

## About the Conference

Cachar College proudly announces its upcoming “**International Conference on Transdisciplinary Approaches in Contemporary Scientific Research (ICTACSR 2025)**”, an intellectually stimulating event that aims to explore the transformative power of transdisciplinary approaches in shaping the future of academic and applied research.

In an era marked by rapid scientific advancements and global challenges—climate change, public health crises, artificial intelligence, and social inequality—the boundaries between traditional academic disciplines are becoming increasingly fluid. This conference seeks to bring together scholars, researchers, industry professionals, and policy-makers from across the globe to foster dialogue, collaboration, and innovation that transcend disciplinary silos.

The central theme, “**Transdisciplinary Approaches in Contemporary Scientific Research**,” encourages participants to engage with emerging perspectives that integrate insights from the Natural Sciences, Social Sciences, Humanities, & Technology to address complex real-world problems.

### Thematic Sessions

- **Innovations at the Interface of Life Sciences and Technology:**  
Molecular Biology, Genetics, Microbiology, Toxicology, Neurobiology, Phytochemistry, Biochemistry, Fishery Science, Entomology, Stress Physiology, Gene Editing, Cancer Biology, Bioinformatics, Biotechnology, GMOs, Drug Designing, Taxonomy, Synthetic Biology, Biosensors, Pharmacology, etc.
- **Innovations in Physical Sciences and Emerging Technologies:**  
Nanotechnology, Green Chemistry, Synthetic Chemistry, Theoretical Chemistry, Material Chemistry, Quantum Science, Natural Products, Plasma Physics, Astrophysics & Cosmology, Nuclear & Particle Physics, Condensed Matter & Material Science, High Energy Physics, Atmospheric Science, Geology, etc.
- **Mathematics, Computing and Artificial Intelligence (AI) as Scientific Catalysts:**  
Number Theory, Algebra & Analysis, Algorithm, Statistics & Probability, Artificial Intelligence and Machine Learning, Quantum Computing and Mathematical Foundations, Data Science, Cryptography, etc.
- **Human-Nature Interactions and Biodiversity in a Changing World:**  
Ecology, Biodiversity Conservation, Anthropology, Human-Wildlife Conflict, Deforestation and Land Use Change, Ecotourism, Urban Expansion, Restoration Ecology, Environment & Human Health.
- **Sustainable Development Goals (SDGs): Climate, Agriculture, and Innovation:**  
Renewable Energy, Climate Change Mitigation, Urban Green Spaces, Environmental Science, Energy and Innovation, Organic Farming, Agro-ecology, Agriculture & Food Security, GIS and Remote Sensing, etc.
- **Health, Wellness and Traditional Knowledge Systems (TKS):**  
Epidemiology, Zoonotic Diseases, Disease Diagnosis, Indian Knowledge Systems (IKS), Ethnobotany, Yoga & Sports, Stress Management, Nutrition & Lifestyle, Health Equity, Digital Detox, etc.
- **Social Science & Humanities in Scientific Innovation & Policy-making:**  
IPR, Digital Transformation & Innovation, Industry 4.0 & 5.0, FinTech, MSMEs & Entrepreneurship, Agricultural Economics, International Economics, Gender, Diversity, & Inclusion in Scientific Innovation, Role of Ethics, Philosophy, Laws & Policy in Emerging Technologies, Sociotechnical Imaginaries, Humanities & Climate Policy, etc.

Other innovative and relevant topics aligning with the theme/subthemes are also welcome.

## Conference Timeline

- Last Date of Abstract Submission: **28 October 2025**
- Last Date of Registration: **28 October 2025**
- Confirmation of Presentation Mode & Session: **30 October 2025**
- Deadline for camera-ready submission of full paper for book chapter publication with ISBN **(Optional): 5 November 2025**
- Date of Conference: **6-8 November 2025**
- Registration is **Compulsory** for Abstract Submission.

## Registration Fees

Categories	Indian (INR)		International (USD)	
	Early Bird (Until 27.09.2025)	Late Registration (28.09.2025 to 28.10.2025)	Early Bird (Until 27.09.2025)	Late Registration (28.09.2025 to 28.10.2025)
Corporate Delegates	INR 2000	INR 2500	USD 100	USD 150
Academicians	INR 1500	INR 2000	USD 50	USD 60
Research Scholars	INR 800	INR 1000	USD 30	USD 35
UG & PG Students	INR 300	INR 300	USD 20	USD 20

**Registration Fee** does not cover accommodation. Accommodation for outstation delegates can be arranged upon request at nearby Hotels on **Payment Basis** as per requirements. The registration fee includes only **one certificate**. If a co-author requires a presentation certificate, they must **register and pay** the fee individually.

