



# **NEC Sponsored** **International Conference** on

**Climate Change and Environmental  
Sustainability in Mountainous and Hilly  
Landscapes - 2025**  
**(CCESMHL-2025)**  
**30 & 31 January 2026**  
**(Hybrid Mode)**



**Organised by**  
**Assam University, Silchar**  
**in Collaboration with**  
**Bharat Vikas Parishad North East Region**  
**ICAR Regional Centre for North Eastern Hill Region, Mizoram Centre and**  
**ICAR - Krishi Vigyan Kendra Hailakandi**



## **ABOUT ASSAM UNIVERSITY**

Assam University, Silchar is a Central University established by an Act of the Indian Parliament (Act XXIII of 1989), and came into existence in 1994. Situated in the Barak Valley of southern Assam, the University is nestled in a sprawling 600-acre campus at Dargakona, about 23 km from Silchar town. In 2007, Assam University opened a 90-acre satellite campus at Diphu in the Karbi Anglong Hills District of Assam, thereby making quality higher education accessible to a wider section of society. With students' strength about 5000 in both the campuses, the University is a veritable melting pot of diverse communities, ideas and creativity. Apart from the two campuses of the University, there are 73 affiliated and permitted colleges in the five districts of south Assam, which together constitute the jurisdiction of Assam University and there are more than 37,000 students enrolled in the affiliated colleges.

Since 1994, Assam University has expanded both in size and reputation. Today, there are 43 postgraduate departments under 16 schools of studies in the Silchar campus and 10 departments in Diphu campus, offering a wide range of programmes geared towards equipping students and research scholars with knowledge, skills, experience and confidence, the benefits of which they can reap well into the future. Besides, there are several Centres of Study in the University dedicated to research of high quality. Recently, the University has developed a strategy for enhancing the range of pedagogic uses of technology. As part of this strategy, the University is in the process of gradually turning all its classrooms into state-of-the-art ones enabling teachers to teach using a wide variety of media. There's no gainsaying that in the last twenty eight years of its relentless pursuit of academic excellence, Assam University has made giant strides in providing better academic atmosphere and improved infrastructural facilities.

## **ABOUT BHARAT VIKAS PARISHAD**

BVP is a non-governmental, non-profit organization dedicated to the socio-economic development and upliftment of society. Established in 1963, it operates with a vision to promote national integration, cultural awareness, and community service. BVP has approximately 1600 branches all over India with 84000 family members. For operating the projects, the country is divided into 10 regions and 80 prants. The action plan of BVP's policies and programmes is executed through the five sutras (maxims) namely Sampark (fellowship), Sahyog (co-operation), Sanskar (moral orientation), Sewa (service), and Samarpan (commitment). To achieve its objectives of Sanskar, Sewa and Sampark, BVP has taken up several projects and programmes. The organization is actively involved in various social and educational initiatives, focusing on healthcare, education, women's empowerment, and poverty alleviation. BVP also works to preserve and promote India's rich cultural heritage and values, striving to create a self-reliant and prosperous society.

## **ABOUT ICAR RC for NEH Region, Mizoram Centre**

The ICAR Research Complex for North Eastern Hill (NEH) Region, Mizoram Campus, located in Kolasib, was established in May 1975 to address the agricultural research needs of the state. As a regional unit of the Indian Council of Agricultural Research (ICAR), it plays a pivotal role in advancing sustainable farming practices tailored to the unique agro-climatic conditions of Mizoram.

The Centre's research initiatives encompass a wide array of disciplines, including crop science, horticulture, animal husbandry, fisheries, and natural resource management. A notable achievement is the development and promotion of organic farming systems, aligning with Mizoram's status as an organic state. The Centre has also been instrumental in introducing improved crop varieties and livestock breeds suited to the region's specific requirements.

## **ABOUT ICAR – KRISHI VIGYAN KENDRA HAILAKANDI**

ICAR-KVK, Hailakandi was established on 31st March, 2010 under the administrative control of ICAR Research Complex for NEH Region, Umiam, Meghalaya. It functions under the guidance of ICAR-Agricultural Technology Application Research Institute (ATARI), Zone VI, Guwahati. It is located at Chandpur village of Hailakandi district, Assam. It is about 7 km from Hailakandi city. Its vision is science and technology-led growth leading to enhanced productivity, profitability, and sustainability of agriculture. Its mission is farmer-centric growth in agriculture and allied sectors through application of appropriate technologies in specific agro-ecosystem perspective. Mandate of KVK is technology assessment and demonstration for its application and capacity development. To implement the mandate effectively, the following activities are envisaged: i) on-farm testing to assess the location specificity of agricultural technologies under various farming systems, ii) frontline demonstrations to establish production potential of technologies on the farmers' fields, iii) capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies, iv) to work as Knowledge and Resource Centre of agricultural technologies for supporting initiatives of public, private and voluntary sector in improving the agricultural economy of the district, v) provide farm advisories using ICT and other media means on varied subjects of interest to farmers.



