



FIRST CIRCULAR

38th National Conference of the Indian Institute of Geomorphologists (IGI)

on

Geomorphology for a Resilient Planet: From Monitoring Earth's Pulse to Modelling its Pathways

: Date :

17th – 19th February 2027

: Organised by :

Department of Geography

Presidency University

Hindoo College (1817-1855),

Presidency College (1855-2010)

86/1, College Street, Kolkata – 700 073

Website: <https://indiageomorph.org>

Conference Email: 38thigipu2027@gmail.com

Namaskar & Welcome

We are honoured to host you in Kolkata—a city cradled in the living delta of the Ganga—for the 38th National Conference of the Indian Institute of Geomorphologists (IGI).

Here, where the ancient Indian Shield meets the young sediments of the Bengal Basin, you stand upon a testament to profound earth forces. This is a landscape sculpted by monsoonal fervour, tectonic whispers and the eternal dialogue between rivers and the sea.

We invite you to join this unique confluence, to present your work and to engage in enlightening discourses that will shape our understanding of Earth's dynamic visage.

Presidency University and Kolkata await you!

About the Conference:

The Annual National Conference of the IGI is one of the premier Geomorphology and Earth Science events in India's academic calendar. Continuously held since 1988 (with the 1st IGI National Conference being held at Andhra University, Visakhapatnam), it offers a broad-based platform for Geoscientists from across the country and abroad to engage in fruitful academic discussions and undertake collaborative research. It also promotes the engagement of students and young researchers in Geomorphology, by organizing the eagerly anticipated Young Geomorphologists' Competition.

Concept Note

Geomorphology, the science of Earth's surface processes and landforms, is central to understanding planetary resilience. India's diverse geomorphic settings—from the tectonically active Himalayas and the fluvial Indo-Gangetic plains to the arid Thar Desert and dynamic coastal margins—offer unparalleled opportunities for advancing this discipline. These landscapes reveal interactions among tectonic, climatic, and anthropogenic processes that shape terrain evolution and the physical basis of the nation's cultural and economic milieu.

The study of geomorphic processes is vital for addressing societal challenges. Climate change and human interventions have accelerated geosystem responses, creating new vulnerabilities while eroding natural buffers. Understanding geohazards—earthquakes, landslides, floods, droughts, and coastal storms—demands integrated approaches that bridge processes, forms, and evolutionary timelines across spatial and temporal scales, incorporating indigenous knowledge systems and eco-geomorphological perspectives.

Geomorphology also underpins sustainable development. Insights into river basin management, soil conservation, and hazard mitigation inform planning, infrastructure design, and resource management. Through geomorphosite documentation and geoheritage conservation, landscapes are valued not only for their resources but also for their cultural significance, further encapsulating traditional ecological insights. Embedding geomorphology in education strengthens environmental awareness among students, researchers, and policymakers, fostering interdisciplinary learning and resilience-oriented thinking.

Digital revolutions have expanded the discipline's scope. Advances in geoinformatics, remote sensing, AI/ML modelling, and geochronology now enable precise monitoring and more accurate forecasting of Earth's dynamic systems. These tools extend geomorphology from terrestrial landscapes to planetary analogues, enriching its philosophical and pedagogical dimensions.

The **38th National Conference of the Indian Institute of Geomorphologists (IGI)**, hosted by the Department of Geography, Presidency University, Kolkata, will explore how geomorphology contributes to a resilient planet—linking physical landscape monitoring, modelling, and management to sustainable futures. It will strengthen academic networks, promote innovative research, further the adoption of modern analytical techniques, and advance geomorphology's role in education, development, and policy integration.

Focal Theme

Geomorphology for a Resilient Planet:

from Monitoring Earth's Pulse to Modelling its Pathways

Sub-Themes

Sub-Theme 01:

**Earth Surface Processes & Landscape Expression:
Bridging Process, Form and Timescales**

01A	Tectonics, Hillslopes and Fluvial Dynamics
01B	Weathering, Soils and Critical Zone Science
01C	Glacial and Periglacial Landscapes
01D	Coastal and Aeolian Systems
01E	Sedimentary Records and Quaternary Landscapes
01F	Eco-geomorphological and Connectivity Approaches in Landscape Analysis
01G	Planetary Geomorphology using Earth Surface proxies
01H	Philosophy and Pedagogy in Geomorphology

Sub-Theme 02:

Geomorphic Response to Climatic and Anthropogenic Forcing

02A	Climate Change-driven Geomorphic Responses
02B	Anthropogeomorphic Effects and Landforms
02C	Managing landscapes through Geotechnical and Nature-based Solutions
02D	Geomorphic Markers and Archives of a Changing Planet, with Process Forecasting

