



Two Day International Seminar

on



Climate Extremes and Sustainability : Integrating Geospatial Perspective For Resilient Futures

May 14 – 15, 2025

(HYBRID MODE)

Organized by

**Department of Geography
Vidyasagar College**

in collaboration with

IQAC, Vidyasagar College

39, Sankar Ghosh Lane
Kolkata, West Bengal 700006

And

**Integrated Institute For
Advanced Research And
Information (IIARI)**

Venue

Vidyasagar College, Kolkata

www.vidyasagarcollege.edu.in



REGISTRATION LINK

<https://forms.gle/5io8eDwLQ69krHjt8>



An Invitation

The Department of Geography of Vidyasagar College along with the Integrated Institute for Advanced Research and Information (IIARI) is seeking to organize and conduct an International Seminar on “Climate Extremes and Sustainability: Integrating Geospatial Perspective For Resilient Futures” for two days on May 14th & 15th, 2025 at Vidyasagar College, Kolkata, West Bengal, India. The objectives of the seminar is to serve as a basic platform for all scholars of geography and related fields to convene. Furthermore, the seminar will be opened up for paper submission by young geographers which will help & inspire them to enhance their understanding of geography and shaping its future.

About the Seminar

Climate extremes pose significant threats to sustainability, necessitating a geospatial approach to resilience planning. Assessing the frequency, intensity, and spatial distribution of climate extremes using GIS and remote sensing aids in risk assessment and disaster preparedness. Sustainable urban and rural development strategies must integrate climate resilience, ensuring adaptive infrastructure and equitable resource allocation.

Geospatial technologies, including AI-driven climate modeling, enhance early warning systems and impact analysis, supporting adaptive measures for vulnerable communities. Climate variability profoundly affects water security, sanitation, and resource management, requiring hydrological modeling and climate-responsive policies. The socio-economic implications of climate-induced displacement underscore the need for inclusive governance, ensuring livelihood security and sustainable migration planning.

Ecosystem-based approaches, such as wetland conservation, afforestation, and sustainable agriculture, offer nature-based resilience strategies to mitigate extreme climate impacts. Aligning policy frameworks with the SDGs ensures proactive governance in climate adaptation and disaster risk reduction.

By integrating geospatial perspectives across these domains, policymakers, researchers, and stakeholders can foster resilient futures, bridging the gap between scientific innovation and sustainable development.

Sub-Themes

The conference welcomes research papers, case studies, and conceptual frameworks under the following sub-themes:

A. Climate Extremes and Risk Assessment

Understanding the frequency, intensity, and spatial distribution of climate extremes using geospatial techniques.

B. Sustainability and Climate-Resilient Development

Strategies for sustainable urban and rural planning in the face of climate-induced challenges.

C. Geospatial Technologies for Climate Adaptation

The role of remote sensing, GIS, and AI in monitoring and mitigating climate extremes.

D. Water Security and Climate Variability

Assessing the impact of climate extremes on water resources, sanitation, and sustainable management.

E. Human Geography and Climate-Induced Displacement

Exploring migration, urbanization, and socio-economic vulnerabilities due to extreme climate events.

F. Environmental Pollution and Climate Resilience

Anthropogenic Pollution, Pollution-Stressed Regions, Pollution-Induced Climate Risks, Policy Frameworks.

G. Extreme Weather Events and Public Health

Examining the health risks of climate extremes, including heatwaves, floods, and vector-borne diseases.

H. Climate Vulnerabilities and Social Issues

Change of occupation, Climate Refugee, Force Migration, Climate Induced Poverty and other social issues.

I. Policy, Governance, and SDGs for Climate Resilience

Aligning global, national, and local policies with the SDGs to foster climate-resilient communities.

□Paper should not be limited to the theme or subtheme.



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Call for Abstracts

We invite abstracts on the conference themes or related topics. Submissions should not exceed 300 words and must be typed in Times New Roman, 12 pt. font, with double spacing and 2.5 cm margins on A4-sized paper. Include at least five italicized keywords below the abstract.

Please send your abstract in MS Word format to: pggeographyvsc@gmail.com

Important Dates

Abstract Submission Starts	01 April, 2025
Abstract Submission Closes	30 April, 2025
Notification of Acceptance of Abstract	02 May, 2025
Registration Starts	01 April, 2025
Registration Closes and Submission of Registration Fees	05 May, 2025
Date of Seminar	14 - 15 May, 2025
Full Paper Submission (For Selected Papers Only)	10 July, 2025

Mode of Payment

The registration fee needs to be paid through bank transfer, the details of which are given here under:

Account Details

A/C No: 50200085602307

A/C Name: VIDYASAGAR COLLEGE DEPT OF GEOGRAPHY PG

IFSC: HDFC0007278

Bank Name: HDFC Bank

Branch Name: BIDHAN SARANI Br.

Registration Fee

Students (UG/PG)	Rs. 500/-
Research Scholars	Rs. 1500/-
Academicians:	Rs. 2000/-



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Travel And Accommodation

Participants are responsible for arranging their own travel and accommodation. However, the organizers can assist with hotel bookings upon request.

