ACRS26_ABS_X180194	Visual SLAM with Integrated Spatial and Temporal Multi-Baselines Using a Triplet Camera	Oral Presentation	Full Paper
ACRS26_ABS_X209965	A YOLOv8 Framework for Urban Infrastructure Anomaly Detection Using UAV-Acquired RGB Imagery	Oral Presentation	Full Paper
ACRS26_ABS_X212984	Beyond Class-Averaged Thresholds: Localized SAR Backscatter Anomalies for Flood Detection in Chennai's Heterogeneous Urban Landscape	Oral Presentation	Full Paper

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ACRS26_ABS_X308570	Analysis of Individual Street Light Observability in SDGSAT-1 Nighttime Satellite Data over Highway Corridors	Oral Presentation	Full Paper
ACRS26_ABS_X325086	A Satellite Data based Hybrid Modelling Framework for Gap-filled Vegetation Gross Primary Productivity Estimation using Deep Learning	Oral Presentation	Full Paper
ACRS26_ABS_X389237	Water Accounting Framework for Assessing Scale-invariant Water Resources	Oral Presentation	Full Paper
ACRS26_ABS_X444643	Spatial and Temporal Analysis of Desert Locust Disaster Threat for Emergency Response in Kenya	Oral Presentation	Full Paper

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ACRS26_ABS_X497225	Application of Parameterised Quantum Circuits for Statistical Downscaling of CMIP6 Precipitation over India	Oral Presentation	Full Paper
ACRS26_ABS_X594427	Tidal Hydroperiod as the Dominant Driver of Mangrove Phenology: A Comparative Study Across Macro- and Meso-Tidal Coastal India	Oral Presentation	Full Paper
ACRS26_ABS_X624786	High Temperature Surface Coal Fire Detection using Deep Learning Techniques in Jharia Coalfield, India	Oral Presentation	Full Paper
ACRS26_ABS_X675598	Climate Change and Climate Impact of Hindu Kush Himalaya for Sustainable Agriculture	Oral Presentation	Full Paper

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ACRS26_ABS_X720949	Decadal Spatiotemporal Analysis of Forest Fires in Uttarakhand: A Pathway to Assessing Forest Resilience (2015–2025)	Oral Presentation	Full Paper
ACRS26_ABS_X774238	Development of a Web GIS-Based Framework for Optimizing Cadastral Data Processing, Quality Assurance, and Spatial Database Integration	Oral Presentation	Full Paper
ACRS26_ABS_XX02464	A DEEP LEARNING FRAMEWORK FOR AUTOMATED FARM BOUNDARY DELINEATION USING PLANET SUPERDOVE IMAGERY	Oral Presentation	Full Paper
ACRS26_ABS_XX02465	PS-InSAR Based Structural Deformation Monitoring of Heritage Structures Using TerraSAR-X Data for Gol Gumbaz and Lalitha Mahal Palace in India	Oral Presentation	Full Paper

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ACRS26_ABS_Y153130	Assessing the Relationship Between Urban Development and Land Subsidence in Joshimath Using SBAS-InSAR and GIS (2022-2024)	Oral Presentation	Full Paper
ACRS26_ABS_Y163995	Temporal Patterns and Risk Mapping of Forest Fires and Forest degradation in Maharashtra (2018–2023)	Oral Presentation	Full Paper
ACRS26_ABS_Y318639	Physics-Based Cross-Calibration of INSAT-3DS Imager Thermal Radiance with Landsat 9 TIRS-2 Bands Over Indian Terrain	Oral Presentation	Full Paper
ACRS26_ABS_Y382792	SWINSHIFT CD: TRACKING TERRESTRIAL TRANSFORMATION WITH SHIFTED WINDOWS	Oral Presentation	Full Paper

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ACRS26_ABS_Y411558	Generative Reconstruction of Cloud-Obscured LISS-IV Satellite Imagery Using SAR-Optical Fusion	Oral Presentation	Full Paper
ACRS26_ABS_Y416756	A Google Earth Engine-Based Framework for Quantifying Pollution Dynamics over Rice Residue Burning Hotspots Using a Composite Pollution Index (2020–2025)	Oral Presentation	Full Paper
ACRS26_ABS_Y450893	Lens: Training-Free Semantic Search for Cross-Tile Object and Scene Retrieval in Satellite Imagery	Oral Presentation	Full Paper
ACRS26_ABS_Y457371	Automated Stress Phenotyping of Citrus in Western Rajasthan: A WebGIS Framework Fusing UAV Hyperspectral and Point Cloud Data	Oral Presentation	Extended Abstract

