

**The list of accepted abstracts for the forthcoming
ISRS-ISG-GeoSmart India symposium during Nov 15-17, 2022 .**

- Platform/Oral presentations and poster presentation details will be mailed to the authors along with the templates during Fourth week of October.
- We suggest you to register to avail *early bird offer* and prepare final outcome of the said study for presentation during the schedule sessions.

Accepted Abstracts			
No.	Title	Authors	Affiliation
4	Building Detection In Very High Resolution Satellite Data For Indian cities Using Deep Learning	Reedhi shukla	NRSC, ISRO
6	Semantic segmentation on multi-resolution optical and microwave data using deep learning	Jai G. Singla	Space Applications Centre , Ahmedabad
9	Investigation of the impact of a strong magnetic storm occurred on 26 August 2018 by using GPS-TEC measurements observed at Agra.	Priya Gupta	Seismo-electromagnetic & Space Research Laboratory, Department of Physics, Raja Balwant Singh Engineering Technical Campus, Bichpuri
11	Ensemble Machine Learning Approach for PM2.5 Reconstruction using MERRA-2 and Long-term Analysis for India (1980-2021)	Vikas Kumar	Indian Institute of Technology Bombay

19	Drone Image Derived 3D Point cloud for Infrastructural Change Monitoring in North Eastern Region	Puyam S Singh	North Eastern Space Applications Centre
20	Impact of INSAT-3D atmospheric motion vectors in hybrid ensemble-3DVAR data assimilation systems in high resolution simulation of heavy rainfall event over NER of India	Rekha B Gogoi	North Eastern Space Applications Centre
23	GIS for Control of Communicable Diseases	DR GAURAV	JAGATMITRA FOUNDATION
25	Development of a Smart phone based Soil Quality parameters estimation Application (SSQ-App) at farmer's field level based on Quantitative Colour Measurement	Justin George Kalambukattu	Indian Institute of Remote Sensing (IIRS), ISRO
26	GEOSPATIAL TECHNOLOGY & ARTIFICIAL INTELLIGENCE BASED ALERT SYSTEM FOR PREDICTING VULNERABILITIES DUE TO CLIMATE CHANGE TRIGGERED HAZARD.	Dr. L. P. Sharma	NIC
28	Development and Comparative Assessment of Yield modelling Techniques for Rabi Pulses using Geospatial Techniques and Ancillary Datasets: A Case Study for Drought Affected Region on India	Abhishek Danodia	Agriculture & Soils Department, Indian Institute of Remote Sensing-ISRO
30	DESIGN AND DEVELOPMENT OF AUTOMATIC INDIAN SIGN LANGUAGE TO TEXT CONVERSION USING LSTM FROM VIDEO SEQUENCES	JELLA SANDHYA	JNTUH-CEH
31	A study on improving the accuracy of SCATSAT-1 retrieved winds using SST-dependent correction	Rajesh Sikhakolli	Earth and Climate Sciences Area, National Remote Sensing Centre, ISRO
32	Modelling Urban Sprawl of Mumbai Metropolitan Region (MMR) using ResNet34	Varsha Bhosale	Vidyalankar Institute of Technology

37	Evaluation of a high-resolution wave modelling system for the Indian ocean using in-situ and satellite data	Sandhya K G	(1) Indian National Centre for Ocean Information Services (2) Department of Marine Geology, Mangalore university, Mangalagangothri, India-574 199
44	SECURED COMMUNICATION BETWEEN SATELLITE NETWORK LINKS	HEPHZIBA MERLIN J	St.Joseph's Institute Of Technology,Chennai
49	DATA SCIENCE / MACHINE LEARNING PERSPECTIVE: LANDSLIDE SUSCEPTIBILITY MAPPING	VIVEK SAXENA	DRDO, Chandigarh
50	Role of Planetary Boundary Layer on the surface absorbing aerosols over a hilly remote station of North-East India	Arundhati Kundu	North Eastern Space Applications Centre
51	Pre-Flight Radiometric Calibration of OCM-3 and Estimation of its Calibration Uncertainty	Dr. Harish Seth	Space Applications Centre (ISRO), Ahmedabad
54	Sentinel-1 SAR Interferometry for Land Cover Classification in a Shifting Cultivation Landscape of Tripura, Northeast India	Krishna Das	Indian Institute of Remote Sensing, ISRO
59	Northern Europe Heat Wave July 2022: Cause, Effects and the Future of the Earth	SAHEB SK	Netaji Subhas Open University, India
61	Polarization Signature based crop classification using L band Airborne SAR data	Tarun M.	Organization: Space Applications Centre (ISRO)
63	Endmember Variability Based Spectral-Spatial Weighted Sparse Unmixing for Abundance Estimation of Red and Black Soil over Sparsely Vegetated Areas Using AVIRIS-NG Image	Touseef Ahmad	Space Applications Centre, Ahmedabad
66	IMPROVING THE CLASSIFICATION ACCURACY OF COASTAL MANGROVES USING SENTINEL 2 DATA FUSED WITH GOOGLE EARTH IMAGES	ADITHIY R	Cochin University of Science and Technology
69	Flood Risk Mapping using Multi-criteria Analysis: A case study on the Gandak River Basin	Adhya Burman	The Energy Resource Institute (TERI) university