## Registration Fees

Description	Early Birds (Before 10 <sup>th</sup> October 2025)		Regular		Onsite	
	Indian	Abroad	Indian	Abroad	Indian	Abroad
<b>Students/PhD Scholar</b>	₹ 1000	€ 50	₹ 2000	€ 100	₹ 2000	€ 100
<b>Academic</b>	₹ 3000	€ 100	₹ 3200	€ 120	₹ 3500	€ 150
<b>Industry</b>	₹ 4000	€ 150	₹ 4200	€ 170	₹ 4500	€ 200
<b>Accompanying Person</b>	₹ 2000	€ 100	₹ 2200	€ 120	₹ 2500	€ 150

## Publication

*The conference proceeding will be published either in Springer or Taylor & Francis, or any other reputable publisher.*

## Paper Submission

<https://cmt3.research.microsoft.com/CCESMHL2025>

## Important Dates

Paper Submission Deadline: 10 January, 2026

Notification of Acceptance: 15 January, 2026

Registration Deadline: 25 January, 2026

Conference Dates: 30 & 31 January, 2026

## Conference Tracks

Climate Change and Environmental Sustainability in Mountainous and Hilly Landscapes - 2025

## Call For Papers

**Authors are invited to submit full papers in the following thematic areas which include (but are not limited to)**

TRACK: 1 Biodiversity including agricultural diversity, conservation, and ecological security

TRACK: 2 Soil and water conservation, including wetlands

TRACK: 3 Land use, land degradation, forest restoration, and protected areas

TRACK: 4 Carbon dynamics and sequestration

TRACK: 5 Food and energy security, including wind and solar energy

TRACK: 6 Climate finance

TRACK: 7 Gender equality

TRACK: 8 Common Property Resource dependent communities

TRACK: 9 Economics, value chain analysis in agricultural, veterinary, fisheries and allied sectors

TRACK: 10 Ecosystem services, natural resources, natural resources-based livelihood, and integrated rural development

TRACK: 11 Invasive alien species

TRACK: 12 Landscape dynamics, mapping, and monitoring

TRACK: 13 Environmental monitoring of biological markers in crop plants, farm animals and microorganisms with regard to mitigation and adaptation measures

TRACK: 14 Natural hazards and disasters including droughts, floods, heat waves, and wildfires

TRACK: 15 Ecosystem-based adaptation and resilience, and nature-based solutions to protect and restore agro-ecosystems

TRACK: 16 Regional cooperation and trans boundary governance in agriculture and allied sectors and management of agricultural landscapes

TRACK: 17 Key roles for civil society for environmental sustainability

TRACK: 18 Farm mechanization, Farm management, agri-horticulture, plantation crops, food processing, value addition and post-harvest management



TRACK: 19 Protection of Plant Varieties and Farmers' Rights (PVR)

TRACK: 20 Innovative adaptive technologies for climate-smart agriculture and sustainability

TRACK: 21 Impact of climate change on agricultural, veterinary, fisheries and allied sectors and management

TRACK: 22 Entrepreneurship, start-up, government policies, flagship programmes and success stories in climate resilient agriculture

TRACK: 23 Emerging disease/pests and their management in agricultural , veterinary, fisheries and allied sectors under changing climate

TRACK: 24 Organic farming, natural farming and indigenous technical knowledge

TRACK: 25 Bioresource management for sustainable agriculture

TRACK: 26 Climate-Driven Health Crises: From Threats to Transformative Solutions

TRACK: 27 Harnessing Nature: Eco-Innovations in Wastewater Treatment"

TRACK: 28 The role of fine art in environmental sustainability for civil society

TRACK: 29 AI and machine learning in smart agriculture: transforming the future of food production

TRACK :30 IoT and sensor-based agriculture: enabling data-driven and sustainable farming

## ***Categories of Presentations***

### ***Keynote Lectures***

The conference will feature distinguished scholars, industry leaders, and subject matter experts who will share insights on topics related to the central theme. These sessions are designed to provide a broad overview of urgent issues, innovative research, and emerging practices within the field. Each keynote speaker will offer a unique perspective, inspiring participants to think critically and engage deeply with the content. The lectures aim to foster meaningful discussions, set an intellectual tone, and encourage collaborative learning among attendees from diverse backgrounds.

### ***Lead Lectures***

The lead lectures, led by distinguished scholars, provide in-depth analysis and advanced insights on the conference theme. Aimed at researchers, educators, and practitioners, they deepen understanding of emerging trends, methods, and policies.