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ACRS26_ABS_Y457520	Retrieval and Evaluation of Vegetation Optical Depth from GNSS-IR Observations over Telangana, India.	Oral Presentation	Full Paper
ACRS26_ABS_Y475251	Quantifying Geometric Complexity in Photogrammetric Point Cloud: A PCA-Based Difficulty Score for Detecting Challenging Regions	Oral Presentation	Full Paper
ACRS26_ABS_Y561688	Spatio-Temporal Assessment of Water Balance Components in the Sarasvati River Catchment Using SWAT to Support Sarasvati River Rejuvenation Planning	Oral Presentation	Full Paper
ACRS26_ABS_Y591388	Sentinel-1A Coherence Screening and Pixel Offset Tracking for Large-Landslide Activity Monitoring at Caoling and Mataian, Taiwan	Oral Presentation	Full Paper

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ACRS26_ABS_Y594721	Study on Use Cases of Pi-SAR X3: A Full-Polarimetric X-band Airborne SAR with 15-cm Resolution	Oral Presentation	Full Paper
ACRS26_ABS_Y633603	Assessment of Present and Future Groundwater Vulnerability Using DRASTIC and SINTACS Models Integrated with Land Use/Land Cover Dynamics in the	Oral Presentation	Full Paper
ACRS26_ABS_Y724733	Spatiotemporal Assessment of Total Consumptive Water Use in the Yamuna and Tapi River Basins Using Earth Observation Data	Oral Presentation	Full Paper
ACRS26_ABS_A129050	Development of Volume Equations for Shorea robusta Using Terrestrial Laser Scanning in Meghalaya, India	Poster Presentation	Extended Abstract

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ACRS26_ABS_A483090	Two-dimensional imaging of the tsunami caused by the 29 July 2025, Mw 8.8 Kamchatka earthquake from SWOT	Poster Presentation	Extended Abstract
ACRS26_ABS_A500874	TRIP: An LLM-Augmented Travel Itinerary Recommendation Engine for Personalized Itinerary Generation in North East India	Poster Presentation	Extended Abstract
ACRS26_ABS_A542694	HYPERSPECTRAL DISCRIMINATION OF SHALLOW WATER CORALS OF AGATTI ISLAND	Poster Presentation	Extended Abstract
ACRS26_ABS_A655889	Spatiotemporal Dynamics of Urban expansion, Land Surface Temperature and Biophysical Architecture of Kolleru Ramsar site	Poster Presentation	Extended Abstract

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ACRS26_ABS_A666124	Integrated SBAS-InSAR and Digital Change Mapping for Monitoring Rock Glacier Dynamics and Assessing Surface Deformation	Poster Presentation	Extended Abstract
ACRS26_ABS_A838977	Geospatial Analysis and Field-Scale Decision Support for Sustainable Management of Salt-Affected Soils under Different Crop Rotations in Haryana	Poster Presentation	Extended Abstract
ACRS26_ABS_B422899	Assessment of Vertical Forest Phenology and Structural Complexity in Tropical Wet Evergreen Forest of Northeast India Using GEDI-Derived Structural Metrics	Poster Presentation	Extended Abstract
ACRS26_ABS_B622798	Morphometric-Based Prioritization of Erosion-Prone Sub-Watersheds in the Amlawa River Basin, Garhwal Himalaya, India.	Poster Presentation	Extended Abstract

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ACRS26_ABS_B939090	Nitrogen Treatment Distinction for Mentha arvensis using UAV-based Hyperspectral imaging	Poster Presentation	Extended Abstract
ACRS26_ABS_C322038	Validation of INSAT-3D Cloud Mask Performance Using Multi-Satellite Observations over the Indian Region	Poster Presentation	Extended Abstract
ACRS26_ABS_C332194	PHYSICS-BASED FORWARD MODELLING FOR REAL-TIME IDENTIFICATION OF CROPS IN HYPERSPECTRAL IMAGES	Poster Presentation	Extended Abstract
ACRS26_ABS_C339194	Geospatial Modeling of Sediment Mobility and Connectivity in the Kosi River Basin Using Topographic and Climatic-LULC Variables	Poster Presentation	Extended Abstract