73	CLASSIFICATION OF COASTAL MANGROVES USING SENTINEL 2 DATA SHARPENED WITH GOOGLE EARTH IMAGES	Adithiy R	Cochin University of Science and Technology
74	Indexed Based Approach for Monitoring and Burn Severity Analysis of Forest Fire in Charda Forest Block of Bahraich Forest Division, Uttar Pradesh	Dr. P. Kunwar	Remote Sensing Application Centre, U.P., LKO
77	Current and future challenges for water resource management and future directions for research	Gulfam Ansari	Rudra Institution of Technology, Mawana Khurd (Meerut)
79	Glacio-Hydrological Modelling Approach for Assessing the Water Availability in Upper Indus Basin	Varun Khajuria	Indian Institute of Remote Sensing
81	Prediction of spatial soil carbon loss influenced by surface erosion processes using geo-spatial modeling: A case study from Karnataka, India	Janakirama Suresh KG	National Remote Sensing Centre, ISRO
83	BUILDING SEGMENTATION USING DEEP LEARNING AND APPLICATIONS	Manish Singh	ADRIN, DOS
91	Evaluation of scientific CMOS image sensor for space application	Vikash Kumar Jangir	Space Application Center, ISRO
92	Retrieval of Optical Radiative Properties of Atmospheric Aerosols from Sun-sky Radiometer over Desalpar	Nandkishor Kumawat	Space Applications Centre (SAC-ISRO)
93	Wetland Health report card using Remote sensing Inputs.	Ashwin Gujrati	Space Applications Centre, ISRO
95	GIS as core component for integration and development of citizen web Portal for Moradabad Smart City.	Sayali Bhagwan Barsale	L&T smart world and communication
97	NISAR: Mission Updates and Science Plan	Anup Kumar Das	Space Applications Centre, ISRO
98	Radiometric Characterization of Resourcesat2A LISS-3 Sensor using PICS	Saritha PK	National Remote Sensing Centre, ISRO
99	Radiometric Normalization for SAR Imagery	SWATI UPADHYAY	ADRIN , DOS

100	Alteration mineral mapping using AVIRIS-NG hyperspectral data in the gold bearing Gadag Schist belt, Karnataka, India.	Tamal Samaddar	Indian Institute of Remote Sensing Dehradun
101	Geospatial Monitoring of Sustainable Development Goals (SDG) Indicators	Nitin Mishra	NRSC ISRO
102	Land Cover Classification of Mid-resolution RS Datasets using Machine Learning Techniques	Dhroj Kumar Behera	NRSC/ISRO
104	Novel Spatial and Spectral Quality Metrics for Pan-sharpened Multispectral Remote Sensing Images	Garima Kuchhal	Advanced Data Processing Research Institute (ADRIN)
106	Landscape characterization of Cauvery basin using geomorphic indices derived from digital elevation model	Sudhanshu Raghubanshi	Indian Space Research Organization (ISRO)
112	A GIS BASED FRAMEWORK FOR THE MONITORING OF AIR QUALITY PARAMETERS IN MEGA CITIES	Avinash Kumar Sharma	Maulana Azad National Institute of Technology Bhopal. Currently pursuing PhD at IIT Ropar.
117	Integrated Hyperspectral Remote Sensing and Artificial Neural Network (ANN) algorithm for non-invasive age determination of Himalayan medicinal plants	Kishor Chandra Kandpal	RS-GIS Laboratory, Environmental Technology Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh-176061, India.
118	Hyperspectral remote sensing-based neural network model for early disease detection in commercially important crops	Manisha	RS-GIS Laboratory, Environmental Technology Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh-176061, India
121	Coastal Water Characteristics along Eastern Coast of Tamil Nadu, India during Northeast Monsoon Period	V.Niranjana	Dr.M.G.R Educational & Research Institute
122	Detection of Floating Plastic Wastes in Coastal Water bodies using Multispectral Sentinel-2 Satellite Imagery	Dr.RM.Narayanan	Dr.M.G.R Educational & Research Institute

124	Satellite Image Classification using a Hybrid Optimization method by Different Genetic Optimization Algorithm	Amit Kumar Rai	Asansol Engineering College
125	Multi-Criteria Decision Analysis (MCDA) Based Evaluation of Forest Fire Risk Zones in Pilibhit District using Satellite Remote Sensing and Analytical Hierarchy Process (AHP) Techniques.	Dr. P.Kunwar	Remote Sensing Application Centre, U.P., Lucknow
135	Earth Observation Satellites Ground Station	Dr.A.N.Satyanarayana	ISRO National Remote Sensing Centre
142	Assessment of River Water Dynamics and Optically Active Water Quality Parameters over Punjab, India using Google Earth Engine Approach	Mohit Arora	Punjab Remote Sensing Centre
144	POLLUTION MONITORING & SOURCE TRACKER DRONE	Ran vijay	IIMT College of engineering
150	ASSESSMENT OF GLACIAL LAKE AREA DYNAMICS AND LAKE WATER SURFACE TEMPERATURE IN HIMACHAL PRADESH	Karthika K	Indian Institute of Remote Sensing
154	Artificial Intelligence (AI) and Machine Learning (ML) for Remote Sensing Applications in Agriculture	N. R. Patel	Indian Institute of Remote Sensing, ISRO
155	Debris flow volume estimation from UAV derived DEM	Priyom Roy	National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO)
156	MAPPING OF STORM WATER HARVESTING POTENTIAL WITHIN PARKS AND OPEN SPACES USING GIS	Ar. Raghvi Goel	Indira gandhi delhi technical university for women
159	Long-term Trend of the Planetary Boundary Layer and its Relationship with Atmospheric Pollutants over North East India	Manasi Gogoi	North Eastern Space Applications Centre
161	Landslide detection using SAR amplitude data– Few case studies	Tapas Ranjan Martha	National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO)

