



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



Adapting to Climate Change: A Focus on Biodiversity in the Western Himalayas

A Training Programme on the
Interaction of Biodiversity and
Climate Change in Northwestern
India

24th June – 6th July, 2019
University of Kashmir, Srinagar,
Jammu & Kashmir

WORKSHOP DETAILS

Eligibility

Students (currently enrolled in a Master's or Doctoral degree), research scholars and early-career researchers involved with NGOs, academic institutes or governmental agencies **from the Western Himalayan region only (Himachal Pradesh, Jammu & Kashmir, Uttarakhand)**. (Age limit: 35 yrs).

Scope of the Workshop

Interactive lectures, case studies and discussions on a variety of topics including ecology of the Himalayan region, environmental change in the Western Himalayas and its impacts, biodiversity and climate change, ecosystem services and functions, hydrology, social-ecological systems and much more.

Hands-on exposure to field methods and analytical tools using R and GIS as well as scientific writing.

One week dedicated to designing, collecting data, analyzing and presenting results through **group projects**.

Linking with the **National Action Plan for Climate Change** and the **National Biodiversity Targets 1 and 2** where target 1 aims at increasing awareness of the nation's youth regarding biodiversity and conservation, and target 2 aims at integrating biodiversity conservation values in national and state planning, development, and poverty alleviation strategies.

Resource Persons

The resource persons will be faculty and experts from ATREE, University of Kashmir and other leading institutions in India.

Apply Here!

http://bit.ly/SS_Apply

For more information, please contact:

Rubin Sagar: rubin.sagar@atree.org (ATREE)

Dr. Manzoor Shah: mashah@uok.edu.in (University of Kashmir).

Adapting to Climate Change: A Focus on Biodiversity in the Western Himalayas

Certificate Training Programme on the Interaction of Biodiversity and Climate Change in Northern India (Himalayan Region)

DURATION & VENUE: The summer school will take place from **24th June – 6th July, 2019** at the **University of Kashmir, Srinagar, Jammu & Kashmir**.

BACKGROUND:

This two-week programme jointly organized by the Ashoka Trust for Research in Ecology and the Environment (ATREE) and University of Kashmir, Srinagar, Jammu and Kashmir, delves into various concepts about biodiversity of the Western Himalayas, interaction of climate change and biodiversity, hydrology, ecosystem services and functions, and social-ecological systems. These will aid the participants in understanding the adverse role of environmental change (synergistic effects of climate change and other non-climatic environmental stressors) on the biodiversity and people of the Western Himalayas.

Training will be imparted through a combination of lectures, skill building tools, discussions on topical issues, and week-long intensive group projects. There will be a series of special talks on a variety of important topics and case studies pertinent to the region, as well as talks on improving scientific writing. Reading material will be sent to the selected participants to familiarize themselves with the topics that will be covered in the lectures, special talks and discussions.

OPEN FOR:

Current post-graduate students (currently enrolled in a master's or PhD programme in India), research scholars and early career professionals working with non-profits, government agencies, research institutions and academic centres in the **Western Himalayas (applicants from Uttarakhand, Himachal Pradesh and Kashmir only will be considered)**. We hope to maintain an age limit of 35 years to ensure a certain level of experience, and so that participants gain the most from the programme.

LEARNING OBJECTIVES:

By the end of the program, the participants will be able to:

Explain several concepts of biodiversity and its conservation, and their applicability in the Himalayas.

- Explain and identify the ecological and socio-economic impacts of environmental change specific to the region.
- Develop strategies to address these impacts and understand the requirements for policy reform.
- Effectively assimilate pertinent data and contribute to research.
- Develop strategies to scale up efforts to mainstream biodiversity information by established institutions in the Western Himalayas.

COURSE STRUCTURE:

Week 1: The first week of training includes a combination of lectures, topical talks, panel and group discussions, and demonstration and hands on exposure to research tools (experimental design and various field sampling techniques). The topics covered will include: Biodiversity and Biogeography of the Western Himalayas, Climate Science, Ecosystem Services, Phenology, Socio-ecological systems, Community Management of Natural Resources, Eco-hydrology, Limnology, Invasive Species, Wellbeing, and Wildlife and Fish Dynamics. The summer school will comprise of daily sessions (in week 1) on the use of statistics (with the software R) and spatial analysis (with the software QGIS).

Week 2: The second week of training will majorly focus on the field project. Participants are expected to design the project, collect and analyse data following which results will be presented to fellow participants and resource persons.

RESOURCE PERSONS:

Faculty and experts from ATREE, University of Kashmir and other renowned institutions will lead the lectures and training sessions.

APPLICATION DEADLINE:

Deadline to apply is **31st May, 2019**.

Selected applicants will be notified directly by **7th June, 2019**. Our decisions will be final.

COURSE FEES:

There is **no fee** for the workshop. All participants will be reimbursed for travel from their departure location to the University of Kashmir campus, and back (train (3AC), bus, shared taxi). Accommodation at the university hostels and food will be covered. Stationary and equipment for the field exercises and mini-projects will be provided by the organizers.

APPLY ONLINE:

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