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ACRS26_ABS_C576359	Characterizing the deep convective storms over Southeast Asia using spaceborne doppler radar	Poster Presentation	Extended Abstract
ACRS26_ABS_C924575	Improving rice crop residue biomass estimation through synergistic use of optical and radar remote sensing data	Poster Presentation	Extended Abstract
ACRS26_ABS_D414539	Comparative assessment of methane emissions from metropolitan cities landfill using EnMAP satellite data	Poster Presentation	Extended Abstract
ACRS26_ABS_D418621	Integrated Remote Sensing and WebGIS-Based Assessment of Vegetation Dynamics in High-Altitude Wetland	Poster Presentation	Extended Abstract

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ACRS26_ABS_D461802	Investigating Seasonal Fuel Moisture Dynamics in Western Himalaya Using Multi-Sensor Earth Observation Data	Poster Presentation	Extended Abstract
ACRS26_ABS_D762225	Monitoring Wetland Dynamics Using Sentinel-1 Data: A Case Study of Nalsarovar and Thol Wetlands	Poster Presentation	Extended Abstract
ACRS26_ABS_D881512	Explainable Machine Learning for Assessing Flood Recurrence within Paleochannels during the 2025 Punjab Flood	Poster Presentation	Extended Abstract
ACRS26_ABS_E455420	Explainable Geospatial Artificial Intelligence Based Forest Fire Susceptibility Assessment for Disaster Risk Reduction in a Protected Area	Poster Presentation	Extended Abstract

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ACRS26_ABS_E491703	Performance Comparison of Single and Multi-LiDAR Systems for Urban Forest Mapping	Poster Presentation	Extended Abstract
ACRS26_ABS_E637233	Improving Forest Gross Primary Productivity Estimation by Integrating Sun-Induced Chlorophyll Fluorescence into Light Use Efficiency Models	Poster Presentation	Extended Abstract
ACRS26_ABS_E919302	Remote sensing observations of cloud-precipitation properties and dynamics associated during rainfall events of monsoon 2025 over central India	Poster Presentation	Extended Abstract
ACRS26_ABS_F205872	A Multi-Sensor Framework for Continuous Monitoring of Coral Reef Dynamics and Environmental Drivers at Luconia Shoals National Park, Malaysia	Poster Presentation	Extended Abstract

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ACRS26_ABS_G143753	Analysis of Spatial Variations in Local Population Distribution from the Perspectives of Land-Use Change and Household Size	Poster Presentation	Extended Abstract
ACRS26_ABS_G639959	Quantifying Active Crustal Deformation at the Shillong Plateau-Indo-Myanmar Range Junction using DEM-Derived Geomorphic Indices	Poster Presentation	Extended Abstract
ACRS26_ABS_G649555	Application of DInSAR in Earthquake Studies	Poster Presentation	Extended Abstract
ACRS26_ABS_G794514	DEVELOPMENT OF A FOREST DIGITAL TWIN FOR MODELLING TROPICAL DECIDUOUS FOREST PHENOLOGY	Poster Presentation	Extended Abstract

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ACRS26_ABS_H119320	Sustainable Development and Environmental Degradation: A Computational Approach based on Entropy Index	Poster Presentation	Extended Abstract
ACRS26_ABS_H433614	Machine Learning Emulator of Radiative Transfer Simulations for Real-Time Global Land Surface Temperature Retrieval from Thermal Infrared Satellite Observations	Poster Presentation	Extended Abstract
ACRS26_ABS_H504954	Investigation of Submesoscale and Mesoscale Eddy Variability in the north Indian Ocean Using SWOT and Multi-Mission Satellite Altimetry	Poster Presentation	Extended Abstract
ACRS26_ABS_H534895	Spatial mapping of soil quality index (SQI) in Nalgonda district of Telangana	Poster Presentation	Extended Abstract

