

Important Dates

Abstract & Registration (Online)
June 1st 2024
Last date of Abstract Submission
June 30th 2024
Last date of Registration fee payment
August 15th 2024

NATIONAL ADVISORY COMMITTEE

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CATALYSIS SOCIETY OF INDIA

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Dr. R. C. Deka, Secretary, Tejpur University.
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Dr. N. Lingaiah & Dr. Y. Soujanya

CONTACT DETAILS

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VENUE

CSIR-Indian Institute of Chemical Technology

Uppal Road, Tarnaka, Hyderabad - 500 007

Telangana State, India.



National Conference
on
Catalysis for Energy,
Environment & Sustainability

CEES-2024

18th - 20th September, 2024



National Conference on Catalysis for Energy, Environment & Sustainability (CEES-2024)

CSIR-IICT, Hyderabad,
Sep. 18-20, 2024

Background

The increasing demand for the energy consumption and drastic impacts of global warming has compelled the scientific community to work for alternative energy sources with reduced carbon footprint. Anthropogenic CO₂ emissions, presents one of the most significant challenges that humanity has ever faced. It highlights a critical vulnerability in the annals of human history and has become a central issue in the global efforts to address the societal challenges and economic concerns worldwide. Carbon Capture, Utilization, and Storage (CCUS) has been widely considered as a means to mitigate the CO₂ emissions, employing solid sorbents, amine solvents, porous materials etc. Catalytic strategies, including catalysis, photocatalysis, and electrocatalysis plays a pivotal role in activating the inert CO₂ molecule and its conversion into value-added chemicals and fuels. Under the aegis of Catalysis Society of India (CSI) and CO₂ India Network, the CEES-2024 conference at CSIR-IICT is expected to convene the active researchers from various fields related to energy and environment. This conference aims to establish a clear vision and roadmap for the fundamental and technological breakthroughs in R & D of catalysis in achieving carbon neutrality.

About Catalysis Society of India

The Catalysis Society of India (CSI) was formally founded in March 1973 at Banaras with Prof. S.K. Bhattacharyya as the president and Prof. J.C. Kuriacose as the secretary. The main mandates of the CSI are to encourage catalysis research in India,

to organize professional meetings between researchers, to enhance mutual interactions and to encourage cooperation between industry and academia. During the last three decades, the catalysis community in India has made significant strides both in applied and fundamental research. Many catalysts and processes have been developed and commercialized.

About CO₂ India Network

To bridge the gap and facilitate the transition of India's innovative research into tangible solutions, the CO₂India network was established (July 2021). This avant-garde consortium brings together a diverse group of experts from Indian academic institutions and leading industries, boasting a membership exceeding 1,000 individuals. This includes faculty members, scientists, postdoctoral researchers, students, and industry professionals who are actively involved in CO₂, energy, and climate research. The network's core membership comprises distinguished academic researchers in the domain of Carbon Capture, Utilization, and Storage (CCUS) from prestigious institutions such as IIT, IISER, JNCASR, IISc, CSIR, DST, and Central Universities, in addition to experts from key industries (including Reliance, Adani, IOCL, BPCL, ONGC, NTPC and others). This underscores our dedication to promoting collaborative efforts and innovation in tackling the pressing challenges of climate change.

CSIR-IICT

CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad, established in 1944, is a constituent laboratory of Council of Scientific and Industrial Research (CSIR), New Delhi. With the expertise in chemistry and chemical technology, the Institute provides solutions to challenges faced by Industry, Government Departments and Entrepreneurs through basic and applied research and process development. The institute is internationally recognized for the contributions to chemistry research and is an ideal place for taking ideas to commercialization through state of the art research and development. More than 150 technologies developed by CSIR-IICT

are now in commercial production. The Institute has state of art facilities like National MolBank, HTS for chemical library generation & screening, LC-MS, NMR (upto 700 Mhz), Laser Raman, Ultrafast Laser spectroscopy, Fluorescence correlation spectroscopy, Automated synthesizer, XRD, SEM, TEM, AFM, ESCA, etc.

Conference Topics

- CO₂ Capture and Utilization & Exploring the role of industry in commercializing CCU technologies
- Energy conversion and storage
- Fine and speciality chemicals
- Photocatalysis and photoelectrocatalysis
- Biomass conversions to sustainable fuels and chemicals
- AI/ML for accelerated discovery of catalysts

Abstract Submission, Registration fees and Guidelines

Plenary talks, Invited lectures, Oral and Poster presentations are scheduled in this conference. Prospective participants are invited to submit the abstract of their research work at Google form link, <https://forms.gle/KAHksmez4RLfURNM7> and the registration fee may be paid through "SBI Collect", using the link <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=14018> by selecting Indian Institute of Chemical Technology, Telangana and then "CEES 2024 Conference" in payment category. Further updates of the conference can be followed at <https://www.iict.res.in/cees2024/>

Registration Details (in ₹)

Delegates	Early Bird Last date 15 th July 2024	Normal Last date 15 th August 2024	Spot 17-18 th 2024
Students	Rs 2,000	Rs 3,000	Rs 4,000
Faculty	Rs 5,000	Rs 6,000	Rs 7,000
CSI Life members	Rs 2,000	Rs 3,000	Rs 4,000
Industry	Rs 10,000	Rs 12,000	Rs 15,000