163	A GIS-Based Ecotourism Site Suitability Assessment of Scotland, United Kingdom	Dr. Sumith Satheendran S.	Advanced Space Applications Laboratory (Amrita-ASAL), School of Physical Sciences, Department of Chemistry, Amrita Vishwa Vidyapeetham University, Amr
165	LSMS and OBIA Techniques are used for Automatic Detection of the Built-up Area	Poonam Sharma	HARSAC
166	Role of IT in smart City department	Pooja vitthal Gore	Sipna coet Amravati
167	INTEGRATED STUDY IN DIFFERENT MICRO-WATERSHEDS OF PANCHKULA DISTRICT, HARYANA	Poonam Sharma	HARSAC
169	Identification of Groundwater Potential zone in Konar Basin using Geospatial techniques	Puja Priya	St. Xavier's College Ranchi
171	Potato Leaf Disease Detection using Deep Learning	Deep Kothari	Thakur College of Engineering & Technology
173	Analysis of Machine learning-based classification algorithms for ship detection in LISS IV remote sensing data	Dr.T.GANESH KUMAR	GALGOTIAS UNIVERSITY
175	Assessment of Hydrological Behavior of Jhelum Basin using the Modelling and Geo-spatial Approach	Bhaskar R. Nikam	Indian Institute of Remote Sensing, ISRO,
176	Bamboo Mapping in part of North East India using Random forest in Google Earth Engine	Muna Tamang	Indian Institute of Remote Sensing
179	An Integrated Geospatial Modelling Approach To Assess And Predict Growth Pattern And Loss Of Agriculture Land In The Industrial Town Of Mandideep, Madhya Pradesh	Vinaya Thakur	CSIR-AMPRI
181	Sun Induced Fluorescence (SIF) as stress indicator in Wheat crop and its relation with key photosynthetic parameters	Jayachandra Ravi	Nirma University
183	Hyperspectral Image classification and un-mixing of classes from AVIRIS-NG image of Ahmedabad	Jayachandra Ravi	Nirma University

185	Urban Area Mapping for Rescue Operations during Disaster by using Satellite Data	Shikha Verma	IMD, MoES, New Delhi
187	Geo Smart Science Education its Software Development and its Role of Importance in World Utility	Dr G.Machender	mahatma gandhi university
188	Comparison of ANN and XGBoost for landslide Susceptibility Assessment in Garhwal Himalayas	SHUBHAM BADOLA	Amity Institute of Geo-informatics and Remote sensing, Amity University NOIDA
190	Characteristics of Ocean Internal Waves detected from EOS-04 (RISAT-1A) data	Anup Kumar Mandal	Space Applications Centre, ISRO
191	A mathematical modelling approach for deriving land surface temperature diurnal model parameters over India using INSAT-3D Imager data	Mehul R. Pandya	SAC, ISRO
193	A Study on air pollution monitoring system using MODIS remote sensing data and image processing techniques.	Dr. Pinki Chakraborty	Galgotias University
194	Machine Learning based Estimation of Total Precipitable Water from INSAT-3D Imager Observations	Rishi Kumar Gangwar	Space Applications Centre (ISRO)
195	High resolution remote sensing for precise biomass estimation of Himalayan forests	Vivek Dhiman	CSIR IHBT Palampur
196	Connected Pixels Based Region Growing Algorithm for Water Extraction from EOS-04 Medium Resolution ScanSAR (MRS) Data	Bharath Kumar Reddy Kadapala	National Remote Sensing Centre
197	A postprocessor for characterization and correction of Scalloping and Banding in Scan-SAR imagery	Bhaskar Dubey	Space Applications Centre - Ahmedabad, ISRO
198	SMARTCITY PLANNING USING GEOINFORMATICS FOR UNESCO WORLD HERITAGE SITE BADAMI OF BAGALKOT DISTRICT	MANJU KUMAR P	Basaveswar Engineering College Bagalkot karnataka India

200	MODELLING THE SPATIO-TEMPORAL PATTERN OF THERMAL ZONES AND THEIR CORRELATION WITH SATELLITE-DERIVED LAND USE INDICES FOR THE PAST THREE DECADES IN SALEM, TAMIL NADU	Linda Theres B	SASTRA Deemed to be University
201	Assessment of Net Primary Productivity of Alpine Pasture using CASA Model in a part of Western Himalaya	Kuldeep Rana	Indian Institute of Remote Sensing Dehradun
202	Machine Learning Approach on Multitemporal Remote Sensing Data for Identification of Rabi Crop in Tehri Garhwal Uttarakhand	Priyadarshi Upadhyay	Uttarakhand Space Application Centre
203	Effect of Loss Function on Performance of Semantic Segmentation Model for Building Extraction	Dr. Vandita Srivastava	Indian Institute of Remote Sensing, Dehradun
206	Understanding the behaviour of basaltic layers in groundwater recharge with integrated modeling of remote sensing, 3D stratigraphic and electrical resistivity tomography data	RAJARSHI SAHA	NATIONAL REMOTE SENSING CENTRE
207	Identification of mango varieties and estimation of leaf chlorophyll and nitrogen content using Hyperspectral data	Mohammed Ahamed Jeelani	RRSC South, National Remote Sensing Centre, Indian Space Research Organization
208	Village Level Impact Assessment of MGNREGA using Geospatial Tools: a Case Study	Stutee Gupta	NRSC, ISRO
209	Improved discrimination of plantation crops in multi-tier agroforestry systems using UAV Images and Deep Learning	NAGASHREE MOHAN KUMAR	RRSC -South / NRSC
501	NEAR REAL TIME THERMAL BASED ECOLOGICAL MONITORING USING GOOGLE EARTH ENGINE	Riddick Kakati	Indian Institute of Technology Guwahati
502	Association between Vegetation Optical Depth and AMSR2 Microwave Channels over biomes of the Indian region	Sampelli Anoop	National Remote Sensing Centre (NRSC)