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ACRS26_ABS_H828759	GeoMCP: A Model Context Protocol Framework for Interoperable and Agentic Geospatial Analysis Workflows in Earth Observation	Poster Presentation	Extended Abstract
ACRS26_ABS_H842905	Atmospheric temperature, NO2 and CO concentration affect COVID-19 mortality in Punjab (India)	Poster Presentation	Extended Abstract
ACRS26_ABS_H868428	Geospatial Modelling of Habitat Quality Dynamics and Potential Driving Factors: A Study in Eastern Himalayan Landscape	Poster Presentation	Extended Abstract
ACRS26_ABS_H955024	Spatial Variability of Rock Glacier Deformation Across the Indian Himalaya: A DCM and LST-Based State-wise Comparative Study	Poster Presentation	Extended Abstract

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ACRS26_ABS_H959117	Deriving Optimal Threshold for Drainage Network Extraction for Large-scale Topographical Mapping using UAS DTM	Poster Presentation	Extended Abstract
ACRS26_ABS_I184252	Spatio-Temporal Assessment of Riverbank Erosion and Associated Agricultural Land Loss in the Brahmaputra, Barak, and Selected Tributaries	Poster Presentation	Extended Abstract
ACRS26_ABS_I233596	Linking Permafrost Dynamics to Landslide Activity in the Indian Himalaya Using Geospatial, AI and Deep Learning Approaches	Poster Presentation	Extended Abstract
ACRS26_ABS_I492853	Performance Evaluation of GAGAN-Enabled Low-Cost GNSS Positioning under Varying Observation Environments- A Case Study at IIT Kanpur	Poster Presentation	Extended Abstract

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ACRS26_ABS_I572110	GIS -based mapping of Marine Heat waves Intensity in North Indian Ocean	Poster Presentation	Extended Abstract
ACRS26_ABS_I581700	Comparative Evaluation of AHP and TOPSIS for Developing a Satellite Based Wetland Health Index.	Poster Presentation	Extended Abstract
ACRS26_ABS_I978505	Cluster-Based Spatial Principal Component Analysis and Its Applications in Hyperspectral Image Processing	Poster Presentation	Extended Abstract
ACRS26_ABS_J176254	URBAN MONITORING USING HIGH-RESOLUTION SYNTHETIC APERTURE RADAR-TIME SERIES ANALYSIS (SAR-TSA)	Poster Presentation	Extended Abstract

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ACRS26_ABS_J207361	Landslide Risk Classification in Shimla District Using Rainfall Intensity–Duration Thresholds	Poster Presentation	Extended Abstract
ACRS26_ABS_J330046	Examination of a design method for park development plans using generative AI	Poster Presentation	Extended Abstract
ACRS26_ABS_J915641	Satellite Foundation Model Embeddings for Automated Open-Field Detection and Flood Evacuation Site Identification	Poster Presentation	Extended Abstract
ACRS26_ABS_J935403	Assessment of Vegetation Dynamics and Relative Carbon Sequestration Potential around Kalpakkam coast using Multi-temporal LISS-IV Data	Poster Presentation	Extended Abstract

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ACRS26_ABS_K596142	Performance of Machine Learning Approaches using Satellite Remote Sensing and AlphaEarth Foundations Embeddings for Crop Mapping	Poster Presentation	Extended Abstract
ACRS26_ABS_K599516	Change detection using satellite imagery in Delhi NCR region	Poster Presentation	Extended Abstract
ACRS26_ABS_L160106	Comparative Analysis of Machine Learning, Deep Learning, and Hybrid Classifiers for Rabi Crop Mapping using NDVI Time Series data	Poster Presentation	Extended Abstract
ACRS26_ABS_L237945	Mapping Soil Erosion Dynamics and Degradation Hotspots in Semi-Arid India: A RUSLE–GEE Approach for the Vindhyachal Plateau	Poster Presentation	Extended Abstract

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ACRS26_ABS_L347570	Critical Infrastructure and H3 Localised Deformation Assessment of Chandigarh Tricity using MSBAS SAR Interferometry	Poster Presentation	Extended Abstract
ACRS26_ABS_L539711	Impact of El Nino on Early Monsoon Onset Rainfall and Land Surface Temperature in Ludhiana District, Punjab	Poster Presentation	Extended Abstract
ACRS26_ABS_L766503	Development of a Dynamic Framework for Regional-to-Global Gridded Atmospheric Simulations using MODTRAN Radiative Transfer Model	Poster Presentation	Extended Abstract
ACRS26_ABS_M164972	Byzantine-Resilient Multi Agent Consensus for Robust Satellite Image Classification	Poster Presentation	Extended Abstract

