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Brig. (Dr.) Shri B.D. Mishra (Retd.)
Lieutenant Governor
Hon'ble Chancellor, University of Ladakh

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Prof. S.K. Mehta,
Vice Chancellor, University of Ladakh

Convenor

Dr. Mohd Hussain,
Coordinator, Department of Zoology University of Ladakh
Co-convenor

Dr. Nassreen Fatima, Krishi Vigyan Kendra, SKUAST-K, Kargil
Mr. Mohsin Ali, Department of Zoology University of Ladakh

Organizing Secretary

Dr Sonam Wangmo
Mountain research Institute, University of Ladakh

Joint organizing Secretary

Dr Amjad Hussain, Department of Zoology, University of Ladakh
Dr. Stanzin Angmo, Department of Forensic Science, University of Ladakh

Organizing Committee

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Mr. Jigmat Stobdan, Coordinator Commerce, University of Ladakh
Dr. Stanzin Mantok, Assistant Professor Commerce, University of Ladakh
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ONE EARTH • ONE FAMILY • ONE FUTURE



Department of Zoology & Mountain Research Institute University of Ladakh

is organizing

3-Day National Workshop

On

"Biodiversity and Conservation in the Himalayan Region"

From 25 to 27 September 2023

Themes

- Effect of climate change on the biodiversity in Himalayan region
- Effect of climate change on the migratory birds in Himalayan region
- Anthropogenic effect on the fish fauna of Himalayan region
- Effect of Tourism on Wildlife of Himalayan region
- Agrobiodiversity for sustainability
- Insect Biodiversity

Workshop Features

Keynote lectures from renowned experts on the theme of the Workshop
Round table sessions and informal meetings among the participants
Platform networking/collaborations

Important Dates

10th August: Link open for Registration and abstract submission

22nd August 2023: Last date of Registration and abstract submission

Registration Link: <https://forms.gle/ePbacyYB3tvUxm9E7>

Venue: Leh Campus, Taru-Thang, University of Ladakh



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UT of Ladakh



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Advisory committee

Mr. Deskyong Namgyal, Controller of examination, University of Ladakh
Mr. Tashi Dawa, Dean Academic affairs, University of Ladakh
Dr. Shubhadeep Roychoudhury, Associate Professor, Department of life science and bioinformatics, Assam University, Silchar
Dr. Sonam Joldan, Dean Research, University of Ladakh
Mr. Nawang Tundup, Assistant Registrar, University of Ladakh

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Background

Himalaya is a mountain range spread over five countries viz Bhutan, India, Nepal, China, and Pakistan and separating the plains of the Indian subcontinent from the Tibetan Plateau. It has more than 100 peaks and some peaks are supposed to be the highest peak in the world with the elevation of about 7,200 m (23,600 ft) asl. The mighty is surrounded by the Indo-Gangetic Plain on the south, the Tibetan Plateau on the north, and the Karakoram and Hindu Kush ranges on the northwest. It has major river system including the Indus, the Ganges, and the Tsangpo-Brahmaputra and their tributaries, which is home to some 600 million people and out of which 53 million people live in the Himalayas. It was formed by the subduction of Neo-Tethys and followed by collision between Indian and Eurasian Plate. The Himalayan mountain range runs west-northwest to east-southeast in an arc and covering an area of about 2,400 km (1,500 m) long.

The Himalaya can be divided into five major ranges viz. 1. Outer Himalayas; 2. Lesser or Middle Himalayas; 3. Greater Himalayas; 4. Trans-Himalayas – Tibetan Himalayas and 5. The Eastern Hills – Purvanchal: A chain of hills in North-East India. The greater Himalaya which is covering major part of the Himalaya with a total length of about 2,300 km spreading from Pakistan to Myanmar. Majority of the peaks are always bound covered by snow (glaciers). The greater Himalaya acting as geographical barrier between the paleo-artic region and the Indian subcontinent and due this reason there is differences in the diversity and distribution of fauna on the either side of the greater Himalaya.

So far, as compared to other part of the world, very negligible research has been done on the biodiversity of the Himalayan region. As per the report nearly about 10,000 plant species, 980 bird species, 300 mammal species, 175 reptile species, 105 amphibian species and 230 fish species have been recorded. There are many species which is on the edge to extent due to climate change, habitat loss, unplanned developmental activities, poaching and hunting, human wild animal conflict, overgrazing, deforestation, tourism activities and pollutions. There are many researchers, scientist, environmentalist, NGOs and other organization working on the status and conservation of the biodiversity in Himalaya region.

But they are working independently and therefore we need to coordinate to bring all the stakeholders on a single platform to share their knowledge and experience for an effective resolution.

Aims and Objectives:

Himalaya has a fragile ecosystem and with a small change can cause a great effect on the biodiversity of this particular region. Since last decades the Himalaya is experiencing dramatic changes in their climatic condition. Every year the temperature is rising due to climate change which results in the depleting of glaciers. The amount of precipitation is also reducing, due which, many areas in the Himalayan region particularly Trans-Himalayan of Ladakh facing water shortage and draughtiness which also directly or indirectly affecting on the biodiversity of this region. Therefore the present workshop is organised with the following objectives:

- 1.To gather scientists/researchers and other stakeholder on a single platform
- 2.To share knowledge and experiences about the status and conservation of biodiversity in the Himalayan region.
- 3.To know the effect of climate change on the biodiversity of Himalayan region.
- 4.To know the anthropogenic effect on biodiversity in the Himalayan region