503	Spatial Asymmetry in the distribution of UTLS aerosols over Asian Summer Monsoon Anticyclone	Alladi Hemanth Kumar	National Atmospheric Research Laboratory
505	Estimation of Major Soil Nutrient in Humid Tropical Regions of India: A Non-Destructive Approach using hyperspectral data and Machine Learning Models	S. Rama Subramoniam	isro
506	Estimation of Actual Evapotranspiration using Remote Sensing based on Dual Crop-Coefficient Soil Water Balance Approach	Anurag Mishra	National Remote Sensing Centre - ISRO
509	Assessment and Monitoring of Multi-Aspect Drought Severity using Geo-spatial Technology in Cheyyar Watershed, Palar Basin, Tamil Nadu	J. Killivalavan	Bharathidasan University
512	Extraction and Mapping of Coconut Trees in an Urban area from UAV Imagery using Object Based Image Analysis	Minakshi Kumar	Indian Institute of Remote Sensing(IIRS)
514	Deciphering the signatures of convective rain cells using simultaneous observations from C-band Synthetic Aperture Radar onboard EOS-4 satellite and GPM measurements	Kandula V Subrahmanyam	National Remote Sensing Centre (NRSC)
517	Impact of COVID-19 lockdown observed on various atmospheric processes obtained using ground based, space borne and model simulations	M. Venkat Ratnam	National Atmospheric Research Laboratory
518	Snow-glacier melt runoff separation and variability assessment under glaciers change in Himalayan Teesta river basin	Dr. Sanjay Kumar Jain	National Institute of Hydrology, Roorkee
519	Innovative Geospatial Technology in Urban Mapping and City Planning: Government Initiatives	Dr. Pawan Kumar	Town and Country Planning Organization, Ministry of Housing and Urban Affairs (MoHUA), Govt. of India, New Delhi

522	Variability of atmospheric CO ₂ over Indian monsoon regions and its diagnostics based on Atmosphere Transport Model and satellite observations	shaik allahudheen	National Remote sensing centre
523	Characterization of EOS-04 Hybrid Polarimetric Data using Standard Radar Targets	PV Jayasri	National Remote sensing centre
526	Assessment of Mobility and Health Condition on COVID-19 Morbidities and Mortalities - A Case Study of Tamil Nadu, India	Prakash. K	Bharathidasan University
527	Image Denoising using Machine Learning for individual and huge data with its metric analysis	ANEES AHAMED BAIG	Google
528	URBAN FLOOD MODELLING USING PCSWMM AND GEOSPATIAL TECHNIQUES: A CASE STUDY OF HYDERABAD METROPOLITAN CITY	Dr. M. GOPAL NAIK	OSMANIA UNIVERSITY
529	Shrinking Urban Greenery Spaces within the Catchment of Upper Bagjola Canal, West Bengal- A Case Study Using Geospatial Technology Applications	Debaroti Das	P. N.Das College, Palta
530	Garudalytics Smart Mapping	Jayanta Poddar	Garudalytics Private Limited
534	Monitoring of GHGs over the Indian region: Status, Challenges and Way forward	Mahesh Pathakoti	NRSC, ISRO
535	IoT Sensors in Agriculture	Dr. Kanak Saxena	Rabindranath Tagore University, Bhopal M.P.
537	Monitoring of smog conditions over Delhi region using contemporary satellites	Rounaq Goenka	National Remote Sensing Centre (NRSC)
538	Modeling Approach for CO ₂ Concentration Retrieval for Point Source Emission using AVIRIS-NG.	Hasmukh K. Varchand	N. V. Patel college of Pure and Applied Sciences- Vallabh Vidyanagar, Gujarat, India.
539	Comparison of Standardized Precipitation Index (SPI) and Standardized Precipitation Evapotranspiration Index (SPEI) for drought monitoring in Marathwada region of Maharashtra	Mohit Kesarwani	TERI School of Advanced Studies

540	An analysis of LIS lightning data on-board TRMM vis-à-vis deep convective clouds detected from SAPHIR on-board Megha-Tropiques	Shailendra S Srivastava	Space Applications Centre, Ahmedabad
541	ASSESSING SPATIO-TEMPORAL VARIATIONS IN CROP WATER REQUIREMENT OF WHEAT CROP IN SEMI ARID REGION OF PUNJAB	Niharika Vullaganti	Punjab Agricultural University
542	"Hydrodynamics Assessment of Rapti River in Balrampur and Gorakhpur District by Geospatial Techniques"	Dr. Harit Priyadarshi	Mangalayatan University, Aligarh
544	Long-term monitoring of urban conditions over Navi Mumbai from thermal infrared remote sensing	Anusha Roy	Indian Institute of Technology Bombay, Mumbai – 400076, India
546	GIS based Decision Support Tool for Avalanche Risk Assessment along Amarnath Yatra Route, India	Anurag Sharma	DGRE, DRDO
547	Evaluation of methods for computation of Satellite Velocity vector from position vector	D.Shanmukha Rao	National Remote Sensing Center
551	The interactive map-comparing web framework for cloud-based web-map services	Ashutosh Kumar Jha	Indian Institute of Remote Sensing
552	SDAT: A Python based Tool for Processing and Analysing Spectroradiometer Data	Anand S Sahadevan	Space Applications Centre, ISRO
553	Surface Energy Fluxes over Ahmedabad city, India: An investigation using MERRA-2 Satellite Data and WRF-Chem Model	Yagni Rami	Environmental Engineering Department, Pandit Deendayal Energy University
554	Deep Learning Model for Object Recognition in High & Medium Resolution Remote Sensing Images	Anshum Agrawal	ADRIN
555	Monitoring biological productivity over coastal Arabian Sea as a consequence of climate change	Akshay Rai	MG Science Institute
557	Effective Use of Drone Imagery for Crop and Pasture Monitoring in the Advancement of Precision Agriculture	Naveen Prakaasham K S V, Nithinhaj S, Ramya N	Anna University