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ACRS26_ABS_M391690	Multi-Temporal Land use and Land cover Analysis and Future Prediction using Machine Learning in Geospatial Framework	Poster Presentation	Extended Abstract
ACRS26_ABS_M492065	A Multi-Hazard Decision Support System for Climate-Resilient Disaster Risk Reduction in Asia.	Poster Presentation	Extended Abstract
ACRS26_ABS_M777347	Understanding the Impact of Climate Change on Future Climate Extremes in the Gandak River Basin: A Multi-Model Ensemble-Based Analysis	Poster Presentation	Extended Abstract
ACRS26_ABS_N106419	2026 Venezuelan earthquake doublet: first report on seismic resilience of buildings and comparative analyses with earthquakes in the recent decade	Poster Presentation	Extended Abstract

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ACRS26_ABS_N112493	Heatwave Forecasting using Remote Sensing based Datasets and Explainable Machine learning	Poster Presentation	Extended Abstract
ACRS26_ABS_N166980	Evaluating Sentinel-2 Satellite-Based Turbidity Estimation Across Inland Waters in South Korea	Poster Presentation	Extended Abstract
ACRS26_ABS_N498820	Continuous Monitoring of Transboundary Crop Residue Burning Across the Indo-Gangetic Plain Using INSAT-3DS Geostationary Fire Radiative Power Observations	Poster Presentation	Extended Abstract
ACRS26_ABS_N633267	Evaluation of NISAR vis-a-vis Sentinel-1 Data for Soil Moisture Retrieval : A Case Study in Uttarakhand.	Poster Presentation	Extended Abstract

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ACRS26_ABS_N860809	FiST4CEOS: Fine Resolution SLC Extraction and Analysis Tool for EOS-04 CEOS Format	Poster Presentation	Extended Abstract
ACRS26_ABS_N932852	A Machine Learning Framework for High-Resolution Carbon Saturation Deficit Mapping in Telangana Using Legacy Soil Data and Remote Sensing	Poster Presentation	Extended Abstract
ACRS26_ABS_O107388	Sparse Hyperspectral Unmixing for Volcanic SO ₂ Vertical Column Density Estimation: Application to the 2025 Hayli Gubbi Eruption Using TROPOMI L1 Radiance	Poster Presentation	Extended Abstract
ACRS26_ABS_O287150	High-Altitude Wetland Health Card: Advancing sustainable monitoring by developing DSS	Poster Presentation	Extended Abstract

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ACRS26_ABS_O523259	Leveraging WebGIS and Artificial Intelligence for Next-Generation E-Governance: A Case Study of Nyaya Vikas	Poster Presentation	Extended Abstract
ACRS26_ABS_O558627	Identification of Critical Erosion Prone Areas of Pairi Subbasin using Satellite Data and ArcSWAT Model	Poster Presentation	Extended Abstract
ACRS26_ABS_O798358	Climate Change Impacts on Future Soil Erosion in Punjab (India): An Integrated RUSLE–Remote Sensing and CMIP6 Assessment	Poster Presentation	Extended Abstract
ACRS26_ABS_O852421	From Bias to Reliability: Assessment and Performance Evaluation of Satellite and Reanalysis Rainfall Products in Punjab, India	Poster Presentation	Extended Abstract

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ACRS26_ABS_O882614	Multi-Temporal Dual-polarimetric SAR Data analysis using EOS-04 and Sentinel-1 for delineation of Pigeon Pea (Cajanus cajan) crop in Kalaburagi region	Poster Presentation	Extended Abstract
ACRS26_ABS_O894563	Robust Flood Hotspot Identification using Geospatial Technique in the Punjab State, India	Poster Presentation	Extended Abstract
ACRS26_ABS_O962113	Role of Artificial Intelligence and Geospatial Technology in Combating Antimicrobial Resistance: Applications, Challenges, and Future Perspectives	Poster Presentation	Extended Abstract
ACRS26_ABS_O972782	Spatio-temporal relationship and stand-alone predictor analysis on Cloud top temperature and Lightning – A Case study over India 2023.	Poster Presentation	Extended Abstract

