



**30th National Conference
of
the Indian Institute of Geomorphologists
(IGI)**

03-05 October, 2018



Focal Theme:

Geomorphology, Environment and Society

**Organized by
Department of Geography
(DST-FIST, SAP-DRS-I)
Jamia Millia Islamia
New Delhi**

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Background

Geomorphology, as the study of the origins and evolution of Earth's landforms and the processes that shape them, is closely associated with environment and society. In today's world, there is much interest in, and concern about, the global environment and how it operates and changes. The threats of climate change and the species extinctions are commonly highlighted, but what about the potential changes to physical landscape? Understanding how landscapes operate and change is a crucial part of gaining a full understanding of the Earth system and enabling better environmental management.

The human survival and prosperity depend on their understanding of geomorphic processes. Human settlements are often vulnerable to geomorphic hazards by virtue of their location in the path of geomorphic processes such as flooding, landslides or debris flows. In the next level of interaction, human settlement alters geomorphic processes such as exacerbating the severity of flooding by reducing infiltration and increasing storm water runoff, increasing erosion and sediment yields through land clearance, triggering mass movements by altering drainage patterns or undercutting the toes of slopes and inducing seismic activity.

In addition to explaining how landscapes have developed in the past, how they function at present, and how they might change in future, there is a growing recognition of geomorphology as a field contributing to a range of environmental investigations and societal issues.

Population increases together with increased urbanization, social infrastructure and standard of living have created unprecedented levels of interventions within the geomorphic system and accelerating the risk and impacts. Spiralling demands for resources such as aggregates are impacting river and coastal systems, while demands for hydropower and irrigation affect the quality and quantity of surface and subsurface hydrological systems. Mineral, timber, and soil resources are also being exploited at unprecedented rates, in many cases with unanticipated and disastrous results.

Increasingly, many geomorphological processes and landform development are influenced by human activities. Human activities may have a direct influence on geomorphological processes, either enhancing natural rates of change or suppressing natural rates of change. Human activities may also have an indirect influence on natural processes, such as through forest clearance and conversion to agricultural land and its influence on hill slope runoff and sediment transfer or through translocations of plant and animals that have a geomorphological influence.

The human activities have become the dominant influence on shaping of the Earth's surface, but vigorous debate still surrounds that relative roles of natural external drivers (tectonic activities

and climatic change), internal readjustments and human activities as influences on the development of

landforms and sediments. Geomorphology can provide a key input to environmental management, including landscape conservation, ecosystem conservation and restoration, heritage conservation and carbon landscaping. Geomorphological processes and landforms provide the template upon which many ecological processes and patterns are developed. It is against this background that the Geomorphologists have an important social role to play. Collectively and individually we can inform society of how systems will respond to human intervention and enhanced climate activity.

Sub-Themes

Conference topics include, but are not limited to:

- Tectonic and Structural Geomorphology
- Landforms and Earth Surface Processes
- Palaeo landscapes and Geoarchaeology
- Climate Change and Geomorphology
- Tropical Geomorphology
- Planetary Geomorphology
- Geomorphology in Ecology and Environmental Management
- Application of Geoinformatics in Geomorphological Studies
- Urban Geomorphology
- Geomorphosites and Geotourism
- Geomorphology, Planning and Resource Management
- Geomorphology, Environment and Society
- Watershed Management

Jamia Millia Islamia

Jamia Millia Islamia (JMI) is one of the premier universities of national importance. It came into existence at Aligarh in 1920 during the Khilafat and Non-cooperation movement in response to Gandhiji's call to boycott government supported educational institutions. JMI has a multi layered educational system. It has Nine Faculties and more than 27 Centres for Research

and Excellence. Jamia has also started several inter-disciplinary research centres that have given an edge to it in terms of critical research .

The story of its growth from a small institution in the pre-independence India to a central university located in New Delhi—offering integrated education from nursery to research in specialized areas—is a saga of dedication, conviction and vision of a people who worked against all odds and saw it growing step by step. They “built up the Jamia Millia stone by stone and sacrifice by sacrifice,” said Sarojini Naidu, the nightingale of India.