Best Paper Awards

The organizers have established a recognition program to acknowledge the exceptional work of young researchers. For each technical session, a best paper award will be given if at least five presenters, who are under the age of 40, present their papers. To be considered for this recognition, participants must submit a completed registration form, along with their abstract and full paper, by the specified deadline.

Publication

The abstracts of the paper to be presented at the seminar will be published in an Abstract Volume and the selected papers through double side blind review will be published as proceedings in Springer Special book series.

About the College

Vidyasagar college, recognised by UGC and affiliated with the University of Calcutta, founded in 1872, it was the first private college (now State Government aided) in India. Formerly known as Metropolitan Institution, it was named after its founder Pandit Ishwar Chandra Vidyasagar in 1917. The college, presently offers a diverse range of undergraduate programs in 21 departments including nine in arts and humanities and twelve in science, alongside two postgraduate courses in Geography and Zoology. Additionally, the college has its own computer centre providing various certified courses and internship programmes for the students. Students are also engaged in various outreach programmes and the NSS unit of the college are engaged in various outreach programmes and activities for the benefit of the society.

Regular teaching and learning, continuous assessment and active mentor -mentee system, are the strength of the college which have been reflected in our commendable success rate, with several rank holders in various university-level examinations. Our teachers are actively engaged in research and innovation, thus creating an enriching educational environment for our students. Our college also has a dedicated Placement and Career Advancement Cell. This cell provides opportunities for students who wish to find job opportunities, facilitating on-campus and off-campus interviews with renowned organizations to ensure a smooth transition into professional life.

ICT is promoted among faculties and they are using this method for teaching in the classes. The college library boasts an extensive collection of 48,000 books and an archive of old records, providing invaluable resources for our students. The library also has subscribed to INFLIBNET which has a large collection of e-journals that can be used by the faculties and students for academic and research purposes. The institution has three campuses. Main Campus is located at 39, Sankar Ghose Lane, Kolkata 700 006. Second one is Bidhan Sarani Campus located at 17, Bidhan Sarani, Kolkata 700 006 and the third one is in Bidhan Nagar at CL Block of Salt Lake, Kolkata 700 091.



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About the Department

The Department of Geography of Vidyasagar College is one of the most prestigious and top-ranking departments among the colleges under the University of Calcutta. It offers both the undergraduate and post graduate courses in Geography under the University of Calcutta. With a capacity of approximate 60 students per semester (in both UG and PG section) the department is noted for its good academic records with more than 90% students securing first classes and pursuing higher studies. The departmental laboratory is well equipped with RS & GIS lab. The PG department has an advanced research centre under University of Calcutta. The faculties and the scholars of the Department are engaged in active research activities covering major fields of social cultural, economic geography as well as advanced geomorphology. At present there are 6 research scholars in the dept. The research works are all published in reputed Scopus indexed and web of science journals at regular intervals.



About IIARI

IIARI is a MSME, Govt. of India & ISO Certified Premier research organisation based on Kolkata. It focuses on integrated studies, program implementation, industry and market research. It mainly covers three domains which include academic development, industrial services and consultancy work. Application of various software, system of geographic information and illustration of different skill development programs are the key motto of the academic counterpart. Innumerable short-term courses are offered here, which provides hands-on training and projects that will help you to explore your interests and sharpen your skills to procure a competitive edge in the workspace.

Contact Info

For Further Details Please Contact : 9903808420, 8777845227, 9051309607, 8961725804



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International Resource Person



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Polish Academy of Sciences,
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Chair Professor
National Central University,
Taiwan



Prof. Zofia Raczowska
Polish Academy of Sciences,
Poland



Dr. Suryadeb Chakraborty
Senior Analyst,
University of Dubai, U.A.E



Prof. Dr. Md Najrul Islam
Professor
Jahangirnagar University,
Bangladesh



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National Resource Person



Dr. Kalyan Rudra
Chairman, West Bengal
Pollution Control Board



Prof. Malay Mukhopadhyay
Department of Geography
Visva-Bharati



Prof Subir Sarkar
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Applied Geography
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Prof. Sunil Kumar De
Department of Geography
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Prof. Sunando Bandopadhyay
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Prof. Sumana Bandhyopadhyay
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Dr. Ajit Kumar Sil
Department of Geography
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Prof. Ramkrishna Maity
Department of Geography
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Prof. Sanat Kumar Guchhait

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University of Burdwan



Prof. Biplab Biswas

Department of Geography
University of Burdwan



Prof. Shasanka Kumar Gayen

Department of Geography
Cooch Behar Panchanan
Barma University



Prof. Suman Paul

Department of Geography
Sidho-Kanho_Birsha University



Dr. Debasish Ghosh

Department of Geography
University of Calcutta



Dr. Debajit Datta

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Dr. Aznarul Islam

Department of Geography
Aliah University



Dr. Jayanta Das

Department of Geography
Rampurhat College



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Higher Education Dept.
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