

# Indian Institute of Geomorphologists - Young Geomorphologists Forum (IGI-YGF) Organises



## 4th IGI-YGF Intensive Training Programme (ITP) on

## Methods of Geomorphological Mapping and Geochronology

28 November - 01 December, 2023

*Photo: Cold Desert, Hunder, Ladakh, India*  
P.C. @Manasi

**Application Link:** <https://forms.gle/3MRfMHVNxi8xmVU59>

**Organiser:** Young Geomorphologists Forum (IGI-YGF)

**Host:** Centre for the Study of Regional Development,  
Jawaharlal Nehru University,  
New Delhi

**Field Training :** Foothills of Shiwalik,  
Kalesar, Yamunanagar, Haryana, India

**Focal Theme:**

- Geomorphological Mapping & Geophysical Survey to Reconstruct The Landform Development Process with the dating techniques of Optically Stimulated Luminescence (OSL) Dating and Cosmogenic Radionuclide Dating (CRN)



*Photo: Paraglacial Fan, Chandra Tal , Spiti, Himachal Pradesh, India*  
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## 4TH IGI-YGF ITP AT A GLANCE

The **4th edition of the Intensive Training Programme (ITP)** for the Young Geomorphologists will be organised between November 28 and December 1, 2023, by the **Indian Institute of Geomorphologists (IGI)-Young Geomorphologists Forum (YGF)**, with an aim to train Early Career Researchers (ECR) in advanced geomorphological research. This Intensive Training Program is going to be organised under the aegis of the **International Association of Geomorphologists (IAG)**.

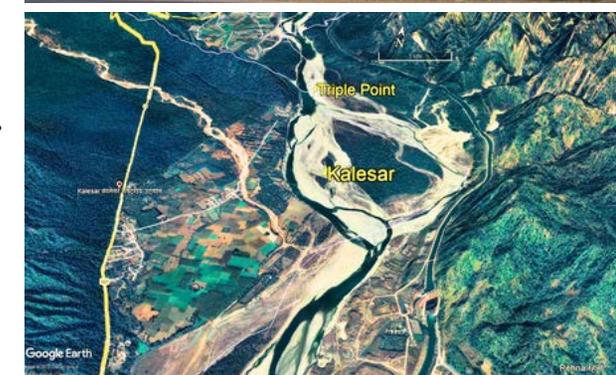
The Intensive Training Program will provide an opportunity for young researchers to learn advanced techniques in Landscape mapping & Geophysical surveying over fluvial terraces along the Yamuna River. The aim of this 4th ITP is also to give a demonstration on the Field based geomorphological mapping using Differential Global Positioning System (DGPS) and Ground Penetrating Radar (GPR), Reconstruction of Landform Development using the techniques of facies analysis, sample collection from the field, and subsequent laboratory analysis. Laboratory analysis will be demonstrated by one of the absolute Dating methods in Geochronology, i.e., the Optically Stimulated Luminescence (OSL) dating method.

**Schedule in a Brief:** The ITP will be inaugurated at CSRD, JNU, and will move towards Kalesar, Yamunanagar, whereas the next 3 days of the Intensive Field Training Programme will be carried out. On its final day (1 December, 2023), the group will return to Delhi by the evening and the ITP group will disperse upon reaching Delhi.



## LOCATION OF THE FIELD AREA

**Kalesar**, the field study area, is located amidst the Kalesar National Park, in the foothills of the Shiwalik ranges of the mighty Himalaya ( $30^{\circ}21'56.92''\text{N}$  &  $77^{\circ}35'42.98''\text{E}$ ). It falls under the Yamunanagar District of Haryana with the Yamuna River and Shiwalik as boundaries between with three states (Triple Point), viz., Himachal Pradesh, Uttarakhand & Uttar Pradesh. Spectacular terrace development, the Hatnikund barrage, and the changes in the geomorphic processes along the entire stretch of the study area captivate attention.





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## YOUNG GEOMORPHOLOGISTS FORUM – INDIA

Based on the decision of the International Association of Geomorphologists (IAG), all National Scientific Members resolved to promote young geomorphologists. With those objectives, the Executive Council as well as the General House of the Indian Institute of Geomorphologists (IGI), a National Scientific Member of the IAG, have approved the formation of a Young Geomorphologists Forum under the banner of the IGI in their meeting held on 04.10.2019 with the following objectives:

- Promotion and popularization of geomorphological research among the Indian young geomorphologists
- Favoring the interaction of Indian Young Geomorphologists with the international geomorphological community.
- Becoming aware and favouring participation in IAG activities, with special reference to the IAG training programme.
- Training them for carrying out geomorphological research both in the field and laboratory.

<https://indiageomorph.org/younggeomorphologistsforum>

On the basis of the present selection criteria of the forum, **Dr. Manasi Debnath** as **President** and **Dr. Sumantra Sarathi Biswas** as **Vice-President of IGI-YGF** have been elected for the term **2023–24**.

## PREVIOUS INTENSIVE TRAINING PROGRAMMES ORGANISED BY IGI-YGF

**The First edition** of this programme was held in Kolkata, India, in March 2020, it involved a lecture series, laboratory and hands-on exercises and one-day field visit. 36 young researchers turned up for this extensive lecture series and hands-on training in data collection and subsequent processing.