## Bank Details

- **Account Name:** ICTACSR 2025
- **Account Number:** 2031200100016381
- **Bank:** Punjab National Bank/ PNB
- **IFSC:** PUNB0203120
- **Branch:** RONGPUR
- **Account Type:** SAVINGS
- **Swift/ BIC Code:** PUNBINBBISB



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FEE  
USING UPI

## Registration Link

SCAN HERE TO  
REGISTER & SUBMIT  
ABSTRACT  
(Please ensure that the Registration  
Fee Receipt or Transaction Slip is  
uploaded at the time of  
Registration)



**Registration & Abstract Submission Link**  
<https://forms.gle/QoHiquSxvBxi2G37>



@CacharCollegeSilchar



# ICTACSR 2025

## ASTEC SPONSORED

### International Conference on Transdisciplinary Approaches in Contemporary Scientific Research (Hybrid Mode)

**6-8 NOVEMBER 2025**

Organised by  
**Internal Quality Assurance Cell (IQAC)**  
**CACHAR COLLEGE**  
Silchar, Assam, India  
(<https://www.cacharcollege.ac.in>)

Affiliated to Assam (Central) University, Silchar  
Recognized under UGC Act 2(f) and 12(B)

<https://www.ictacsr.com>



## About the College

Cachar College, established in 1960, stands as a premier institution of higher education in Southern Assam. Recognized under Sections 2(f) and 12(b) of the UGC Act, 1956 and affiliated to Assam University, the College offers Higher Secondary (HS) and Undergraduate (UG) programmes as per NEP 2020 across the disciplines of Arts, Science, and Commerce.

With an impressive intake capacity of over three thousand students, the College serves as an educational hub for learners not only from the Barak Valley but also from the neighbouring states: Manipur, Mizoram, and Tripura. Its strategic location in the heart of Silchar ensures accessibility, while its sprawling campus, covering approximately six acres, provides an ideal setting for academic pursuit and personal growth. The institution comprises 17 academic departments, each dedicated to delivering quality education through innovative pedagogy and student-centric initiatives.

Cachar College, situated in the heart of the city, enjoys excellent connectivity by road, rail, and air. The Silchar Railway Station (SCL) is just 1 km away, the Interstate Bus Terminus (ISBT) is approximately 6.8 km, and the Silchar Airport (IXS) is 24 km from the campus.

## Organising Committee

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## Paper Submission Guidelines

- Abstract with 3-5 keywords: 250-500 words
- Abstract/ Title Page should clearly mention the Title, Author(s) Name with Affiliation and E-mail ID of corresponding author.
- Full Paper: 3000-5000 words including **Abstract, Introduction, Materials and Methods, Results, Discussion and Conclusion.**
- Submission Format: .docx file (MS word), Times New Roman, 12 pt, 1.5 line spacing.
- References: APA style
- Language: British English (BrE)
- **For Presentation (Physically/ Virtually)**, participants are required to complete the registration process using QR code/ Registration link and upload the Registration Fee Payment/ Transaction Receipt and Abstract.
- Abstract of original Research Works in .docx format should be uploaded during Registration.

## Who Can Participate?

To facilitate cross-disciplinary collaboration and knowledge integration, this conference welcomes academicians and researchers across disciplines, postgraduate and doctoral scholars, industry professionals and innovators, policy-makers and educationists, and students.

## Presentation Mode

Presentation will be conducted in Hybrid manner. Sessions will be held in Offline and Online Modes. Participants are required to indicate their mode of presentation at the time of registration. **Outstation Participants may opt for Virtual/ Online presentations.**

Participants attending in offline mode may choose to present their work either through a **poster display** (36 inches (W) & 48 inches (H) in portrait orientation) or **PowerPoint presentation**.



