

**Accepted Abstract for oral/poster presentation in 2nd International
Conference on Geospatial Science and Technology for Earth Observation
(GSTEO 2023)**

with special reference to environment and land degradation

Abstract ID	Abstract Title	Author (s) name	Session Type	Day
GSTEO-001	Sustainable Urbanisation and Making of Smart & Resilient Green City: Case Study of New Town, Kolkata in Context of Recent LULC Change at a Geospatial Glance.	Subhashish Dey* and Sk. Rabbani basha	Oral	1
GSTEO-003	Identification of Woman Trafficking Hotspots: A Study on Canning I Block, South 24 Parganas District, West Bengal	Ambar Subhra Mallick*, Supratim Karmakar	Poster	1
GSTEO-005	Use of geoinformatics in potential hazard zonation and disaster shelter suitability mapping for disaster management in the South 24 Parganas	Rituparna Hajra* and Sk. Rabbani basha	Oral	2
GSTEO-006	Geospatial Inventory on Displacement of Rural Settlements and Agricultural Land Degradation Due to Stone Quarrying in Birbhum District, West Bengal	Suniti Hembrom*, Prof. Saibal Kar and Sk. Mafizul Haque	Oral	1
GSTEO-013	Impact of Climate Variability and LU/LC Changes on land degradation Dynamics: A Mithri Watershed Case Study	Priyanshu Nathawat*	Oral	1
GSTEO-014	Land use land cover dynamics and impact on land surface temperature: A case study of Palghar-Thane district.	Vikas Bhagat	Oral	1
GSTEO-016	Significance of Hot Spot Analysis in Urban Crime Study: A Geospatial Discourse	Ashit Modak, Kasturi Mukherjee, Supratim Karmakar*	Poster	1
GSTEO-017	Spatio-Temporal Dynamics of Thermal Environment of Kolkata Metropolitan Area -A Thermal Remote Sensing Perspective	Titir Metey* and Abhisek Santra	Poster	1
GSTEO-019	Predicting LULC change using CA-ANN model and forecasting LST through machine learning: A case study of Bangalore (Urban), India	Md Atik Nawaz* and Sakshi	Oral	1

GSTEO-020	Socio- Infrastructural Scenario of The Potters of Kumartuli, Kolkata, West Bengal	Hrileena Chowdhury*, Supratim Karmakar and Suman Chatterjee	Oral	1
GSTEO-024	Measuring Economic Well-being and Quality of Life of Weavers' Community: A Study on Santipur Census Town, Nadia District	Ruchira Gupta* and Supratim Karmakar	Oral	1
GSTEO-025	Estimating Above Ground Biomass (AGB) and Carbon Stock in the Indian Sundarbans using Satellite-Derived Vegetation Indices	Sinchan Banerjee*, Tuhin Bhadra*, Surajit Ghosh, Abhra Chanda, Soumak Roy, Roshan Das, Rupayan Sardar, Abinit Saha, Kasturi Mukherjee	Oral	2
GSTEO-027	Impact of Stone Quarrying on Forest and Livelihood: Study on Tribal Forest Fringe Village, JFB, Purulia District, West Bengal.	Samir Pramanik* & Dr Bela Das	Oral	2
GSTEO-028	Assessing the Land Degradation Scenario of Khoai Area, Bolpur, West Bengal	Mallar Basu*, Ashit Modak, Supratim Karmakar	Oral	1
GSTEO-029	Assessing the Agricultural Vulnerability in Indian Sundarbans Using Geoinformatics and Multi-Criteria Decision Analysis	Soumak Roy*, Tuhin Bhadra*, Rupayan Sardar, Sinchan Banerjee, Roshan Das, Kasturi Mukherjee, Abinit Saha	Oral	2
GSTEO-030	Spatio Temporal Dynamics of East Kolkata Wetlands – A Geoinformatics Approach	Karabi Basu* and Abhisek Santra	Oral	1
GSTEO-032	Assessment of Air Quality Using Sentinel 5P Imagery at Selected Sites in Jaipur, India	Ruchi Dangayach* and Ashutosh Kumar Pandey	Oral	2
GSTEO-033	Retrieval of Satellite-Derived Agro-meteorological Parameters Using Remote Sensing and GIS for the Ri-bhoi district of Meghalaya	Evakordor Jyrwa*, R.K Singh, Jonali Goswami	Oral	2
GSTEO-034	Identifying The Vulnerable Places of The LGBTQ Community	Riyanka Sengupta* and Supratim Karmakar	Oral	1
GSTEO-035	Shoreline Change Assessment in Ghoramara Using DSAS Model	Debisha Ghosh* and Anu Rai	Oral	1
GSTEO-036	Modeling Post-Covid Medical Tourism Motivators and Experience: A case study on Kolkata	Kasturi Adhikary*, Anu Rai	Oral	1