Sub-Theme 03:
**Geomorphology in the Digital Age:
Frontiers in Measurement, Modelling and Solutions**

03A	Digital Revolutions and AI/ML-based Approaches in Geomorphology
03B	Landscape Evolution Modelling
03C	Geochronological Approaches and Advances

Sub-Theme 04:
Geomorphology and Development

04A	Assessing Geohazards and Risk in a Changing World
04B	Geomorphosite Documentation and Conservation
04C	Socio-hydrological Cycles and Ecosystem Services
04D	Traditional and Indigenous Geomorphological Knowledge Systems and Approaches



Young Geomorphologists' Competition

The Conference is pleased to announce a Competition for Early-Career Geomorphologists to recognize outstanding research. The "*Young Geomorphologist Award*" is open to individuals **below the age of 35**.

Eligibility and Submission:

To enter the Competition, eligible participants must indicate their interest during Registration, and submit the following documents:

- A single-author abstract (within 300 words) with 5-6 keywords.
- Brief CV, including proof of Date of Birth.
- A letter of recommendation from their research Supervisor or Head of Department.

Shortlisted candidates will be invited to present their papers in the Competition.

Award:

One winner will be selected to receive a certificate and a prize. The decision of the Committee of Judges shall be final.



Registration Guidelines

All participants must submit their [*Expression of Interest*](#) through the **official Google Form** ([*Get the Form Here*](#)) (*preferably use Adobe Reader to open this file to access the links*).

A. Registration initiation

1. Kindly fill in your details (name, affiliation, contact number, accommodation requirement, title of paper to be presented, and preferred mode of presentation – oral / poster). At the most, two Abstracts can be submitted by one Delegate for presentation (both modes combined).
2. Upload any documents: Research Scholar/ Student ID and YGC participation details (if applicable).
3. If you are a **presenter**: Upload your abstract in the prescribed **MS-Word template** ([*Get the Template here*](#)).
4. If you are an **attendee only**: Select “Attendee only” (no abstract required).

B. Confirmation and Payment

5. You will receive a confirmation email with your **Unique ID** and total payable amount after Abstract review and acceptance.
6. Make the payment through the designated **payment gateway** to complete your registration (link shall be provided for this in Abstract acceptance letter).
7. Submit your Conference Fee payment receipt with your **Unique ID** via the link provided. (*Registration fees are non-refundable.*)
8. Submit the **IGI Headquarter Fee** Receipt also, via the given link.

C. Accommodation

9. Shared accommodation is available on a **first-come, first-served basis** during online registration (*charges apply for four nights, on and from 16th February to 19th February, or till 22nd February for Workshop participants*).
10. Accommodation is **not guaranteed** for registrations made after the specified Abstract submission deadline.

D. IGI Headquarter Fee

The IGI Headquarter Fee is **separate** from the Conference fees. This must be paid and its receipt submitted along with the Conference Fee payment receipt.

Fee Amount

- Rs. 300 – Students and Senior Citizens (above 60 years)
- Rs. 600 – Faculty Members

Payment Details

Account Name: Indian Institute of Geomorphologists (IGI)

Account Number: 34630624623

IFSC Code: SBIN0001621

Bank & Branch: State Bank of India, Allahabad University Branch,
Prayagraj – 211002

New Memberships

The Life Membership Form for the IGI can be accessed via the link –

<https://forms.gle/s6mLoJiioRYrcF6x8>

Kindly contact the **[IGI Secretariat](#)** for payment norms and details.

E. Post-Conference Workshop (Optional)

- A Post-Conference Workshop on ***Research Methodologies in Geosciences*** will be held during **20–21 February 2027**, for interested participants.
- The Workshop (and accommodation for it, if needed) requires an **additional fee**, payable along with the Conference registration fees and IGI Headquarter fee.

F. Important Dates

- **Conference:** 17th –19th February, 2027
- **Registration & Abstract Submission:** 15th July – 31st December, 2026
- **Confirmation of Abstract Acceptance:** 20th July 2026 – 10th January 2027
(*shall be notified continuously as Abstracts are submitted and accepted*)
- **Payment Window:** 20th July, 2026 – 15th January, 2027
(*Conference Fee payment receipt and IGI Headquarter Fee payment receipt must be submitted via the provided link after Abstract acceptance*)
- **Post-Conference Workshop:** 20th – 21st February, 2027
(*separate registration fee is payable for the Post-Conference Workshop*)