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**For Any Query, Please  
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**6-8 NOVEMBER 2025**  
<https://www.ictacsr.com>

## Eminent Speakers



**Dr Ajit Kumar Shasany**  
Director, CSIR-NBRI  
Lucknow, Uttar Pradesh, India



**Prof Maxim Khlopov**  
Director, Virtual Institute of Astroparticle Physics  
Paris, France



**Prof Kalpana Bora**  
Professor, Department of Physics  
Gauhati University, Guwahati, Assam, India



**Dr Ramesh Boonratana**  
Conservation-Practitioner & Philanthropist  
Thailand



**Dr Yashmin Choudhury**  
Assoc. Professor, Department of Biotechnology  
Assam University, Silchar, Assam, India



**Dr Prakash Kanoo**  
Assoc. Professor, Special Centre for Nano  
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**Dr Dipesh Debnath**  
Principal Scientist, ICAR-NAARM  
Hyderabad, India



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Jorhat Assam, India



**Prof Pankaj Chetia**  
Professor, Department of Life Sciences  
Dibrugarh University, Dibrugarh, India



**Dr Fazlur Rahman Talukdar**  
Cancer Research UK, Cambridge Institute  
University of Cambridge, UK



### SONBEEL

Second Largest Wetland  
in Asia

The most amazing feature of Son Beel is its transformation — a rice field in winter until March, and a vast lake as the waters return. Framed by hills on both the east and west, this seasonal wetland offers stunning views, especially with the iconic Hizol trees that stand tall through both dry and flooded seasons, their half-submerged forms adding to the charm. Sunrise and sunset here paint the landscape in vivid colors, with the sun's rays dancing beautifully across the water.



### MALEGARH

Sepoy Mutiny-  
1857

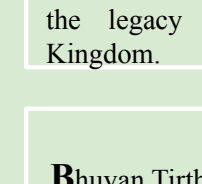
Malegarh is a historic site linked to the Sepoy Mutiny of 1857. A fierce battle was fought here, and many sepoys were martyred in the struggle. The site holds a mass grave of the fallen soldiers, marking their sacrifice. Today, Malegarh stands as a symbol of local resistance and is remembered for its role in India's War of Independence.



### KANCHAKANTI TEMPLE

Constructed by Kachari King in 19th C

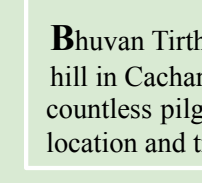
The Kanchakanti Temple was built in the year 1806 AD by a Kachari Ruler. According to local legend, the temple was constructed following a divine vision that instructed the king to establish a shrine where the combined power of Durga and Kali would be worshipped. Since then, it has remained a central place of worship and an embodiment of local faith and culture.



### KHASPUR RAJBARI

Dimasa Kachari  
Kingdom

It is a historical and cultural landmark that once served as the capital of the Dimasa Kachari Kings, reflecting the region's rich architectural and historical heritage. Surrounded by lush greenery, the site offers a captivating glimpse into the legacy of the Dimasa Kachari Kingdom.



### BHUVAN TIRTHA

Pilgrimage site

Bhuvan Tirtha is an important religious site situated atop Bhuvan Pahar, a hill in Cachar district. Dedicated to the Lord Shiva, the temple attracts countless pilgrims, especially during the festival of Shiva Ratri. The temple's serene hilltop location and trek through the hills adds to its sacred charm and significance.



### TEA ESTATES

Barak Valley  
Valley of Tea Estates

Discover the lush green charm of Barak Valley, home to scenic tea estates stretching across rolling hills. Experience the aroma of freshly plucked Assam tea and visit heritage plantations that tell the story of tea's journey. Walk through tranquil gardens, watch tea pluckers at work, and learn about traditional and modern tea processing.



### BADARPUR FORT

A Mughal Era Fort

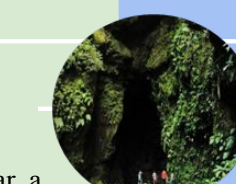
Badarpur Fort, located in Karimganj district along the banks of the Barak River, reflects the historical era spanning the 14th to 17th centuries. It stands as the only architectural site in the Barak Valley bearing significance from the Pre-Mughal to British periods. The fort was originally built to closely monitor movements and activities in the region.



### RON TILLA

War Memorial: 1857

The Ron Tilla War Memorial honors the memory of soldiers who sacrificed their lives during the 1857 Revolt. It is a historic site that marks the brave stand of local freedom fighters (rebel army) against British colonial forces. The hill witnessed war (Ron) on December 21, 1857 and since then it is known as Ron Till.



## Post Conference Attractions