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Thrust Areas

The original full length research articles are invited from the following areas:

- Advanced materials for energy storage and conversion
- Photovoltaic materials and solar energy conversion
- Optoelectronic materials
- Advanced polymeric materials
- Bio-inspired materials for healthcare
- Surface, Interfaces and Thin films
- Carbon Capture, Storage and Utilization
- Nanomaterials and sensors
- Thermoelectric and Piezoelectric materials
- Catalysis and Green Chemistry
- Self-healing materials
- Smart materials for Environmental sustainability
- Supramolecular chemistry
- Computational chemistry

Important Dates

Last date for Abstract submission
10 March 2025

Intimation of acceptance
20 March 2025

Last date for Registration (Presenter / Participation)
26 March 2025

Scan to Article submission



Publication

Papers presented in the conference will be published in the conference proceedings with e-ISBN.

Registration Fee

Academia	₹ 2500	BANK ACCOUNT DETAILS FOR REGISTRATION
Research Scholars	₹ 1500	Account Number 1481267367
PG/UG Students	₹ 1000	Account Holder PSG Center for Non formal and Continuing Education (PSG CNCE)
Industry and R & D Centres	₹ 4000	Name of the Bank Central Bank of India Branch - Peelamedu
Foreign Delegates	\$ 150	IFSC Code - CBIN0280913
For Participation Only	₹ 1500	



About the City

If there is one city in Tamil Nadu that can strike a perfect balance between the cosmopolitan lifestyle and rich cultural heritage with serenity, it has to be Coimbatore, the Manchester of South India. Coimbatore is a home to a large number of textile mills, textile machinery manufacturing industries and hosiery units and it is a major hub for trade, especially in cotton goods and hence known as the 'cotton City'. It is also India's leading supplier of pumps and machinery parts and thus has a varied range of industries concentrated in and around. With its historic geographical significance and economic relevance, it makes the visitors of the city more fascinating and delighted. Coimbatore is a proud host of students from all corners of the country. Because of the quality of the education offered, it is considered to be the educational hub of Tamil Nadu. With all these merits, Coimbatore is considered to be the perfect launchpad by the aspiring industrialists and entrepreneurs of Tamil Nadu. The scenic hill stations of Ooty, Munnar, Yercaud and Kodaikanal, the historic temples of Perur and Palani, the historic city of Madurai and Tanjore, the enchanting backwaters and ayurvedic health resorts of Kerala are only a few to be named and are a few hours drive from Coimbatore. It is well connected by air and surface transport. This friendly city, has a salubrious climate and surrounded by major tourist spots, and has always been a natural favourite with international tourists.



International Conference on Emerging Trends in Materials Chemistry



3 - 4 April 2025

Organized by

**Department of Chemistry
PSG College of Technology**
Coimbatore, Tamil Nadu, India



About PSGCT

PSG College of Technology is a Govt. aided, Autonomous, Affiliated to Anna University, Chennai and ISO 9001: 2015 certified institution. This is one of the foremost Institutions founded by the PSG and Sons' Charities Trust (1926). The College was established in the year 1951 and the Founders wisely decided to locate it in the same campus as the PSG Industrial Institute for effective Industry-Institute interaction. The college offers 21 undergraduate and 24 postgraduate courses, which include Engineering and Technology, Computer Applications, Management Sciences and Basic and Applied Sciences. Among the various undergraduate and post graduate programmes offered by the college as many as 18 programs were accredited in the year 1997 itself by NBA of AICTE. More than 505 research Scholars are pursuing research programmes leading to PhD/MS/M.Tech degrees at the college is a recognized QIP centre of for Post-Graduate and PhD programmes. Several advanced centres are set up with financial support from the Ministry of Human Resources Development, DST and other agencies. The programmes of the college are recognized all over India and abroad, the college maintains close interaction with several R&D Institutions in India and abroad, through institutional network programs and collaborative research programmes. The college has signed MOU with research organizations and industries in order to promote closer interaction with other institutions in the area of technology development, training of students, curriculum updating and development of state-of- art centres.



About the Department

The Department of Chemistry, established in 1951, plays an active role in supporting engineering departments through teaching and research. It offers chemistry courses for various undergraduate programs at the college and is equipped with well-developed research laboratories. The department fosters research in diverse areas, including electrochemistry, catalysis, photochemistry, polymer chemistry, organometallics, supramolecular chemistry, and materials chemistry. It has successfully completed ten funded projects sponsored by various agencies, with a total funding of approximately 2.5 crores. The faculty has published numerous papers in international journals, and 47 students have earned their Ph.D. degrees. Additionally, the department provides testing and consulting services to various institutions and industries.

About the Conference

Materials chemistry is pivotal in advancing technology and improving our quality of life. As we face global challenges such as climate change, resource scarcity, and the need for improved healthcare monitoring, materials chemistry is essential for developing sustainable materials that are both efficient and environmentally friendly. The proposed conference will serve as a vital platform for presenting cutting-edge findings, sharing best practices, and discussing emerging trends that can shape future developments in materials chemistry. Engaging with leading experts from academic and industry professionals will allow the participants to refine their ideas, gain valuable insights, and stay at the forefront of advancements in materials chemistry for its applications in various areas such as electronics, energy, healthcare, and the environment.

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