Payment Details

Registration Type	Participant Type	Amount
Without Accommodation	Regular Delegate	Rs. 4000/-
	Student/ Research Scholar/ Retired Person	Rs. 3000/-
	Attendee (Not Presenting)/ Accompanying Person	Rs. 1000/-
	International Delegate	\$ 150
	Both Conference and Post-Conference Workshop	Rs. 6000/-
	Only Post-Conference Workshop	Rs. 2000/-
With Accommodation <i>[provided from 16th February (evening) to 20th February (morning), and extended till 22nd February (morning) for those also attending the Post- Conference Workshop]</i>	Regular Delegate	Rs. 6500/-
	Student/ Research Scholar/ Retired Person	Rs. 5500/-
	Attendee (Not Presenting)/ Accompanying Person	Rs. 3500/-
	International Delegate	\$ 300
	Both Conference and Post-Conference Workshop	Rs. 7000/-
	Only Post-Conference Workshop	Rs. 3000/-

The **Post-Conference Workshop** on **Research Methodologies in Geosciences** shall explore topics related to geochronology, use of analytical instruments, and data analysis in the geosciences. Delegates can pay the additional Workshop Fee together with the Conference Fee. Participants can also choose to attend *only* the Post-Conference Workshop, with or without accommodation.

About Us

The Indian Institute of Geomorphologists (IGI)

The Indian Institute of Geomorphologists (IGI) is the premier national platform dedicated to the advancement of geomorphological research in India. Its foundation was conceived at the International Conference on Geomorphology and Environment, held at the University of Allahabad in 1987.

Now affiliated to the *International Association of Geomorphologists*, the primary objectives of the IGI are:

- To bring all Indian earth scientists dealing with geomorphology and allied disciplines on a common platform;
- To hold annual conferences in different parts of the country;
- To publish a research journal;
- To encourage young scholars in doing research in geomorphology; and
- To give emphasis on researches related to human society and its welfare viz. environmental geomorphology, urban geomorphology, environmental hazards and their management on different spatial and temporal scales.

Supporting these objectives, the Institute publishes the **JOURNAL OF INDIAN GEOMORPHOLOGY** (ISSN 2320-0731), an annual peer-reviewed journal devoted to Geomorphology and allied Earth and Planetary Sciences, published continuously since 2012.

Guidelines for submission of manuscripts to the Journal can be found at –

[https://indiageomorph.org/uploads/docs/JoIG%20-%20Guide%20to%20Authors 2022.pdf](https://indiageomorph.org/uploads/docs/JoIG%20-%20Guide%20to%20Authors%202022.pdf)

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Conference Venue

[Presidency University](#) occupies a unique place in educational history. It was one of the first institutes of Western-type higher education in Asia. In 1817, a group of enlightened Indians and Englishmen set up the Hindoo College. This was taken over by the British Government in 1855 as the College of the Bengal Presidency and placed in 1857 under the newly founded University of Calcutta. Over the next hundred years and more, Presidency College was Bengal's pre-eminent centre of higher learning. It preserved a tradition of research matched by few universities in India. This gave a unique dimension to its undergraduate teaching. The formal establishment of Presidency University in July 2010 allows it to refashion its venerable traditions and continuing strengths into a leading institution of the future.

Location & Connectivity

Kolkata, in West Bengal, is one of India's leading cities, and is served by an extensive road and railway network, alongside domestic and international airlines. The city is also connected through regular bus services with neighbouring states and regions. Howrah and Sealdah (two of India's busiest railway stations) are situated within 3 km of [Presidency University's Main Campus on College Street](#). The Netaji Subhash Chandra Bose International Airport serving the Kolkata Metropolitan Region is located 13 kilometres from the seminar venue.

: Weather Conditions :

February in Kolkata features pleasant, mild, and dry weather, marking the end of winter. Temperatures typically range from a comfortable 12°C to 25°C, with sunny days, low humidity, and cool evenings.



Geomorphology @ Presidency

Department of Geography

Presidency University, Kolkata

Geomorphology at Presidency (earlier College and now University), has a long and glorious tradition. Alumni members of the Department have been Past Presidents of the IGI and been closely associated with the IAG. Eminent personalities in Indian Geomorphology have studied and taught in the Department, and collaborated with national and international academic institutions and agencies. The Departmental Seminar Library houses a rich collection of classical geomorphological texts, geomorphology and earth science journal volumes and recent publications. Geomorphological pedagogy and discourses are deeply ingrained within the undergraduate and postgraduate curricula, incorporating theoretical grounding alongside practical training, with specialisations offered in the domains of River Science and Physical Basis of Landscape Management. The Department has several advanced laboratories which are effectively utilized for geomorphological research by faculty and doctoral students. Faculty members of the Department have completed several research projects in the domain of Geomorphology and Earth Science, with extramural funding support from agencies like UGC, SERB/ANRF, DigitalGlobe Foundation, DST, DSTBT, ISPF-UK, ICSSR and others. The Department also undertakes consultancy assignments, and is open for collaborative research.