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ACRS26_ABS_O981885	INTEGRATED GEOSPATIAL-MACHINE LEARNING ANALYTICS FOR URBAN MICRO MORPHOLOGY USING MULTI-SENSOR DATASETS	Poster Presentation	Extended Abstract
ACRS26_ABS_P748914	Virtual Reality-Based Immersive Visualization, Interaction and Analysis of 3D Drone Data for Smart Infrastructure Monitoring	Poster Presentation	Extended Abstract
ACRS26_ABS_P771903	Pollution-Aware Solar Potential Assessment Using 3d city model	Poster Presentation	Extended Abstract
ACRS26_ABS_P999449	A Mineral Systems Approach to Gold Prospectivity Modeling Integrating Hyperspectral, Aerogeophysical Data, and Machine Learning	Poster Presentation	Extended Abstract

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ACRS26_ABS_Q117671	Spatio-Demographic Asymmetry in Global Megacities: A Comparative Analysis of Built-up Area and Population Growth	Poster Presentation	Extended Abstract
ACRS26_ABS_Q509192	UnTwin: A Framework for Unsupervised Digital Twin from Static LiDAR in Complex Unstructured Urban Environments	Poster Presentation	Extended Abstract
ACRS26_ABS_Q688621	Spatio-Temporal Analysis of Groundwater Variability over Bihar under Changing Climate and Human-Induced Drivers	Poster Presentation	Extended Abstract
ACRS26_ABS_Q763758	GeoSaarthi: An LLM-Driven Geospatial Framework for Secure Access to Earth Observation Data and Disaster Information	Poster Presentation	Extended Abstract

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ACRS26_ABS_R263247	Climate Change Impact on Forest Dynamics - Role of Geospatial Technology	Poster Presentation	Extended Abstract
ACRS26_ABS_R462235	Surface Classification and Change Detection in a Volcanic Region Using SAR and Optical Remote Sensing	Poster Presentation	Extended Abstract
ACRS26_ABS_R649722	ML and SAR-derived Glacier Radar Zones and ELA Trends: A Case Study of Chhota Shigri Glacier, Western Himalaya	Poster Presentation	Extended Abstract
ACRS26_ABS_R836091	Diagnostic Assessment of Sundarbans Phytoplankton Photosynthetic Efficiency Across Monsoonal Transitions: Integrating FRRF and Oceansat-3	Poster Presentation	Extended Abstract

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ACRS26_ABS_R954481	Evaluating Decadal Spatiotemporal Land Use Variations and their Impacts on Ecosystem Service Values in Coimbatore City	Poster Presentation	Extended Abstract
ACRS26_ABS_S115608	An Integrated Multi-sensor Fusion Framework for Detecting Cryptic Forest Degradation Hotspots in Simlipal and Bhitarkanika Biosphere Reserves, India	Poster Presentation	Extended Abstract
ACRS26_ABS_S469581	Evaluating Wheat Canopy Dynamics Under Different Irrigation and Nitrogen Treatments Using GreenSeeker-Derived NDVI	Poster Presentation	Extended Abstract
ACRS26_ABS_S726825	A Comprehensive Analysis of Machine Learning Methods for Crop Residue Burning Detection Using Satellite Imagery	Poster Presentation	Extended Abstract

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ACRS26_ABS_S807810	Spatiotemporal Assessment of Atmospheric Moisture Budget and Vertical Air Temperature Trends across the Ganga River Basin	Poster Presentation	Extended Abstract
ACRS26_ABS_S925430	Monitoring Flood-Induced Erosion and Vegetation Recovery in Dalseong Wetland, South Korea, Using Multi-Temporal Sentinel-1 and 2 Satellite Imagery	Poster Presentation	Extended Abstract
ACRS26_ABS_S958245	Assessment of Above Ground Biomass using P-band, L-Band, C-Band SAR data for tropical forests in India	Poster Presentation	Extended Abstract
ACRS26_ABS_S960809	A Comparative Study of Machine Learning Approaches for Wind Vector Retrieval from EOS-06 Scatterometer Data	Poster Presentation	Extended Abstract

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ACRS26_ABS_T114938	Morphometric Analysis and Sub-Watershed Prioritization of the Subarnarekha River Basin, India: A Geospatial and ML Approach	Poster Presentation	Extended Abstract
ACRS26_ABS_T431642	Advancing Eco-Health Assessment of Arid Ecosystem: A VOR-FCE-Objective weighting Framework for Desert National Park, India	Poster Presentation	Extended Abstract
ACRS26_ABS_T742307	Evaluating Potential Outburst Flood from a Glacial Lake in Eastern Himalaya based on Integrated Remote Sensing and Hydrodynamic Modeling	Poster Presentation	Extended Abstract
ACRS26_ABS_T833162	Evaluating Nitrogen-Induced Changes in Wheat Phenology Using UAV Multispectral Remote Sensing	Poster Presentation	Extended Abstract