The Department of Geography was established with B A/B Sc (Hon) Program in Geography in 1971. Adv. P G Diploma in Cartography was introduced in the year 1974. The Department was elevated to Post-graduate level in 1984. Since then, it offers B A/B Sc (H), MA/MSc and Ph. D. Programmes in Geography. Meanwhile, PG Diploma in Conventional Cartography has been redesigned as PG Diploma in Digital Cartography with an additional PG Diploma in Remote Sensing & GIS. The Department is a pioneer in the country introducing Remote Sensing at post graduate level as recognized by the ISRO, Government of India, and supported for the enhancement of the DIP/GIS labs. The DST also recognized the Department as nodal facility in Delhi for funding training programmes in Remote Sensing and GIS for university and college teachers and gradually accorded it FIST-1 status. UGC recognized the Department to support under its SAP DRS-1.

The Department comes under the Faculty of Natural Sciences and has built its reputation in the country for imparting education in Remote Sensing and GIS. The faculty and research students are actively engaged in cutting edge research in varied field of geography. Publications by the faculty and research scholars in international journals with about one thousand of citations, and twenty five h-index are the testimony.

Abstract Submission

Presentations on practical, theoretical and methodological aspects of identified themes and related areas as well as case studies are welcome. The participants are requested to send their abstracts latest by **15th August, 2018** and after intimation of acceptance, full papers for publication in conference proceedings latest by 20th September, 2018. Please observe the following guidelines while preparing your abstract.

- Abstracts must be written in **Times New Roman, 12 font size and 1.5 spacing** without insertion of any special symbol, formula, diagram, table, or reference.

- The sequence of the abstract be –
 - a) Title in running text.
 - b) Authors name
 - c) Affiliation
 - d) Contacts
 - e) Abstract body
 - f) Key words
- Abstracts must be submitted online along with registration form in the link given below:
<https://goo.gl/forms/39x0WWQ5h0FIH4693>
- Files sent through email or by any other means cannot be considered under normal circumstances.
- Abstract titles are to be restricted within 25 words.
- Full names, affiliations, and e-mails of all authors should be included.
- Abstracts should clearly indicate the research problem, the methodology and the results of the work within 400 words.
- Preference of presentation – poster (maximum size: A0 on portrait format) or oral – should be indicated by the authors. The Programme Committee may revise the presentation type based on their evaluation. Their decision will be binding on the author(s).
- To prevent multiple submissions of the same abstract, only the presenting authors should submit one. If an abstract is contributed by more than one author and the non-presenting author also registers for the conference, she or he will be automatically mapped to the abstract she or he co-authored.
- All abstracts will be reviewed by the Programme Committee and may be sent back for revision, if required.
- Decisions regarding acceptance will be intimated within a week of abstract submission. However, Persons attending the Conference without abstracts can directly proceed for registration.

Registration

CATEGORY OF REGISTRATION*	Before due date	After due date
Regular Delegate with Accommodation	₹ 3500/**	₹ 4000/
Regular Delegate without Accommodation	₹ 3000/	₹ 3,500/
Student / Retired Teacher or Scientist / Accompanying Person with Accommodation	₹ 2,500/	₹ 3000/
Student / Retired Teacher or Scientist without Accommodation	₹ 2000/	₹ 2,500

1. Registration fee be paid in the form of DD payable to the **Registrar, Jamia Millia Islamia , New Delhi** or in cash at the Registration counter.

2. ** All the registered IGI member delegates will have to pay an additional amount of Rs.300/ as headquarter fee whereas the **Non IGI members** have to pay Rs. 600/ either through DD payable to **Treasurer, Indian Institute of Geomorphologists (IGI) payable at Allahabad or in cash at the registration counter. D.D should be deposited at the registration counter.**

* Registration charges for accompanying person include accommodation and food.

No registration with accommodation request will be accepted after **25 September 2018**. Registration fee will only be refunded in the case of non-acceptance of **abstracts**.

Important Dates

Last date of abstract submission	15-08-2018
Intimation of acceptance	25-08-2018
Submission of full length papers	20-09-2018
Last date for Registration	25-09-2018

IGI Meeting:

The meetings of the Executive Council and General House of the Indian Institute of Geomorphologists (IGI) will be held at 4.00 pm and 6.00 pm on October. 4, 2018 respectively in the Department of Geography, Jamia Millia Islamia, New Delhi . Members are requested to attend the same. No TA/DA are admissible.

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