558	Urban Planning Using Google Street View Images	Eswaramoorthy K, Rohith S, R. Vishnu Vasan	Department of Information Science and Technology, College of Engineering Guindy, Anna University, Chennai, Tamil Nadu, India
560	Estimation of land surface temperature to study urban heat island and its effect using remote sensing	Srayashi Mallick	Shiv Nadar School
561	Identifying landslides from open-source satellite imagery using cloud computing	Nirdesh Kumar Sharma	IIT-DELHI
562	Multi-frequency Backscatter characterization of flooded areas- A precursor study for NISAR mission	Panchagnula Manjusree	NRSC/ISRO
564	Atmospheric Precursor Response to the Antarctic Sea Ice Record Low	Dr. Avinash Kumar	National Centre for Polar and Ocean Research, Ministry of Earth Sciences, Govt. of India, Goa, India
565	Impact of Urbanization and Vehicular Traffic in hilly town and implementation of Urban Green Space using geospatial techniques.	Sanjay Kumar Ghosh	IIT Roorkee
567	Are there monthly anomalies in Landsat derived Land Surface Temperature? A comparison between three cities in India	Sneha Pandey	Wildlife Institute of India
575	Spatio-temporal analysis of groundwater levels in the Tons river basin, India	Praveen Kalura	Indian Institute of Technology Roorkee
577	Assessment of geospatial risk associated with property management in India	Vishesh Vatsal	Hyspace Technologies
579	Monitoring of Marine Microplastic using Satellite data	Abhinav Gummalla	NRSC,ISRO
580	Estimation of slope movement by PSInSAR technique at Koteshwar reservoir area, India using Sentinel-1 dataset	Manoj Kuri	Engineering College Bikaner
581	AI-based extraction of glacial lakes in Himachal Pradesh	Anita Sharma	National Institute of Technology Hamirpur

582	Edge Computing for Remote Sensing Satellites: Bringing Innovative Technologies to Space	Adithya Kothandhapani	Hyspace Technologies Pvt Ltd
583	Impact of Marine Heat Wave on Fish Catch along the Indian Coast	P. C. Mohanty	Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences
586	Healthcare Clinic Asset Mapping using Machine Learning Techniques	Dr. S. Jyothi	Sri Padmavati Mahila University, Tirupati
587	Fore-warning of forest fires using static and dynamic factors	Nikhil Lele	Space Applications Centre, ISRO
592	Automatic Land Water transition zone detection from satellite images using Python	Kuhelika Bera	ISRO
594	Deep Learning Based Automatic Change Detection for Very High Resolution Remote Sensing Images	Shri Devesh Kumar	ADRIN/Department of space
595	A Theoretical Modelling Study for Selection of Optimal Split-Window Algorithm to Retrieve Land Surface Temperature for ISRO's Upcoming EOS-06 SSTM TIR Sensor	Jalpesh A Dave	N. V. Patel College of Pure and Applied Sciences
596	Aspect wise Monitoring and Estimation of Mass Balance of Glaciers of Baspa Basin, District Kinnaur, Himachal Pradesh, India using remote sensing techniques	Surjeet Singh Randhawa	State Centre on Climate Change under the aegis of the HP Council for Science, Technology & Environment (HIMCOSTE)
597	REMOTE SENSING AND GIS FOR THE ANALYSIS OF CROP DIVERSIFICATION PATTERNS IN NALGONDA DISTRICT, TELANGANA- STATE, INDIA	Dr.Harish Balduri	Osmania University
598	Concept of River Recovery in Anthropogenically Disturbed River Systems: Integration of Google Earth Engine and Fluvial Dataset	Chandan Pradhan	Indian Institute of Technology, Guwahati, India
599	INTRA AND INTER-ANNUAL GROUNDWATER STORAGE ASSESSMENT USING GRAVITY BASED TERRESTRIAL WATER STORAGE FROM GRACE AND GRACE-FO DATA IN GANGA AND BRAHMAPUTRA	CHEZHAN V A	INDIAN INSTITUTE OF REMOTE SENSING

	RIVER BUFFER		
600	Application of Advance Geospatial Techniques and Cloud Computing Methodology in Characterization of Braided River Morphology	Ketan Kumar Nandi	Indian Institute of Technology Guwahati
602	Gridded Ensemble Precipitation Estimates for India	Anagha P	Indian Institute of Technology Delhi
605	Mapping of Mustard Crop with Planet Scope High-Resolution Dataset using Machine Learning Algorithms	Vishal Sharma	IIT Roorkee
606	Downscaling of GRACE and its utility in exploring cryospheric hydrological components	Dr. Vishal Singh	National Institute of Hydrology Roorkee India
608	Time series remote sensing data analysis for retrieval of non-climatic glacier parameters as a part of climate change indicators: A detail analysis of Chandra River Basin (CRB), Himachal Pradesh	Ritwik Majumdar	Indian Space Research Organisation
610	Spatio-Temporal Diffusion Pattern and Hotspot Detection of Dengue: A case study of Delhi region	Vipasha Sharma	IIT Roorkee
611	Flash flood simulation and inundation assessment in Song Watershed of Dun valley, Uttarakhand	Praveen Kumar Thakur	Indian Institute of Remote Sensing (IIRS-ISRO), Dehradun
612	ASSESSMENT OF OPTICAL CHARACTERISTICS AND TROPHIC STATE OF TROPICAL WATERS USING MODERATE RESOLUTION OPTICAL REMOTE SENSING TECHNIQUES	Ranith R	Nansen Environmental Research Centre (India)
614	Semantic Segmentation of shelf extents for Amery Ice Shelf using space borne Sentinel-1and Deep Learning Techniques	Anupam Das	NRSC
618	LEVERAGING DRONE TECHNOLOGY FOR LARGE SCALE MAPPING	COI Rajat Sharma	Survey Of India

