

WORKSHOP OUTLINE

GLOBALLY, mountain regions cover about 18.2% of the terrestrial land area outside of Antarctica and are regarded as rich reservoirs of biodiversity. These ecologically fragile ecosystems provide several life-supporting ecosystem goods and services, harbour a wealth of medicinal herbs, maintain ecosystem structure and functioning. However, several scientific reports highlight that climate change is drastically impacting the composition, structure and functioning of these ecosystems. The effects of climate change on mountain ecosystems, however, will mainly rely on the actions we take now and will differ greatly across biomes and regions. Since, our institutions are close to the Himalayan mountains, we would like to offer a collection of perspectives on Himalayan mountains and their life to under-graduate and graduate students, research scholars and young investigators that would a) evoke a sense of excitement and belongingness to the beautiful nature in the region, b) provide them with an insight into the science of mountains and their life, and c) provide them with toolkits that they can use to ask and address interesting questions related to the region. To achieve these goals the workshop will bring together very disparate fields and their experts to interact with the students. The areas proposed to be discussed would include Himalayan biodiversity, glaciers and their dynamics, climate change and shifting vegetation patterns, self-organized pattern formation in nature, adaptation to extreme climates by plants and disaster vulnerability. A significant component of the lecture workshop will be its hands-on trainings on each of the related themes. Almost all lectures will be backed up by one or more hands-on experience to the participants through which they would be encouraged to interact and make the event a participative one. The proposed lecture workshop will be conducted in physical mode at the Department of Botany, University of Kashmir, Srinagar. The workshop will be for 3 days and shall comprise two sessions each day: a morning session (10 am – 1 pm) and an afternoon session (2 – 5 pm).



SESSION TOPICS:

- Plant diversity in the Himalayan Arc
- Self-organized pattern formation in nature
- Himalayan glaciers and their dynamics
- Climate change and shifting vegetation patterns
- Plant phenology in mountains in relation to climate change
- Disaster vulnerability in Himalaya and global climate change
- Reconstruction of Climatic History in Himalaya

BENEFITS OF ATTENDING

THE workshop is a unique opportunity for participants to have a clear understanding of the Himalayan mountains and their life in the context of climate change. The workshop features the well renowned experts in the relevant thematic areas who will encourage students to ask questions and participate in hands-on sessions. The workshop is expected to make the participants understand major aspects and challenges of Himalayan mountains and become confident and comfortable in venturing into different theme related discourses.

<https://botany.uok.edu.in/Main/UserForm.aspx?Form=SALW>



Address for correspondence:

All communications with respect to the workshop should be made to:

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SCIENCE ACADEMIES' LECTURE WORKSHOP

on

HIMALAYAN MOUNTAINS AND THEIR LIFE

(May 8th - 10th, 2024)

Sponsored by:

**Joint Education Panel
Indian Academy of Sciences,**
Bengaluru - 560 080

Organized by:

**Department of Botany,
University of Kashmir, Srinagar**

Venue: **Department of Botany, University of Kashmir,
Srinagar- 190006, J&K, India**



WHO CAN PARTICIPATE?

This workshop is intended for under-graduate and graduate students, research scholars and young faculty of colleges, universities and institutions. The total number of participants will be around 150. The participants will be selected for the workshop, on a first-come, first-serve basis, subject to meeting the eligibility criteria. The workshop is free to attend and participants are not required to provide the registration fee at the time of registration.

REGISTRATION

IMPORTANT DATES:

Registration starting date: **23rd April, 2024**

Registration deadline: To guarantee your seat, please make sure to register by or before **3rd May, 2024**

No TA/DA will be provided for participation in the workshop. However, the participants will be served lunch, tea and refreshments during the workshop. Participants who require accommodation during the workshop will have to make their own arrangements. Those participants who require accommodation at the university guest house may please mention it on the application form and that would be contingent upon the availability.

ABOUT THE UNIVERSITY

The University of Kashmir, located at Hazratbal, Srinagar, is flanked by the world-famous Dal Lake on the east and Nigeen Lake on the west under the foothills of Zabarwan mountains and alongside the Holy Hazratbal shrine. The University's Main Campus, which covers 247 acres, is separated into three parts: Hazratbal Campus, Naseem Bagh Campus, and Mirza Bagh Campus (the latter serving for residential purpose), besides having three satellite campuses (North Campus, South Campus and Kupwara Campus). The tranquil ambience of the Campus makes it ideal for serious intellectual discourse and research studies. Over the years, the University has strived for excellence in its curriculum and activities. The National Assessment and Accreditation Council of India (NAAC) has re-accredited it as a Grade-A+ university and it figures in top 50 Universities of the country currently at Rank 33 under NIRF 2023. This is recognition and reflection of the high standard of quality in teaching and research at the University of Kashmir.

ABOUT THE DEPARTMENT

The Department of Botany's modest seed, planted in 1961 and nurtured by renowned botanists, scientists, and naturalists, has grown into a massive tree, its branches bursting with blooms of scholarship and dispersing fruits of excellence. Since its inception, over a half-century ago, the Department has made tremendous growth, reaching numerous milestones. The Department has evolved into a mega-entity that includes important adjuncts such as an internationally recognised herbarium (KASH), the Centre for Biodiversity and Taxonomy (CBT), and the Kashmir University Botanical Garden (KUBG), which features a high-altitude garden at Gulmarg. Rare distinction of running major international and national projects, and earning two levels of special funding by the Department of Science and Technology, Govt. of India under its Fund for Improvement of Science & Technology Infrastructure (FIST) scheme and grant of Special Assistance Programme (SAP) by the University Grants Commission (UGC), testify to the achievements of the Department in teaching and research.