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ACRS26_ABS_T841061	Assessment of INSAT Atmospheric Sounding Retrieval with Radiosonde Observations over the Indian Region	Poster Presentation	Extended Abstract
ACRS26_ABS_U233651	Disaster Risk Assessment of Tourism Infrastructure along Tourist Circuits in Northeastern India: A Geospatial Framework for Sustainable Tourism Development	Poster Presentation	Extended Abstract
ACRS26_ABS_U552757	Spatiotemporal Assessment of Future Meteorological Drought in Thailand Using the Standardized Precipitation Index (SPI)	Poster Presentation	Extended Abstract
ACRS26_ABS_V167529	Predicting landslide dam hotspots using geomorphic controls and machine learning model: a cross-catchment assessment in the Uttarakhand Himalayas	Poster Presentation	Extended Abstract

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ACRS26_ABS_V356277	Identification and mapping of archaeological mounds of Haryana using remote sensing datasets	Poster Presentation	Extended Abstract
ACRS26_ABS_V906678	Temporal Dynamics of Snow Depth and Data-Driven Prediction of Seasonal Snow Accumulation	Poster Presentation	Extended Abstract
ACRS26_ABS_V932747	A Label-Free Diagnostic to predict model transferability in Rice-Wheat mapping in Indo-Gangetic Plains	Poster Presentation	Extended Abstract
ACRS26_ABS_V938914	Integrated Flood and Soil Erosion Risk Modelling Using Geospatial Technique: A Study of Watershed in the Ravi river, Punjab, India	Poster Presentation	Extended Abstract

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ACRS26_ABS_V980251	Monitoring of the Embankment Locations that are Vulnerable to Breaching due to Continuous River Bank Erosion	Poster Presentation	Extended Abstract
ACRS26_ABS_W241246	Spectral Embedding-Based Bamboo Plantation Mapping in Meghalaya Using Alpha-Earth Foundation Model and Cosine Similarity	Poster Presentation	Extended Abstract
ACRS26_ABS_W708414	Macro-Level Identification of Kharif Rice Phenology in India Using Multi-Sensor Imagery and LSTM Networks	Poster Presentation	Extended Abstract
ACRS26_ABS_W878560	CNN-Based Classification of Urban Settlements by Physical Planning Characteristics	Poster Presentation	Extended Abstract

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ACRS26_ABS_X982394	Integrating Sentinel-1 SAR, Google Earth Engine, and Machine Learning for Flood Mapping and Impact Assessment in Punjab, India	Poster Presentation	Extended Abstract
ACRS26_ABS_Y312990	Beyond Greenness: A Multi-Scale Earth Observation Framework for Identifying Global Forest Degradation Hotspots	Poster Presentation	Extended Abstract
ACRS26_ABS_Y495952	Assessment of land cover change attribution to greenhouse gas emissions over Indian region	Poster Presentation	Extended Abstract
ACRS26_ABS_Y544763	Street Scale Monitoring of PM2.5 Along an Urban–Rural Gradient: Spatiotemporal Characterisation Using Mobile Sensing Platforms	Poster Presentation	Extended Abstract

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ACRS26_ABS_Y623646	Building-Level Vacant House Estimation Using Ensemble Machine Learning with High-Resolution Multispectral Satellite Imagery	Poster Presentation	Extended Abstract
ACRS26_ABS_Y824518	Multi-Sensor Remote Sensing and Machine Learning for Crop Damage Assessment Following Monsoon Floods in North-West India	Poster Presentation	Extended Abstract
ACRS26_ABS_H265141	Identifying Dominant Hydroclimatic Predictors of Riverine Flood Severity across Transboundary Brahmaputra River Basin	Poster Presentation	Extended Abstract
ACRS26_ABS_E267575	Assessing Seismic Vulnerability in Kahramanmaras Turkiye and its impact on Urban Dynamics using Geospatial Approach	Poster Presentation	Extended Abstract

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