### ***Oral Presentation***

The number of papers for oral presentation will be limited to ensure high-quality sessions aligned with conference themes. Submissions are judged on originality, relevance, and clarity. Only significant papers offering meaningful insights will be invited to present, fostering engaging discussions and maximizing value for participants.

### ***Poster Presentations***

Delegates can showcase their research through poster presentations, which serve as an interactive visual and scholarly platform. Posters should be in a standard 48x36 inch format, with clear headings, legible fonts (at least 24 pt for body and 36 pt for headings), and well-organized layouts to effectively present objectives, methodology, results, and conclusions. Use visual elements like charts and images to enhance understanding. Presenters should be available during sessions to engage with attendees and discuss their work.

### ***Oral Presentations***

Abstracts submitted across various tracks will be carefully evaluated and selected for either oral or poster presentations within their respective sessions. Each track aims to highlight high-quality research aligned with its specific focus area. For the presentation, a structured time schedule will be followed to ensure a smooth and engaging flow of knowledge sharing:



- Keynote speakers will be allocated a maximum of 20 minutes to deliver their comprehensive and insightful presentations.
- Lead speakers are allotted 15 minutes to present focused, impactful content relevant to the session theme.
- Oral presentations by other selected authors will be limited to 10 minutes, providing ample time to communicate their research findings effectively.

To recognize and encourage excellence, awards will be presented for the best poster and best oral presentation in each track. This recognition aims to motivate participants to deliver their best work while fostering a dynamic and competitive academic environment throughout the conference.

### ***Call for Papers***

Researchers, scholars, students and professionals are invited to submit original, unpublished research papers as well as review articles related to the conference theme for either oral or poster presentations. Submissions should include a 200-word abstract with the title, author details, and email. The full paper comprising of at least 2000 words must outline objectives, methodology, key findings, and significance. All submissions will undergo peer review, and selected authors will be invited to present orally at the conference. We look forward to your valuable contributions and to advancing knowledge together through this platform. Link for submission of article <https://cmt3.research.microsoft.com/CCESMHL2025> In case of any technical problems, you may submit your abstract to [ccesmhl2025@gmail.com](mailto:ccesmhl2025@gmail.com)

## **CCESMHL-2025 Stall Booking Details**

Types of stalls	Area (Square feet)	Charges
High-tech stalls with structure	10 x 10	₹ 25,000.00
High-tech stalls with shamiyana	8 x 8	₹ 20,000.00
Nursery stalls	12 x 12	₹ 20,000.00
Food stalls	12 x 12	₹ 20,000.00

## **Awards**

- Young scientist award
- Mid-career scientist award
- Best oral presentation
- Best poster presentation
- Best stall award
- Best innovation award
- Best incubation centre award
- Student innovative idea award UG/PG students



## **Tentative Program**

January 30 & 31, 2026

**DAY 1: 30 January, 2026**

### **Inaugural Session:**

10:00AM – 11:00 AM IST

Keynote address 1

11:00 AM – 12:00 noon IST

### **Poster Presentation**

12:00 noon – 1:00 PM IST

Lunch Break

1:00 PM -2:00 PM IST

Invited Talk 1

2:00 PM – 3:00 PM IST

(Parallel Tracks)

Technical Session 1

3:00 PM – 4:00 PM IST

(Parallel Tracks)

Technical Session 2

4:00 PM – 5:00 PM IST

(Parallel Tracks)

Cultural Program

5:00 PM – 6:00 PM IST

Panel Discussion

6:30 PM – 7:30 PM IST

**DAY 2: 31 January, 2026**

Keynote address 2

10:00 AM – 11:00 AM IST

Invited Talk 2

11:00 AM – 12:00 noon IST

(Parallel Tracks)

Poster Presentation

12:00 noon – 1:00 PM IST

Lunch Break

1:00 PM -2:00 PM IST

Technical Session 3

2:00 PM – 3:00 PM IST

Technical Session 4

3:00 PM – 4:00 PM IST

(Parallel Tracks)

Technical Session 5

4:00 PM – 5:00 PM IST

(Parallel Tracks)

Valedictory Session

5:00 PM – 6:00 PM IST

# Conference conclusions and way forwards

## **Pre-Conference Attractions**

*Quiz Competition*

*Essay writing Competition*

*Pre-Conference Workshop*

## **Conference Pinnacle**

*Keynote sessions by foreign professors/scientists*

*Young researcher forum*

*Best poster presenter award*

*Best oral presenter award in each session*

*Networking opportunities and*

*Social programme*

### **Important Notes**

*All times are in Indian Standard Time (IST)*

*Parallel sessions may be subject to change based on final paper selections*

*Detailed program with specific paper presentations will be shared closer to the conference dates*

*Cultural program will showcase traditions from mountainous & hilly regions*

### **Contact Us**

**Email Us** [ccesmhl2025@gmail.com](mailto:ccesmhl2025@gmail.com)

**For general inquiries and information:**

**Visit us at conference website**

<https://aus-conf.netlify.app>



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### Registration Link:

<https://docs.google.com/forms/d/e/1FAIpQLSebzWIWbj4xXvEOSakTTcZCHrMzOtUETGOhjXu8YJUOOjzeXw/viewform>

### Registration Fees:

Account name ASSAM UNIVERSITY PROJECT A/C II , IFS code UCBA0002005  
Account no. 20050110035450, SWIFT code UCBAINBB102  
UPI address: 20050110035450@ucobank, MICR code 788028005

### Accommodation

Silchar offers a diverse array of accommodation options that cater to both budget-conscious travelers and those seeking luxury. The city is home to several reputable hotels that are well-suited for conference attendees. Premium establishments such as Hotel Cachar Club and Hotel Borail View provide upscale amenities and business-friendly environments, making them ideal for invited speakers and senior delegates. For those searching for comfortable yet affordable lodging, Hotel Barak View Residency and Hotel Sudakshina offer convenient access to Assam University along with essential facilities. Additionally, nearby lodges like Madhuban Guest House specifically accommodate students and research scholars, providing economical options in close proximity to the campus. Given the limited availability during the conference period, early booking is strongly advised.

#### Roadmap and Weather

Assam University, Silchar, is easy to reach from the city. From the railway station or Inter-State Bus Terminus, a quick auto-rickshaw ride of about 40–50 minutes takes you to the campus. Reserved taxis are available for a more comfortable, though pricier, option. From Silchar Airport, visitors can either take a shuttle to Silchar town and then follow the same route or take a direct taxi to the University.

### Explore Barak Valley During Your Visit

#### 1. Borail Wildlife Sanctuary

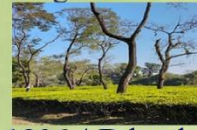
It is located in the Cachar district of southern Assam, is a rich and ecologically diverse protected area spanning around 326 sq. km. Nestled in the lush, hilly terrain of the Borail mountain range, the sanctuary boasts tropical moist evergreen and semi-evergreen forests, bamboo groves, and a wide range of flora and fauna, including rare orchids.





## ***2. Tea Estates of Barak valley***

The Barak Valley in Assam is renowned for its picturesque tea estates that contribute significantly to the region's economy and cultural heritage. Stretching across districts like Cachar, Karimganj, and Hailakandi, the valley is home to sprawling tea gardens nestled amid rolling hills and lush greenery.



## ***3. Kanchakanti Kalibari***

It is a revered Hindu temple dedicated to the Goddess Kali, built in 1806 AD by the Kachari King following a divine vision. The temple is located in the Udharbond town of Barak Valley. It holds great religious and cultural significance for the local community, serving as a vibrant center for worship and festivities. The temple reflects traditional architecture, playing a crucial role in preserving and promoting the rich religious traditions of the area. It's a peaceful place where devotees come to seek blessings, participate in community gatherings, and celebrate their faith.



## ***4. Sonebeel***

It is a famous and picturesque wetland area located in the Barak Valley of Assam. It's the second-largest seasonal wetland in Asia and plays a crucial role in local ecology, acting as a natural water reservoir and habitat for a variety of flora and fauna. The wetland supports rich biodiversity, including many migratory and resident bird species, making it an excellent spot for bird-watching and nature lovers.



## ***5. Malegarh War Memorial***

Located near the India-Bangladesh border in Assam's Karimganj district, the Malegarh War Memorial near the village Latu commemorates the 1857 "Sepoy Mutiny" or "Sipahi Bidroho" where 26 sepoys along with Major Byng from the Sylhet Light Infantry Division lost their lives. Despite its significance, it remains under-preserved and overlooked. Efforts are underway to preserve and promote the site, but more work is needed to honour the sacrifices.



## ***6. Kashpur Raj Bari***

Once served as the capital of Dimasa kings, Khashpur ruins serves as a hub of tradition and heritage of Dimasa architecture, offering insights into the lifestyle and culture of the royal family. Covered by lush green lands and hilly horizon, Kashpur Raj Bari has evolved into a cultural landmark, attracting visitors interested in history, architecture, and the royal stories of Assam. It serves as a constant reminder of the region's rich historical tapestry and is occasionally used for cultural events and local gatherings.



## ***7. BhubanPahar***

BhubanPahar is a recently designated wildlife sanctuary and popular tourist destination in the Barak Valley region of Assam. Renowned for its scenic beauty and serene atmosphere, it offers expansive views of lush greenery, tea gardens, and distant valleys. Dedicated to Lord Shiva, this hill attracts nature enthusiasts, trekkers, and those wanting to escape city noise.







MINISTRY OF DEVELOPMENT OF  
**NORTH EASTERN** REGION