GSTEO-037	Identification of Ground Water Potential Zone in The Western Gangetic Delta Using Geoinformatics and Multi-Criteria Decision Analysis	Roshan Das*, Dr. Tuhin Bhadra*	Oral	2
GSTEO-038	Micro-level planning for sustainable Flood Management in Ghatal Block, West Midnapore	Asmita Chakraborty*, Kasturi Mukherjee, Tuhin Bhadra, Manisha Baral, Soumak Roy, Pratik Dash	Oral	2
GSTEO-039	Flood Susceptibility & Management of Dwarakeswar River	Debadrita Dey*, Partha Basu	Oral	2
GSTEO-040	Analysis of Droughts and Future Trends Using Gravity Recovery and Climate Experiment (GRACE)	Nadeem Akhtara, Mohd Sayeed Ul Hasana*	Oral	2
GSTEO-041	Physical Factors Influencing Paddy Crop Yield in East Bardhaman District of West Bengal	Simran Kumari Sah*, Dr. Abhishek Santra	Oral	2
GSTEO-042	Seasonal Variability in Thermal Environment and Its Relationship with Socio-Physical Variabilities in Burdwan Planning Area	Most Nazlin Yeasmin*, Rajib Sarkar	Poster	1
GSTEO-043	Dynamics and Drivers of Water Use Efficiency in North East India	Mallika Bhuyan*, C. Jeganathan, G. S. Pujar	Oral	2
GSTEO-045	A Review on Remote Sensing Approach of Modelling Bathymetry with A Case Study of Hooghly River	Sayanti Dey*, Suman Chatterjee	Oral	2
GSTEO-046	Landslide Hazard Zonation Using Geoinformatics- A Study of Northeast India	Roshan Das*, Jitajitya Barh, Asmita Chakraborty, Riyanka Sengupta, Debadrita Dey, Priya Majumdar, Mehuli Baidya Ray, Suchanda Ghanty, Dr. Abhishek Santra	Poster	1
GSTEO-047	Systematic Change Detection Approach of Uttar Dinajpur District in West Bengal Using Geospatial Technique	Santosh Kumar Das*, Nirmalendu Barman, Sabita Soren	Oral	1
GSTEO-048	Assessment Of Spatial Interaction on Landscapes Transformation Through Machine Learning Algorithm: A Case Study of Indo-Bangla Land Corridors	Pradip Debnath*, Stabak Roya, Saptarshi Mitra	Oral	1
GSTEO-049	Channel avulsion and Morphological changes of Dwarakeswar River under the impact of flood	Priya Majumder* and Dr. Partha Basu	Oral	2

GSTEO-050	Spatiotemporal Assessment of Changes of Vegetation Cover and Shorelines, In Indian Sundarbans (1990- 2020)	Sayanika Si*, Suman Chatterjee, Anu Rai	Poster	1
GSTEO-051	Identification of Changing Nature of Cyclone Track in Bay of Bengal Using Multivariate Statistics	Mehuli Baidya Roy*, Rajib Sarkar	Oral	2
GSTEO-052	Analysing Urban Green Infrastructure on Service and Utility Quotient-A Case Study of Kolkata (KMC) India	Suchanda Ghanty*, Rajib Sarkara	Oral	1
GSTEO-053	Rainfall-Runoff Erosivity Factor Estimation and Correlation with Anthropogenic Interference-A Case Study at Micro Water Shed Level in Subarnarekha – Kangsabati Interfluve Area	Debasish Chowdhury*, Rajib Sarkar	Oral	2
GSTEO-054	Assessing the Thermal Discomfort and The Potential Effect on Human Health of Different Municipality and Municipal Corporation of Kolkata	Aniket Saha*, Kasturi Mukherjee	Oral	2
GSTEO-055	Monitoring the Spatiotemporal Change of Land Use and Land Cover in and around the Paleochannel Network of the Western Ganges Delta using Geoinformatics	Rupayan Sardar, Roshan Das, Tuhin Bhadra*, Kasturi Mukherjee, Abinit Saha	Oral	1
GSTEO-056	An Integrated Approach for Climate Change Risk Assessment in Kerala	Sayani Sengupta*, Kasturi Mukherjee	Oral	2
GSTEO-057	Land Use Land Cover Change Dynamics in the Sagar Island with Spatial Reference to Agricultural Land Classification	Jitajitya Barh*, Soumak Roy, Tuhin Bhadra	Poster	1
GSTEO-058	Monitoring the Land Use and Land Cover Dynamics in and around the River Suti Using Geoinformatics	Aritra Mandal*, Rupayan Sardar, Roshan Das, Rajib Sarkar, Tuhin Bhadra	Oral	1
GSTEO-059	Monitoring the Land Conversion in Indian Sundarbans using Geoinformatics	Chandralekha Bandyopadhyay*, Tuhin Bhadra, Suman Chatterjee	Oral	1
GSTEO-060	Identification of Water Deficit Blocks in Indian Sundarbans Using Geoinformatics	Shishir Singh*, Ayush Dutta, Tuhin Bhadra	Poster	1
GSTEO-061	Assessment of Socio-Economic Vulnerability of Pachmarhi Cantonment Area, Madhya Pradesh	Chayanika Ghosh*, Saheli Saha, Debanjali Banerjee, Raka Hazra, Dipanwita Roy, Sneha Samanta, Meddela Anisha Khushi, Brishti Biswas, Anu Rai,	Poster	1

		Suman Chatterjee, Supratim Karmakar		
GSTEO-062	Analysis of Groundwater Quality Using Spatial Statistics: A Case Study of Bankura District	Anirban Biswas*, Megha Nandi, Swagata Sarkar, Shrabona Kundu, Riya Polley, Trina Majumder, Rajib Sarkar	Poster	1
GSTEO-063	Economic Valuation of Carbon Sequestration in the Indian Sundarbans Using InVEST Model	Subrata Mitra*, Rajib Sarkar, Tuhin Bhadra	Poster	1
GSTEO-064	Greywater Footprint: A Bibliometric Analysis	Debi Bhattacharya*, Kasturi Mukherjee, Jitendra Kumar Pandey	Oral	2