

## ABOUT THE CONFERENCE

The 31st National Conference, Condensed Matter Days, CMDAYS 2023, will be held at the Department of Physics, Tezpur University, Assam, India. While the primary focus areas have been condensed matter physics, following the trend with the current and emerging field of research in multidisciplinary areas, the upcoming conference theme extends two extremes of condensed matter physics from the studies of quantum science and technology to active matters interwoven with other interdisciplinary sciences. CMDAYS provides a unique platform for young researchers/scientists and science entrepreneurs to present their work/innovations on chosen topics of technological and theoretical relevance. It emphasizes the visibility of the works of young researchers/entrepreneurs in the broader arena of condensed matter physics. The conference anticipates a vibrant atmosphere with the presence of a large physicist community for sharing and creating new ideas with opportunities for collaboration between students and researchers from various branches of science and technology.

## HOW TO REACH US

The university is located about 15 kms away from Tezpur city, the headquarters of the Sonitpur district of Assam. It can be reached by road from Guwahati, the capital city of Assam. Tezpur-Guwahati distance is about 200 km. Guwahati is very well connected by air and train to the rest of the country. Travellers can also opt for the daily flights connecting Kolkata and Tezpur.

## ABOUT THE ORGANIZER

Tezpur University, located about 200 km from Guwahati, in a picturesque setting with the mighty Brahmaputra flowing nearby. The university boasts of high academic standards and is a seat of higher learning in Northeast. The Department of Physics, celebrating 25 years of establishment, offers both Integrated Masters and Master degree in Physics programs with various specializations. In addition, research is conducted in soft matter physics, nano-materials for microwaves and imaging applications, plasmonics, lasers, optical sensing, quantum materials, collective non-equilibrium dynamics and host of other current topics both in theoretical and experimental physics. The purpose of the conference is to provide a platform for discussion on the current state-of-the-art in CMP, in particular for participants of the northeast region of India.

## SCOPE OF THE CONFERENCE

- Active matter/Soft condensed matter
- Biomaterials and Biophysics
- Dielectrics and Ferroelectrics
- Disordered systems and phase transitions
- Magnetism and spintronics
- Material science
- Nanotechnology
- Non-equilibrium statistical mechanics
- Nonlinear physics
- Photonics and plasmonics
- Quantum phenomena
- Superconductors and low temperature physics
- Interdisciplinary areas of condensed matter physics

## PRESENTATIONS

- Keynote/Invited talks
- Contributory presentation (oral)
- Posters

# 31st

National Conference

**CONDENSED MATTER DAYS**

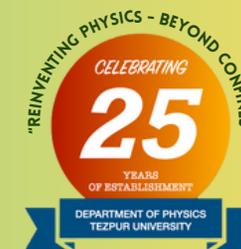
**22nd-24th January, 2024**

## CMDAYS 2023



### Organized by

Department of Physics  
Tezpur University  
Napaam, Tezpur - 784028  
Assam, India



## SPECIAL SESSIONS

Women in Condensed Matter Physics

Industry-Academia interaction

Doctoral Colloquium

Atmanirbhar Bharat session

## CENTRAL ORGANIZING COMMITTEE

D. Mohanta, Tezpur University (Chairman)  
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## LOCAL ORGANIZING COMMITTEE

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Nilakshi Das	Pranjal K. Gogoi, Applied Science
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Pritam Deb	Rupak Mukhopadhyay, MBBT
Ritupan Sarmah	Sanjeev Pran Mahanta, Chemistry
Rajib Biswas	Utpal Bora, Chemistry

## CONTACT US

Conveners, CMDAYS23  
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## ABSTRACT SUBMISSION

Prospective authors are invited to present their latest results in the area of Condensed Matter Physics. We invite authors to submit research work for oral or poster presentation at CMDAYS 2023. Authors are encouraged to submit their abstract online in specified format attached in the conference website. Acceptance of the abstract will be notified through email.

## CHIEF PATRON

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Vice Chancellor  
Tezpur University

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Department of Physics  
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# CMDAYS 2023

## IMPORTANT DATES

- Last date of abstract submission : 10<sup>th</sup> Jan, 2024
- Intimation of acceptance : 14<sup>th</sup> Jan, 2024
- Last date of registration : 15<sup>th</sup> Jan, 2024

## ELIGIBILITY

- UG/PG students
- Research Scholar/Post Doctoral Fellow/Industrial Participant
- Faculty/Scientist/ Entrepreneur

## REGISTRATION FEE

- Research Scholars : INR 1500
- Post-Doctoral Fellow : INR 2500
- Faculty/Scientists : INR 3500
- Industrial Participants : INR 5000

## SPONSORSHIP\*

Platinum Diamond Gold Silver

\*Visit website for further details

## ACCOMMODATION

Accommodation will be provided on request and on payment basis at students' hostel or university guest house located inside the campus. Request for accommodation should be made in advance along with mentioning in duly filled in registration form.