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*First Announcement*

CTTC

# DAE-BRNS Symposium on Current Trends in Theoretical Chemistry (CTTC-2026)

**December 21-23, 2026**

**Organized by**

**UM-DAE Centre for Excellence in Basic Sciences (UM-DAE-CEBS)**

**Mumbai – 400098, INDIA**

The DAE-BRNS Symposium on Current Trends in Theoretical Chemistry (CTTC-2026) is being organized by UM-DAE Centre for Excellence in Basic Sciences (CEBS) from 21 to 23 December, 2026. Formulation of newer and more powerful theoretical tools, cutting edge modelling strategies and robust simulation techniques form an ongoing and integral part of research activities in theoretical chemistry. In view of the nature and wide applicability of this subject, one of the major national needs is to bring various Indian researchers in a single platform to discuss current progress, challenges and pitfalls. The objective of CTTC-2026 is to provide a fertile ground for intense discussion on the thriving newer areas in theoretical chemistry and thereby setting up the course for future directions and shedding light into potentially more powerful applications of theoretical chemistry in interdisciplinary areas. The proceeding of the symposium will constitute keynote addresses, invited talks and presentation of contributory papers as posters.

## Topics to be covered

- Recent Advances in the Theoretical Formalisms and Simulation Methodologies
- Machine Learning and Artificial Intelligence in Chemistry
- Chemical Education in the Era of AI
- Modeling, Theory, and Simulation in Nuclear Fuel and Waste Management Research
- Theoretical and Computational Chemistry in Understanding Radiation Damages in Nuclear Materials
- Theoretical Design of Molecules and Materials Pertaining to Energy Research
- Modeling, Theory, and Simulation in Soft Condensed Matter
- Electronic Structure and Spectroscopy of Atoms, Molecules, Clusters, Nanomaterials, and Solids
- Computational Chemistry of Molecules and Materials under Extreme Conditions
- Experiment Driven Theoretical Investigations
- Modeling, Theory and Simulation for the Exploration of Biological Phenomena and Drug Design

## ORGANIZING COMMITTEE

S. K. Ghosh, CEBS (Chairman)
N. Choudhury, BARC (Co-Chairman)
C. Majumder, BARC (Co-Chairman)
N. Agarwal, CEBS (Convener)
S. Bose, CEBS (Co-Convener)
K. R. S. Chandrakumar, BARC (Co-Convener)
M. Patil, CEBS (Secretary)
K. Srinivasu, BARC (Joint-Secretary)
S. Choudhary, CEBS (Treasurer)

## For further details, please contact

**Convener, CTTC-2026**
UM-DAE Centre for Excellence in Basic Sciences,
Nalanda Building, Kalina Campus,
University of Mumbai,
Mumbai 400098, INDIA
Email: cttcmumbai@gmail.com

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**Mumbai – 400098, INDIA**



| Registration Fees | |
|---|---|
| Faculty | INR 10000 |
| Student | INR 6000 |
| Overseas Participants (Faculty & Student) | USD 500 |
| Industry | INR 20000 |

| Key Dates | |
|---|---|
| Opening of Online Registration | 10 Nov 2026 |
| Closing of Online Abstract (Contributory Posters) | 26 Nov 2026 |
| Closing of Abstract Submission (Invited Talks) | 30 Nov 2026 |
| Payment of Registration Fees (on or before) | 05 Dec 2026 |