619	Evidence of preserved channel splay in Mawrth Valles of Mars, A site for future Mars exploration	Swati Singh	National Remote Sensing Centre, ISRO, Hyderabad
620	U-Net based surface Water mapping using Sentinel 1 and NOVASAR data	Aparna R	IISER,MOHALI
621	Challenges and Opportunities in Attaining SDG 14; A Review of India's Progress	Jyotsna C	FOREST RESEARCH INSTITUTE DEHRADUN
622	Exploring the potential of EOS-04 (RISAT-1A) satellite data for Jute and Rice Crop Mapping	Srikanth P	National Remote Sensing Centre, ISRO
624	Satellite-based assessment of paddy stubble burnt area progression in Punjab	BHAVANA SAHAY	National Remote Sensing Centre (NRSC)
625	Geo-Portal Application real time Statistics and Analysis platform	V V Sarath Kumar	Indian Space Research Organisation
627	Development of Elastic Computing Platform to host Geospatial Applications with Dynamic Workloads	I Abhinav	Indian Space Research Organisation
630	Impact of Upstream Water Storage Structure in Streamflow Modeling – A Case study of Ujjani Reservoir	Saksham Joshi	National Remote Sensing Centre (ISRO), Hyderabad
635	A novel method to generate high precision deep learning based object detection models	Manish Singh	ADRIN
636	Dynamics of Glaciers in Himachal Pradesh using Google Earth Engine	Vinayak Thakur	National Institute of Technology Hamirpur
638	BIO-OPTICAL PROPERTIES AND PHYTOPLANKTON SIZE CLASSES OF COCHIN ESTUARY DURING SOUTHWEST MONSOON	Soumya K. P	Cochin University of Science and Technology
639	Unsupervised change detection in multi temporal optical satellite imagery using multi scale convolution neural network	ASHUTOSH KUMAR	ADRIN (Department of space)
640	CORRECTION OF TROPOSPHERIC DELAY IN IRNSS DATA	Hiren Solanki	Student, Civil Engineering Department, Institute of Technology, Nirma University.

642	Unraveling the relationships between drivers of climate change vulnerability of forests in Nagaland	Lungyina Beulule Meru	Forest Research Institute, Dehradun
643	Forest Health Index: Developing a framework towards efficient monitoring of forest ecosystem	Aaheli Chaki	Indian Institute of Forest Management Bhopal
645	Utilization of airborne hyperspectral AVIRIS-NG data in identification and mapping of hydrothermal alteration zones for gold deposits in Gadag Schist Belt, Karnataka	Nikhil Kumar Baranval	National Remote Sensing Centre
648	Hybrid Retrieval of Leaf Area Index and Chlorophyll Content of Rice Crop using PRISMA Hyperspectral Data	Karun Kumar Choudhary1	National Remote Sensing Centre, ISRO
649	Assessment of Long Term Coastline Monitoring from Satellite Imageries using Geospatial Techniques from Panavila to Pullaviala, Kerala, India – A Case Study	Kum. Suneeta Jatwa	Central Water and Power Research Station, Dept. of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti
650	Review of Shallow Water Bathymetry Estimation using different Techniques from Optical Sensor Data off the Visakhapatnam	Mohammed Suhail	National Remote Sensing Centre - Indian Space Research Organisation
651	Deep Neural Network for soybean crop yield estimation at disaggregated level using multi temporal weather and earth observation dataset.	Varun Pandey	National Remote Sensing Center, Indian Space Research Organization
653	Application of UAV Data in Mapping and Visualization of Heritage site: A case study of Manjarabad Fort, Karnataka	Suhas Muralidhar	Indian Institute of Remote Sensing
655	Development and validation of spectral models for prediction of soil properties in soils of Maharashtra	MSS NAGARAJU	Division of RSA, ICAR-NBSS and LUP, Nagpur
656	Analysing Temporal Trends of Climatic Variables and Its Relationship with Water Discharge for Dindori Watershed of Narmada Catchment	Manisha Singh	Indian Institute of Forest Management
658	Lichen probability mapping in Antarctica using machine learning on satellite remote sensing data	C. P. Singh	Space Applications Centre

660	Glacier Lakes Mapping using Google Earth Engine in Himachal Pradesh	Ravish Patial	National Institute of Technology Hamirpur
661	Surge of Hispar Glacier, Pakistan, between 2013 and 2017 detected from remote sensing observations	Heena naz	University of Kashmir
663	Capturing the Properties of Zemu Glacier in the Sikkim Himalayas using Satellite Remote Sensing	Sandeep Kumar Mondal	Indian Institute of Technology Guwahati
664	Better decision making of soil and water conservation through democratize scientific information	Chiranjit Guha	Foundation for Ecological Security
667	Time series mapping of water quality parameters of Chembarambakkam lake using sentinel 2 data	RAGHUL M	VELLORE INSTITUTE OF TECHNOLOGY
668	SWOT Hydrology Simulator set up for River Discharge estimation over Narmada River Basin	Shard Chander	Space Applications Centre
669	Understanding the dynamics of the Zanskar group of glaciers using surface velocity derived from remote sensing data	Nufaisa Farooq	University of Kashmir
670	Assessing intra-annual and seasonal vegetation trends in Alaknanda River basin, Uttarakhand: An outcome of 40 years of Earth Observation time series data	Neeti Neeti	Azim Premji University
671	Impact of Cyclone Titli on Vegetation Damage	Kadali Srikanth	IIT Bhubaneswar
672	Inter-comparison of Long-Term Trends of Rainfall for Hydrological studies over Meteorological zones and major River Basins of India	Saurabh Choubey	Central University of Gujarat, Gandhinagar
673	Monitoring Slow Landslide Movement along the Northern Railway Track in Jammu & Kashmir using SAR Interferometry	Y. S. Rao	Indian Institute of Technology Bombay
675	Estimating Temporal and Spatial Variations of Partial pressure of Carbon dioxide from Remotely Sensed Biogeochemical and Bio-optical Parameters.	Anju R	ICAR-Central Marine Fisheries Research Institute, Kochi