Focal Theme

Biodiversity and Conservation of the Himalayan Region

Thrust Areas of the Workshop

- Effect of climate change on the biodiversity in Himalayan region
- Effect of climate change on the migratory birds in Himalayan region
- Anthropogenic effect on the fish fauna of Himalayan region
- Effect of Tourism on the Wildlife of Himalayan region
- Agrobiodiversity for sustainability
- Insect Biodiversity

Field Visit

Experience a Day in the Wilderness: As part of our Biodiversity Workshop in Ladakh, a thrilling one-day field visit will be conducted to explore the remarkable biodiversity of this pristine region. The field visit will provide an opportunity to Delve into the untouched wilderness and diverse ecosystems with breathtaking landscapes, where we'll witness the fascinating interplay between nature and conservation. Also interactive sessions with local experts and conservationist will be part of this visit where they will share their insights on the unique challenges and conservation efforts in Ladakh.

Registration Fee

Category	Amount
Industry	Rs 1,000/-
Research and Academic Institutions	Rs 500/-
Research Scholars	Rs 500/-
U.G./P.G Students	Rs 500/-

The registration fees will cover seminar/workshop proceedings, Lunch and Tea breaks during the conference.

Poster Presentation

Submission of abstracts (Max 250 words) for poster presentations on the identified thrust areas can be sent along the registration form or can be sent to the email departmentzoologyuol@gmail.com. All the participants to prepare the posters that should not exceed the dimensions 2 x 3 ft. and furnished with title, authors name, affiliation, introduction, material and methods, result & discussions and conclusion. Best poster award will be evaluated and awarded as per Workshop organizers. A clear picture, diagrams, graphs and short tables are highly encouraged to use in poster to win the best poster award in each thematic area.

Accommodation

The outstation participants can stay in Hostels/hotels which will require advance booking in view of heavy tourist rush during this summer season.

The rates are as follows:

Shared accommodation economy Rs750–1,500/night/per person

Economy Hotels Rs1,500-2,500/night/person

Deluxe 3-star hotels Rs3,000-7,000/night/person

Payment Details

Name of Beneficiary: Symposium/Conference

Name of the Bank: J & K Bank Ltd

Account No: 0773040520000003

Branch: SNM Hospital

IFSC: JAKAOSNMLEH

MICR Code: 194051002

SWIFT Code: JAKAINDBSRI

Note: Transaction ID/Screenshot to be attached along with the form for confirmation.

Email: departmentzoologyuol@gmail.com



About Ladakh

Ladakh is a high altitude mountainous region bounded by the Karakoram Range from the north and the Great Himalayas in the south. Often described as Moonland' on account of the unique lunar landscape, Ladakh abounds in awesome physical features set in an enormous and spectacular environment. For close to a millennium, the region was an independent mountain kingdom of strategic importance. Lech, the royal capital, was a major crossroads of Asia and a stopping point on the ancient migration routes of the trans-Himalayas, connecting Central Asia with the Indian sub-continent. From here, the old caravan routes led westward through Kashmir to the Silk roads, northward across the Karakorum Pass to Central Asia, eastward across the Chang-thang highlands to Tibet and China, and southward through present-day Himachal Pradesh to the plains of India.

Many migrants have traveled through Ladakh, some settling on the way, giving a distinctive characteristic to its population - from the west, early Dard settlers and later-day invaders from Baltistan; from the east, Tibetan settlers, invaders and rulers; from the north, traders from Yarkand; and much later, Dogra conquerors from Jammu in the south.

About University of Ladakh

The University of Ladakh was established in 2019 and is the only trans-Himalayan Institute of higher learning and research. The University has its headquarters both in Leh and Kargil. The University has Campuses in both Leh and Kargil and has six-degree colleges as constituent colleges. The University is offering core and applied academic programs. The University also offers courses and research programs specific to Himalayan, trans-Himalayan and South and Central Asian regions not ordinarily available in other universities in the country. The University is catering the students passing out from various schools and colleges spread over more than fifty thousand square kilometres of the vast Ladakh region. University of Ladakh started its first academic program from 2020 with ten (10) Master Degree Programs in both Campuses. The University introduced seven (7) new PG Programs from the academic session 2021. With the intent to pursue research activities the University is also offering Ph.D. Programs in various domains. The University is trying hard to provide its students with the opportunity to reflect on life and get to realize their potential by excelling higher education. We strongly believe that this University will play a significant role in the transformation of our country and our region in the coming years. Through our educational, research, and social contributions we will shape the future of our society. This confidence in our programs and belief in public good will be our motivation to work tirelessly and decisively

Department of Zoology

Department of Zoology established in 2019 with the objective, to increasing our understanding, in natural-history and to explore the fauna of Trans-Himalayan part of the country. The department stands apart, from rest of its national counterparts, as it provides a unique platform to peep into the biology of Palaearctic fauna. With an enrolment of 43 students, the department stands aloof, among various departments, at both Leh and Kargil campus of the university. The department has established a well-equipped laboratory through generous support of the University.

Mountain Research Institute, University of Ladakh

Mountain Research Institute (MRI) is established in the year 2023. It is a multi- and interdisciplinary research institute with focus on Climate Change and Biodiversity dedicated to understanding changes related to various facets of Earth System. The institute is aimed to initiate multi-disciplinary teaching and research programs by integrating academician/researchers in this frontier of science in Trans-Himalayan region. It is a interdisciplinary centre in this part of the world with an aim to impart quality education and research to the young minds. Here, many departments and programs would come together in one unit to study the challenging environmental issues that confront our world in general and the Trans-Himalayan region in particular.