

**Selected abstracts of the 5th Regional Science and Technology Congress - 2022 to be held on 11th and 12th January 2023  
at University of Gour Banga, Malda, W.B.**

<b>Presenting author's name</b>	<b>Address/Affiliation with phone number and email ID of presenting author</b>	<b>Title of abstract</b>
Gopal Chandra Paul	Research scholar, University of Gour Banga; Email: gopalpaul.0321@gmail.com	Crop Water-satisfied Degree Analysis using Remote Sensing Data in Bansloi River Basin, Eastern India
Indrajit Mandal	Research scholar, University of Gour Banga; Email: indrajitgeofarakka@gmail.com	Stone Quarrying and Crushing Activities and Human Health Crisis
Pousali Majumder	Department of Geography, Vidyasagar College, Kolkata, West Bengal 700006; Email: pousalimajumder1995@gmail.com	Coseismic Deformation of the 2021 Sonitpur Earthquake (Assam) using D-InSAR technique
Rumki Khatun	Research Scholar, Dept of Geography, Kazi Nazrul University, Asansol, West Bengal, India- 713301; Email: rumkikhatun5@gmail.com	Integrating Remote Sensing with Artificial Intelligence for Modeling Wetland Habitat Quality State: A Study of Rarh Tract in West Bengal
Anik Saha	Research scholar, University of Gour Banga; Email: aniksahamalda@gmail.com	LULC and climate change and landslide susceptibility: A look to the past and towards the future
Priyanka Gogoi	M.Sc., Department of Geography, University of Gour Banga, Malda, West Bengal, India, 732101; Email: priyankag19161@gmail.com	Modelling spatial drought vulnerability applying machine learning algorithms in Karnataka, India
APARNA BARMAN	M.Sc., Department of Geography, University of Gour Banga, Malda, West Bengal, India, 732101; Email: aparnageo99@gmail.com	Assessment of landslide vulnerability in Nilgiri district of Tamil Nadu, India using advanced machine learning techniques
MANOB DAS	Research scholar, University of Gour Banga; Email: dasmanob631@gmail.com	Coupling relationship between urban resilience and urbanization quality: insights from a megacity of the global south (India)
Dr. Snehasish Saha	Assistant Professor, Department of Geography & Applied Geography, University of North Bengal, Darjeeling-734013, West Bengal, India; Email: snehasishsahanbu1979@gmail.com	Riverine geomorphogenesis and Land use Landcover dynamics in the active floodplains of Malda District using GIS analytics, West Bengal, India
Tanay Das	PG student, Department of geography, University of Gour Banga, West Bengal, India. Mob- 8972481801; Email: www.tanay8972@gmail.com	Impact of Green and Blue Spaces on Thermal Environment

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Mantu Das	Junior Research Fellow, Department of Geography & Applied Geography, University of North Bengal, Raja Rammohunpur, Darjeeling-734013, West Bengal, India; Email: rs_mantudas@nbu.ac.in	Hydro-morphodynamic behaviour of the Kaljani river in Himalayan foothill region of India: an approach to river health
Apurba Sarkar	Research Scholar, Department of Geography University of GourBanga Malda, West Bengal, India; Email: apurbasarkar.ugb@gamil.com	Analysis of thenexus between spatial pattern of urban green spaces and urban land surface temperature in the Siliguri Metropolitan area of West Bengal, India
Biswajit Roy	Student, Department of Geography (M.Sc), University of Gour Banga, Malda, 732103 West Bengal, India; Email: biswajitroy736157@gmail.com	ASSESSING THE SHIFTING OF THE RIVER GANGA ALONG MALDA DISTRICT OF WEST BENGAL
JAGAT MANDAL	M.Sc. Student, Department of Geography, University of Gour Banga, Malda 732103, West Bengal; Email: jagatmandal2000@gmail.com	Spatio-Temporal Analysis of Drought Risk In Gujarat, India
Md Tushar Ali	Student, Department of Geography, University of Gour Banga; Email: mdtusharali5462@gmail.com	Evaluation of Cultural Ecosystem Services: A Case Study of English Bazar Municipality, Malda
Kalikinkar Das	<sup>1</sup> Ph.D. Scholar, Department of Geography, University of Gour Banga; Email: geokinkar@gmail.com	Spatial Differences in Cultural Ecosystem Services: based on Peoples' Perception in Malda District
Kanu Mandal	Research scholar, Deptt. of Geography, University of Gour Banga, Malda; Email: kanumandal666@gmail.com	Assessment of factor of safety (FS) by Finite Element Limit Analysis (FELA) model of the Rorachu river basin of Eastern Sikkim Himalaya
Taramoni Murmu	M.Sc. Student, University of Gour Banga, Mokdumpur, Malda-732103, West Bengal, India; Email: taramonimurmu2@gmail.com	State Level Analysis of Drought Risk in Rajasthan, India
SUMAN SINGHA	M.Sc. Geography, Department of Geography, University of Gour Banga, Mokdumpur, English Bazar, Malda, West Bengal, 732103; Email: sumansingha561@gmail.com	Mapping wetland vulnerability and identifying drivers for management purpose: Insights from a Ramsar site, (India)

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AMIT SARKAR	Ph. D Research Scholar, Department of Geography and Applied Geography, University of North Bengal; Email: amitnbu123@gmail.com	Land use and land cover changes under the influence of channel migration of Torsa River, West Bengal
JAYANTA MONDAL	Ph.D. Scholar, Department of Geography, University of Gour Banga; Email: jayantamondal007@gmail.com	Exploring gender-specific cultural ecosystem services perspectives in a cultural heritage site, India
Kunal Chakraborty	Research scholar, Department of Geography & Applied Geography, University of North Bengal; Email: kunalgeo92@nbu.ac.in	Documenting geomorphic evolution of Diara region in Lower Ganga Plain, Eastern India using geoinformatics
Gargi Ghosh	M.Sc. Geography, Department of Geography, University of Gour Banga, Mokdumpur, English Bazar, Malda, West Bengal, 732103; Email: gargighosh153@gmail.com	Proposing an Indicator based novel approach for exploring the degree of rainfall alteration
Doli Halder	M.Sc. in Geography, University of Gour Banga, India; Email: dolihalder38@gmil.com	Identifying heat and cold wave susceptible areas of India using consistency and frequency coupled novel approach
BIPLAB MANDAL	Research scholar, Kazi Nazrul University, Asansol, Paschim Bardhaman-713340, West Bengal, India; Email: biplab.malda001@gmail.com	Assessing landslide susceptibility and Risk on Lish-Gish-Chel River Basins in Darjeeling Himalayan Region, India
Pranay Paul	Research Scholar, Department of Geography, Raiganj University, Uttar Dinajpur, West Bengal, 733134; Email: paulpranay123@gmail.com	River Course Shifting and Impact Assessment on Landuse and Soil Characteristics
Md Aslam Sk	PG Student, Department of Geography, University of Gour Banga; Email: mdtusharali5462@gmail.com	Monitoring And Modelling Urban Growth Patterns and Trends Using Spatial Metrics in Berhampore Urban Agglomeration, Eastern India
Smita Saha	Ph.D. research scholar, Department of Geography, Raiganj University; Email: smita.bhattacharjee12@gmail.com	Inter-Ward Disparities in Urban Facility-Utility Services: A study on English Bazar City of Malda district, West-Bengal, India

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Jayanta Das

Department of Geography, Rampurhat College, A comparative assessment of five probabilistic models for landslide prediction  
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Email: jayanta.daas@gmail.com, ORCID: 0000-  
0003-0995-9114