676	Role of Geophysical Parameters in Influencing the Activity of Atlantic Ocean Hurricanes	Sidha Sankalpa Moharana	School of Earth, Ocean and Climate Sciences, Indian Institute of Technology Bhubaneswar
677	Decadal change in Vegetation Condition in Marathwada , Maharashtra-A Geospatial Approach	Mohini Narnaware	Maharashtra Remote sensing Application Center
678	Quantitative evidence that sub-quarks like particles were remotely viewed, a possibility supported by holographic model of the Universe.	surendra singh pokharna	Science and Spirituality Research Institute
679	Inter Sensor comparison of Continental scale land surface albedo derived from INSAT-3D and MODIS Sensors	Vishal N Pathak	St' Xaviers Science College, Ahmedabad
680	Simultaneous multi-field spectral response measurement of wide FoV Electro-optical imaging sensors	Thathaiah Puppala	Scientist/Engineer-SD
681	Study of Atmospheric Clouds using a Lidar, Satellite and Reanalysis datasets over Udaipur	Dharmendra Kumar Kamat & Som Kumar Sharma	Physical Research Laboratory, Ahmedabad
682	Seasonal Dynamics of Chlorophyll Concentration in the north Indian Ocean based on Satellite observations and numerical Model.	R K Nayak	National Remote Sensing Center/Indian Space Research Organisation
683	Assessing Climate change using different Meteorological Parameters Over Bhubaneswar and surroundings	Dikshika Mahapatra	Indian Institute of Technology Bhubaneswar
684	Flow Regime assessment of River Basins in Himachal Pradesh	Munish Kumar	National Institute of Technology Hamirpur
685	Identification and Mapping of Bamboo growing in selected site of North Eastern region of India areas using PRISMA satellite data	Dhruval Bhavsar	North Eastern Space Applications Centre, Umiam, Meghalaya
688	Development of Forest Loss monitoring system over North Eastern Region of India using Google Earth Engine	Dhruval Bhavsar	North Eastern Space Applications Centre, Umiam, Meghalaya

689	Spectral and Special Quality Evaluation of High-resolution Pan-sharpened Data for Information Extraction in Urban Area.	Sujata Ghosh	Advanced Data Processing Research Institute (ADRIN)
690	A systematic review of current knowledge on the impact of climate change on India's biodiversity: trends, and gaps	Debanjan Sarkar	Wildlife Institute of India
691	Detection of Heat wave using Land Surface Temperature products of INSAT-3D, MODIS and Meteorological Air Temperature Data over Gujarat during March 2022	Parthkumar N. Parmar	N. V. Patel College of Pure and Applied Sciences
692	Soil Moisture Estimation through Synthetic Aperture Radar (SAR) Data	Gavali Madhuri Dilip	Indian Institute of Remote Sensing, ISRO, Dehradun
693	Bhuvan CDMA - A Geospatial Application for Urban Tax Planning	R S Vijay Krishna	National Remote Sensing Center
695	Spatial Analysis of Precipitation, Drought and Groundwater level in Tamil Nadu State – A Geoinformatics Approach	K. Kumaraswamy	Bharathidasan University
696	Standoff detection of Novel Corona Virus by Laser induced Fluorescence (LIF) Method	Dr. P. Sudhakar	Geethanjali College of Engineering And Technology
697	Blockchain Technology - Introduction and Perspective for Space Applications with a Geospatial Use Case	Ashutosh Gupta	SPACE APPLICATIONS CENTRE, ISRO
698	Rainfall induced landslides and their impact on large wood budget in a mountainous stream	Lasyamayee Lopamudra Sahoo	Indian Institute of Technology Guwahati
699	Digital mapping of soil properties of Vidarbha region with legacy data and minimum sampling	Nirmal Kumar	ICAR National Bureau of Soil Survey and Land Use Planning
700	Development of an integrated system for effective planning and monitoring of Crop Cutting Experiments (CCE) for the state of Meghalaya	B. K. Handique	North Eastern Space Applications Centre

701	Utilization of GNSS Receivers in Regional Geophysical Gravity Surveys	S. Bangaru Babu	Geological Survey of India Training Institute, GSI Complex, Bandlaguda, Nagole, Hyderabad – 500 068
702	Performance of the MODIS nFLH algorithm in Coastal and Open Ocean waters from period 2012-2018: A Case Study	Y Umamaheswara Rao	Andhra University & NRSC
703	Endmember Variability Based Spectral-Spatial Weighted Sparse Unmixing for Abundance Estimation of Red and Black Soil over Sparsely Vegetated Areas Using AVIRIS-NG Image	Touseef Ahmad	Space Applications Centre, Ahmedabad
704	Enabling Transparency and Efficacy in Governance using Geospatial Technology: A Web- application for the State of Rajasthan	Prof. Seema Jalan	Mohanlal Sukhadia University Udaipur
705	Maize crop phenological studies with Sentinel-1 polarimetric SAR data	C. Das	North Eastern Space Applications Centre
706	Mapping of spatial distribution of Tropical Tasar primary host plants in Jharkhand using advanced geospatial techniques	T. Sarmah	North Eastern Space Applications Centre
707	Use of earth observation satellites for routine monitoring of Indian mangroves; a comparative study carried out in Kerala and Andhra Pradesh, India.	P Pranav	Central Marine Fisheries Research Institute
708	Identification of the Southwestern Bay of Bengal Coastal Upwelling Zone using Clustering	Sthitapragya Ray	IIT Bhubaneswar
709	Machine learning techniques to map mangroves in the Coringa wildlife sanctuary Andhra Pradesh, India	P Pranav	Central Marine Fisheries Research Institute
710	Rainfall induced landslides and their impact on large wood budget in a mountainous stream	Lasyamayee L Sahoo	IIT Guwahati
711	Predicting Yields of Rabi Wheat Crop Using Daily NDVI Data for Insurance Applications	Upelina Bina Murmu	National Institute of Technology Rourkela