Website: <https://www.presiuniv.ac.in/web/geography.php>

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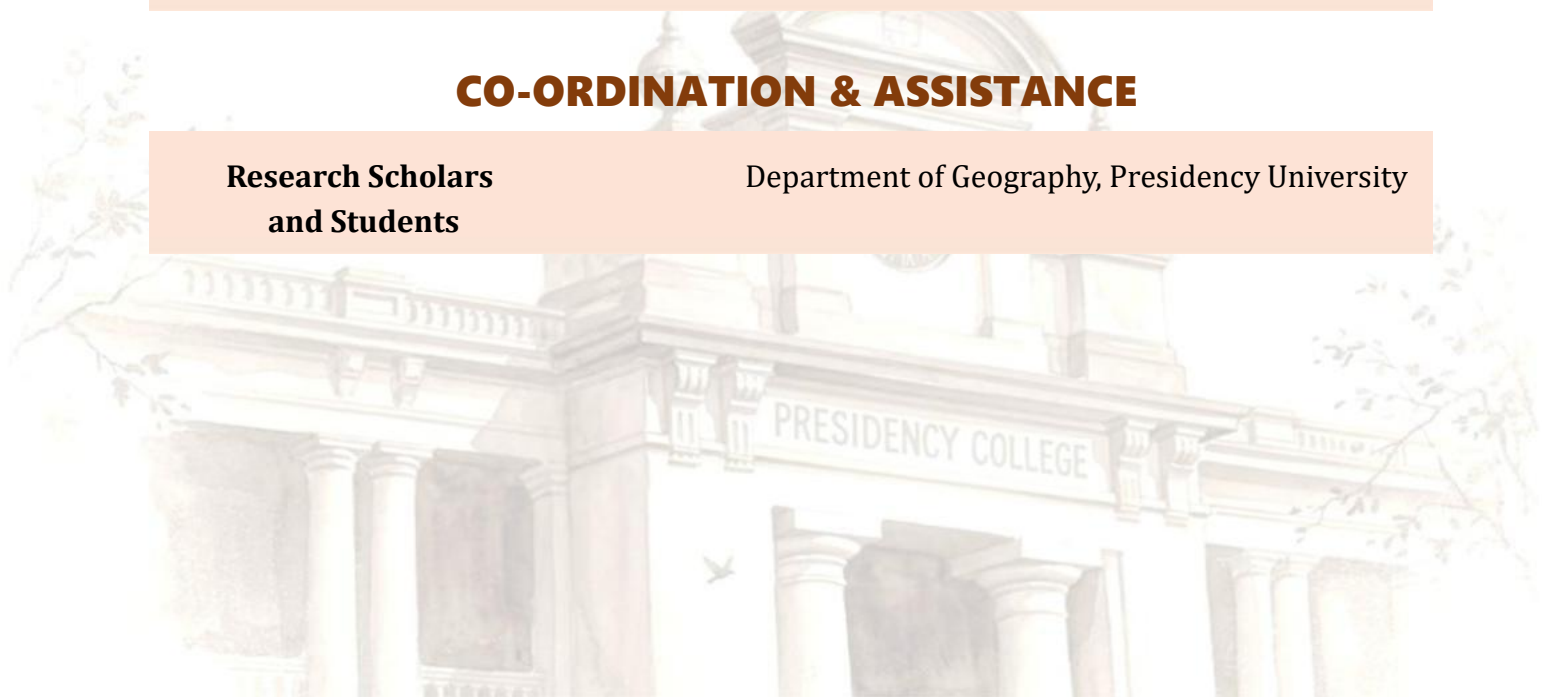
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CO-ORDINATION & ASSISTANCE

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and Students**

Department of Geography, Presidency University



Post-Conference Workshop

A Post-Conference Workshop on *Research Methodologies in Geosciences* shall be held, incorporating aspects like sedimentary facies documentation, basics of geochronology and dating methods, sample preparation for geochemical analysis in analytical instruments, and hydrological methods and simulations. Participants should express their interest in participating in the Workshop at the time of initial registration, and complete the payment formalities thence after due intimation.

Sponsorship

Sponsorship and advertisement opportunities and spots are available during the Conference. Interested Parties should contact the CONVENER (soumendu.geog@presiuniv.ac.in) for further details.

Please reach out to us with any questions or requirements you may have:
priyank.geog@presiuniv.ac.in , krishna.geog@presiuniv.ac.in



Gullied landscape at Gangani by the Silabati River in South-western Bengal