**The Second edition** of the training programme was held in online mode on 1-2nd November, 2021. The lectures delivered covered topics on- Geochronology, Palaeoclimate and Fluvial Response, Process-based studies in glacial landscapes, UAV based mapping. 240 young researchers in geomorphology, amongst whom 177 were from the Indian subcontinent and 63 from abroad, covering 33 different countries, participated in this programme.

**The Third edition** of the training programme was held in Kolkata, India during 02-05, March 2023 with 40 participants. In this session, a special emphasis was given on application of Unmanned Aerial Vehicle (UAV) technology in Geomorphological research and environmental monitoring.





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## IMPORTANT DATES AND APPLICATION INFORMATION

### Eligibility Criteria for Application:

Early-career Researchers (who must have completed a post-graduate degree and be under 35 years of age) are eligible for applying to this programme. The selection criteria will be based on research interests and experience. *After the successful selection process, the selected participants will be notified and will be eligible for registration.*

### Application Process:

The application form must be filled up and submitted with E-Form using the following link on or before October 10, 2023, and attached to the listed mandatory files:

**Application Link:** <https://forms.gle/3MRfMHVNxi8xmVU59>

### Mandatory files to be attached (File size <1 MB):

1. Proof of age; 2. Recommendation Letter forwarded by Supervisor/ HoD/Principal (Independent Researchers can attach an undertaken while failing to submit) ; 3. CV (<2 pages); 4. Passport-Sized photo

<b>Beginning of Application</b>	<b>25 September, 2023</b>
<b>Last date of Application</b>	<b>10 October, 2023</b>
<b>Notification for Acceptance</b>	<b>15 October, 2023</b>
<b>Last date for Fee Transaction and Registration</b>	<b>25 October, 2023</b>

(Bank / Transaction details will be notified after the acceptance of the applications)

**SEAT CAPACITY: 25**

**Registration Fee Per participants: 3000 /- INR**

(Registration charges include Participation fee, Training kit, working lunch, dinner, and snacks till 1 December evening. Spot registration will not be entertained)

### Accommodation:

**All Participants will be provided mandatory modest accommodation without paying any extra fee**

**(From 28 November to 01 December, 2023 Afternoon).**





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## 4TH IGI-YGF INTENSIVE TRAINING PROGRAMME ORGANISING COMMITTEE

### PATRON (S)

**Prof. Milap Chand Sharma**, President, Indian Institute of Geomorphologists (IGI)  
**Prof. Sunil Kumar De**, President, International Association of Geomorphologists (IAG)

### CHAIRPERSON (S)

**Prof. Sunando Bandyopadhyay**, Member, Steering Committee, IGI-YGF  
**Prof. A.R. Siddiqui**, Secretary General, Indian Institute of Geomorphologists (IGI)  
**Prof. Sudhakar D. Pardeshi**, Member, Steering Committee, IGI-YGF  
**Prof. S. Sreekesh**, Jawaharlal Nehru University (JNU), New Delhi  
**Prof. Padmini Pani**, Jawaharlal Nehru University (JNU), New Delhi

### CONVENER

**Dr. Manasi Debnath**, Nagaland University, Nagaland  
President, IGI-YGF (2023-24)

### CO-CONVENER

**Dr. Sumantra Sarathi Biswas**, Sukumar Sengupta Mahavidyalaya, Keshpur, W.B.  
Vice-President, IGI-YGF (2023-24)

### ORGANISING SECRETARIES

**Miss Elora Chakraborty**, JNU, New Delhi  
**Mr. Soumik Das**, JNU, New Delhi  
**Mr. Shashi Sekhar Shukla**, JNU, New Delhi

### MEMBER (S) OF THE ORGANISING COMMITTEE

**Dr. Sanjay Deswal**, Government College, Chhara, Haryana  
**Dr. Rakesh Saini**, Dr. Harisingh Gour University, M.P.  
**Dr. Raghunath Pal**, Viswa Bharati University, W.B.  
**Dr. Atul Kumar**, Inter-University Accelerator Centre, New Delhi  
**Dr. Satya Prakash**, Government Arya Degree College, H.P.  
**Dr. Ishita Manna**, Ernst & Young, Raipur  
**Mrs. Aditi Gain**, TDB College, W.B.  
**Dr. Sandip Tanu**, Mobius Foundation, Delhi  
**Dr. Gyati Yam**, Nagaland University, Nagaland  
**Mr. Jayesh Mukherjee**, Aberystwyth University, UK  
**Mr. Abhijit Das**, University of Calcutta, W.B.  
**Mr. Chandan Malik**, JNU, New Delhi  
**Mr. Samiul Sk.**, JNU, New Delhi  
**Mr. Pritam Kumar Santra**, University of Calcutta, W.B.  
**Mr. Deepak Kumar**, IIHS, Kurukshetra University, Haryana

### MEMBER (S) OF ADVISORY COMMITTEE

**Dr. Shreya Bandyopadhyay**, Maharaja Nandakumar Mahavidyalaya, W.B.  
**Dr. Sayantan Das**, Dum Dum Motijheel College, W.B.  
**Dr. Kapil Ghosh**, Diamond Harbour Women's University, W.B.



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## **CONTACT INFORMATION 4TH IGI-YGF INTENSIVE TRAINING PROGRAMME**

### **For Queries**

***4itp.igiylgf@gmail.com***

### **Scan for Application**



### **Contacts**

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