713	Technology Assisted Spatial Decision Support System for Livestock Management	Prithivi K	Digital University of Kerala
714	Snow depth retrieval in Polar Ural using L-band SAR	Gulab Singh	Indian Institute of Technology Bombay
715	Healthcare Facilities & Its Accessibility in the Tribal Dominated Dahod District of Gujarat, India	Dr. Ashishkumar Upadhyay	Sabarmati University
716	Estimation of groundwater storage change at small basin scale using GRACE time series data: a case study of the Subarnarekha River Basin, India	Farhin Tabassum	Birla Institute of Technology, Mesra, Ranchi
717	Volume Estimation of Municipal Solid Waste using UAV Remote Sensing – A case study of Vijayawada Municipality, Andhra Pradesh, India	Abhrankash Kanungo	Andhra Pradesh Space Applications Centre (APSAC), ITE & C Dept., Govt. Andhra Pradesh
718	A GIS-BASED LANDSLIDE SUSCEPTIBILITY MAPPING TO HIGHLIGHT POTENTIAL HAZARD ZONES IN NAINITAL DISTRICT	Lakshya Tripathi	Indian Institute of Technology (Indian School of Mines), Dhanbad
719	Estimation of Surface Ice Velocity of Drang Drung Glacier, Western Himalaya using COSI-Corr from Landsat Images	Suhail Ahmad	University of Jammu
721	Temporal trend analysis and runoff sensitivity to rainfall and air temperature of Tawi catchment, Western Himalayas	Komal Kumar Singh	University of Jammu
722	Spatiotemporal variability of extreme temperature indices and its relation with forest fire incidences over different Biogeographic Zones of India	Madhusmita Murmu	Indian Institute of Remote Sensing, ISRO, Dehradun, India
723	Use of Cartosat Imagery for identifying erosional surfaces in the Pokso sub-watershed, Jharkhand	Dr. Abira Dutta Roy	Bankura Zilla Saradamani Mahila Mahavidyapith
724	Snow Cover Area variability during heatwave in early summer 2022 over North-west Himalayn sub-basins	Sai Krishna C	npsc
725	The digital cadastral information and RS satellite data in natural resource monitoring and accounting - Geospatial Technology, Journey from data to	Dr. S. Jane Mithra	Kerala State Remote sensing & Environment Centre

	intelligence		
726	Biophysical Parameter Retrieval from temporal Sentinel images and Inter comparison with MODIS and PROBA products	Ammaladinne Tharun Kumar	Professor Jayshankar Telangana State Agricultural University
728	Satellite-Based Crop Evapotranspiration Estimation by using Basal Crop Coefficient and Potential Evapotranspiration Approach	Landge Omkar Prakash	Indian Institute of Remote Sensing
736	Site suitability modeling for coral recruits with reference to calcareous algae in selected locations in Palk Bay region	Senthilnathan Lakshmanan	Department of Marine Biotechnology, AMET Deemed to be University
737	Impact of land-use systems on soil organic carbon and its projection in north-western India	Manju Sharma	Panjab University
738	A comparison of pixel-based and object-based image analysis with Machine Learning Algorithms for Heterogeneous Horticultural landscapes.	Manjunath C B	Vikram Sarabhai Space Centre
739	Detection of late blight of potato by integrating epidemiological, proximal and remotely sensed data	Raj Setia	Punjab Remote Sensing Centre, Ludhiana
740	Mapping the Changing Blue Cover of Ahmedabad city of Gujarat, India using satellite data	Aditya Vaghela	Pandit Deendayal Energy University
743	A cloud based Mapping of Flood Disasters in Cities for effective preparedness	KISHORE KOWTHAM	Institute of Remote Sensing, Anna university, Guindy, Chennai
744	Analysis of AVIRIS-NG Hyperspectral Remote Sensing Data for Mapping Talc Mineral Types at the Amba Mata Mines, Rajasthan	Anshika Gupta	Indian Institute of Technology, Roorkee
745	Touching the Untouched: Implications of geospatial tools in mapping the reservoirs for fisheries development	Kanchi Bhargavi	National Fisheries Development Board, Government of India, Hyderabad
748	Evolution_and_Future_of_AI	alisetodeh	Lacking

749	Climate and Land use change scenarios on the Hydrological Response of Suketi Watershed, Himachal Pradesh, India	Mayank Upadhyay	Indian Institute of Technology, Roorkee
750	GIS Applications during Covid Management - Telangana Experience	Maj (Dr) G Shva Kiran	Commissioner and Director Municipal Administration CDMA-Telangana
751	SPATIOTEMPORAL CHANGES IN LAND TERMINATING GLACIERS IN CONTRASTING TOPOGRAPHIC ZONES OF JAMMU AND KASHMIR REGION	Mansha Bashir	University of Kashmir
752	"Hydro dynamics Assessment of Rapti River in Balrampur and Gorakhpur District by Geospatial Techniques"	Dr. Harit Priyadarshi	Mangalayatan University, Aligarh
753	Inter Drone Cooperation using robust video analytics for tracking moving objects on ground	Amitesh Raman Mishra	ADRIN, ISRO
755	UAV data decision support system and content summarization	Ravi Kumar Singh	ADRIN, ISRO
759	Effective Multi-satellite Synthetic Aperture Radar (SAR) data Planning for Disaster Support	A.V. Ramani	National Remote Sensing Centre/ISRO
760	A Novel Two Stage upscaling Approach for Validation of SMOS Derived Soil Moisture	parul patelA Novel Approach for Validation of SMOS	Space Applications Centre/ISRO
761	Mapping forest canopy height using machine learning approach by coupling GEDI and Sentinel-1 data	Abhishek Aswal	Indian Institute of Remote Sensing
762	Mapping the changing green cover of Ahmedabad city during 2003-21 using remotely sensed NDVI data and Statistical Analysis	Anurag Kandya	Pandit Deendayal Energy University
763	Local and community based climate resilient programs - Government of Assam initiatives, a step towards India's net zero commitment by 2027	PLN Raju	Science, Technology and Climate Change Dept, Govt. of Assam