



NATIONAL CONFERENCE

on

Environmental challenges and opportunities in a changing climate -The Himalayan perspective

(January 29-30, 2026)

ABOUT THE CONFERENCE

The Himalayas are experiencing complex environmental challenges, including climate change, habitat fragmentation, biodiversity loss, environmental pollution, and increasing disaster events. Addressing these interlinked concerns requires timely scientific research, evidence-based policy interventions, and meaningful community engagement. A coordinated approach involving the researchers, policymakers, and local communities is imperative for developing context-specific solutions, promoting sustainable livelihoods, and enhancing climate resilience in the region.

AIM

To provide a multidisciplinary platform to deliberate on pressing environmental challenges emerging from climate variability, extreme weather events, rising pollution, biodiversity loss, and unsustainable development practices, and to formulate the responsive strategies.

THEMATIC AREAS

- Climate change, variability, and extreme weather events
- Disaster vulnerability, preparedness, and management
- Pollution, public health, and environmental safety
- Urban planning and sustainable development
- Social dynamics of environmental protection
- Biodiversity, ecosystems, and natural resource conservation
- Governance, policy, and environmental justice
- Innovations, tools, and future solutions for environmental management



Conference Brochure

ABSTRACT SUBMISSION

A research abstract not more than 250 words, in paragraph style, including the research problem, concise objectives, methodology, key findings, and five keywords, may be uploaded in Google Form <https://forms.gle/AEPS9gD5mCxPXBnq7> on or before December 31, 2025.

REGISTRATION

Registration Fee: ₹ 2000 (Faculty / Scientists / Academicians / Accompanying persons);
₹ 1000 (Research scholars / Students). ₹ 500 additional charges after last date
Registration fee: QR Code below or pay to account: 0345040100007258; IFSC:JAKA0CANAAL
Registration fee includes conference kit, meals, and tea/coffee.
Accommodation will be chargeable, subject to advance intimation.

CONFERENCE VENUE

Seminar Hall of the Department of Environmental Sciences, University of Jammu, Jammu

ORGANIZERS

Department of Environmental Sciences, University of Jammu, Jammu

Funded by

Rashtriya Uchchatar Shiksha Abhiyan (RUSA 2.0), University of Jammu, Jammu

Contact : 8082397928, 9419935911; nationalconference.echp25@gmail.com

More details are available on the brochure linked / official website of the department

Registration Fee



Registration closes on
December 31, 2025

CONFERENCE BROCHURE



NATIONAL CONFERENCE

on

ENVIRONMENTAL CHALLENGES AND OPPORTUNITIES IN A CHANGING CLIMATE - THE HIMALAYAN PERSPECTIVE

Organized by

Department of Environmental Sciences, University of Jammu, Jammu

Funded by

Rashtriya Uchchatar Shiksha Abhiyan (RUSA 2.0), University of Jammu, Jammu

(January 29-30, 2026)

About the conference:

Climate change is intensifying extreme weather events such as flash floods, cloudbursts, droughts, and wildfires, placing immense pressure on fragile ecosystems and societies-particularly in the Himalayas. Unplanned settlements and rising vulnerability have magnified disaster risks and economic losses, yet the evolving climate also presents opportunities for innovation in renewable energy, climate-smart agriculture, biodiversity conservation, and ecosystem-based adaptation. Strengthening early warning systems, building local capacity, and promoting sustainable livelihoods can enhance resilience and establish the Himalayas as a model for climate-responsive development. Alongside climate stress, pollution, biodiversity loss, and unplanned urban growth underscore the need for equitable governance, community participation, and technological solutions to safeguard ecosystems. This conference seeks to bring together researchers, policymakers, practitioners, academicians, and public representatives to deliberate on the challenges and emerging opportunities. By fostering dialogue, facilitating knowledge exchange, and promoting collaborative engagement, the conference seeks to develop region-specific, inclusive, and policy-relevant strategies for advancing sustainable development in the Himalayas.

Objectives of the conference:

The objectives of the conference shall include, but are not limited to,

- provide a forum for sharing research findings, policy insights, and practical experiences on environmental issues in the context of climate change,
- deliberate on the impacts of extreme weather events on biodiversity, natural resources, agriculture, and human livelihoods,
- identify challenges and knowledge gaps in climate adaptation, mitigation, and resilience building,
- explore innovative solutions, opportunities, and sustainable practices for managing environmental risks,
- offer insights on biodiversity, ecosystem dynamics, and natural resource conservation, and
- strengthen collaboration among academia, government institutions, NGOs, and local communities for climate-resilient development.

Conference themes (broader):

Broad themes for deliberation in the conference shall include, though not be restricted to,

1) Climate change, variability, and extreme weather events

- Climate science and predictive modelling
- Impacts on agriculture, water, and livelihoods
- Disaster preparedness, resilience, and adaptation strategies

2) Pollution, public health, and sustainability

- Air, water, and soil pollution challenges
- Environmental health and well-being
- Urbanization, waste management, and sustainable cities

3) Biodiversity, ecosystems, and natural resource conservation

- Biodiversity loss, habitat degradation, and restoration; wildlife conservation and management
- Community-led conservation and indigenous knowledge; ethnobotany
- Ecosystem services and sustainable resource use

4) Pathways to sustainable and green development

- Renewable energy, green technologies, and circular economy
- Low-carbon growth and climate-smart solutions
- Linking development goals with ecological sustainability

5) Governance, policy, and environmental justice

- Global framework - agreements, guidelines, principles
- National and regional environmental policies
- Equity, justice, and inclusion in environmental decision-making

6) Innovations, tools, and future solutions for environmental remediation and monitoring

- Remote sensing, GIS, and AI for environment and disaster monitoring
- Nature-based solutions and ecosystem-based adaptation
- Financing, partnerships, and youth engagement for sustainability

Who may participate

While the conference, with its inter- and multi-disciplinary themes, will be open to all, the following will be the core components:

- Scientists, academicians, and researchers from colleges, universities and research institutions,
- Representatives from government departments, policymakers, and planning bodies,
- NGOs, civil society organizations, representatives from PRIs and community leaders,
- Industry stakeholders and entrepreneurs working on sustainability, and
- Research scholars and students.

Expected outcomes

The conference is expected to achieve the following outcomes:

- Enhanced understanding of the environmental challenges and potential opportunities in the context of climate change and increasing extreme weather events,
- Improved disaster preparedness and management strategies for rising micro-climatic anomalies and extreme events,
- Scientifically informed and management-oriented policy framework with recommendations for advancing climate resilience and environmental governance,
- Actionable strategies for conserving biodiversity and ecosystems through habitat protection, species preservation, sustainable resource management, through community engagement,
- Optimised social engagement in environmental protection through community participation, awareness campaigns, and understanding the behavioural dimensions of ecological responsibility,
- Strengthened academic and institutional collaborations fostering interdisciplinary research and cross-regional partnerships, and
- Structured framework for climate change mitigation and adaptation.

All the above outcomes and scientific contributions will be included in the conference proceedings or an edited volume documenting key research findings and case studies.

Conference dates and venue

Dates: January 29-30, 2026.

Venue: Seminar Hall of the Department of Environmental Sciences, University of Jammu, Jammu.

Abstract submission (to be uploaded on <https://forms.gle/AEPS9gD5mCxPXBNg7> till 31-12-2025)

An abstract of not more than 250 words (starting with the title, author information, and the relevant theme) must include :

- Research problem
 - Objectives of the study
 - Research methodology
 - Key findings
 - Five - Key words
- } in paragraph style

Authors may indicate their preferred mode of presentation - Oral (8+2 minutes) or Poster (36 x 48 inches). Detailed instructions will be communicated through e-mail, subject to the acceptance of the abstract.

Abstract acceptance will be communicated by **05-01-2026**.

Conference Registration (till 31-12-2025, with late fee till January 05, 2026)

Registration Fee: ₹ 2000 (Faculty / Scientists / Academicians / Accompanying persons);
₹ 1000 (Research scholars/Students). ₹ 500 additional charges after last date.

Registration fee payment link: QR code ➡

Pay to account: 0345040100007258; IFSC:JAKA0CANAAL (HOD ENVIRONSC).

Registration fee includes conference kit, meals, and tea/coffee.

Accommodation will be chargeable, subject to advance intimation.



Registration Fee

ECHP-26

About University of Jammu

Cradled in the foothills of the sacred Trikuta mountains and beside the Tawi River, Jammu - the 'City of Temples' is home to the prestigious University of Jammu. Established in 1969 through the Kashmir and Jammu Universities Act, the University has since grown into an institution of excellence, accredited with an 'A++' grade by the National Assessment & Accreditation Council (NAAC). More than an academic institution, the University of Jammu embodies a commitment to societal advancement through quality education, research, and dissemination of knowledge. The University conducts examinations, awards degrees, and nurtures research. It also affiliates and supports numerous colleges and institutions across the region. Open to all, the University stands as a beacon dedicated to carrying people from darkness to light. More at: <https://www.jammuuniversity.ac.in>

About the Department of Environmental Sciences

Established in 1995 as a centre within Bio-Sciences and formalized as a separate department in 1998, the Department of Environmental Sciences at the University of Jammu offers M.Sc. and Ph.D. programs with a curriculum focused on core principles and scientific understanding of environmental issues at all scales. With six permanent faculty members, the Department pursues research in areas such as aquatic and terrestrial ecology, wildlife ecology, wetland management, pollution monitoring, plant eco-toxicology and phytoremediation, bioremediation, hydrochemistry, solid waste management, and atmospheric aerosol geochemistry. Its alumni serve in academia, research, civil services, forest services, NGOs, policy institutions, and the armed forces. The Department also offers eight NGO-sponsored seats for students who have contributed to environmental conservation through reputed organizations.

More at: <https://www.jammuuniversity.ac.in/environmental-science/introduction>

The conference venue is conveniently located near the airport (5 km), railway station (3 km), and bus stand (2 km). As winters in January are quite cold, guests are advised to carry adequate warm clothing.

Timeline

Abstract submission / Registration opens

December 05, 2025

Abstract submission / Registration closes

December 31, 2025

Abstract acceptance notification / Late fee closes

January 05, 2026

ORGANIZING COMMITTEE

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Dr. Neeraj Sharma, Dr. Rakesh Kumar, Dr. Anshu Gupta, Dr. Suresh Kumar

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