



International Conference on
**EMERGING MATERIALS FOR
SUSTAINABLE DEVELOPMENT - 2025**



ICEMSD – 2025

**DATE OF
CONFERENCE : 20-22 FEB 2025**

**(Supported by Anusandhan National Research Foundation -
SERB, Government of India)**

**P.G and Research Department of Chemistry
FATIMA MATA NATIONAL COLLEGE (Autonomous), Kollam**

SCOPE OF THE CONFERENCE

Materials science, an interdisciplinary field integrating physics, chemistry, and engineering, fundamentally supports the UN's 2030 Agenda for Sustainable Development, establishing 17 comprehensive goals, through multifaceted contributions. The field advances climate change mitigation via renewable energy materials and energy-efficient technologies, addresses resource scarcity through sustainable alternatives and recycling innovations, and combats environmental pollution using advanced filtration and biodegradable materials. Global research collaboration accelerates solution development while ensuring alignment with sustainability metrics. The field's impact extends beyond technical solutions, catalyzing economic development through new industries and sustainable manufacturing, while facilitating social transformation through practical alternatives to resource-intensive practices. This conference, therefore, serves as a collaborative platform for researchers, industry professionals, educators, and innovators to share insights, explore cutting-edge research, and collaborate in the pursuit of sustainable development.

Welcome, and let's innovate for a sustainable world. Your participation will play a key role in turning vision into reality.

GOALS

- ▶ Foster collaboration between academia, industry and government.
- ▶ Address global challenges like climate change and resource depletion.
- ▶ Promote knowledge exchange and networking among stakeholders

DISCUSSION THEMES

1. Energy materials
2. Catalyst recycling and green chemistry
3. Biodegradable materials
4. Carbon capture and utilization
5. Fast-Moving Consumer Goods
6. Sustainable Development

PG AND RESEARCH DEPARTMENT OF CHEMISTRY

The Department of Chemistry, established in 1954, was elevated to a postgraduate department in 1995 and later recognized as a research centre by the University of Kerala in 2013. Committed to delivering high-quality education rooted in strong values, the department helps shape students into responsible members of society. Our pursuit of academic excellence is complemented by a strong emphasis on extracurricular and co-curricular activities. In fulfilling our responsibility to the scientific community, we have hosted numerous national and international conferences on contemporary scientific topics. This year, we are pleased to announce the International Conference on Emerging Materials for Sustainable Development 2025 (ICEMSD-2025). This significant scientific gathering has secured financial support from premier research organization, Anusandhan National Research Foundation (ANRF), SERB, Government of India. The seminar will serve as a platform for advancing knowledge in sustainable materials science while fostering international collaboration and innovative research discourse.

IMPORTANT DATES

- Abstract submission deadline - 3rd Feb 2025
- Paper submission deadline - 10th Feb 2025
- Last date for registration - 5th Feb 2025
- Conference dates - 20-22 Feb 2025



FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM

Named after Our Lady of Fatima, who appeared in Fatima, Portugal in 1917, Fatima Mata National College stands as a prestigious educational institution in Kerala. Founded by the visionary Servant of God, Most Rev. Dr. Jerome M. Fernandez, this autonomous college has evolved into a beacon of academic excellence and social progress. Since its inception, this prominent autonomous college has dedicated itself to academic excellence, social equity, and the vibrant exchange of knowledge. Beyond mere workforce preparation, the institution strives to transform society through its comprehensive approach to education. The college places paramount importance on nation-building, character development, and value-based learning, fostering an environment where students emerge not just as professionals, but as catalysts for positive social change.

REGISTRATION FEE DETAILS

UG and PG Students	: FREE
Research Scholars	: Rs 500/-
Academicians	: Rs 1000/-
Industrial Participants	: Rs 2000/-
Foreigners	: \$25 and \$50 Respectively. (Students & Academicians)

Scan for



Website & Payment

Registration fee is inclusive of paper presentation, keynote and all lecture sessions, certificate, conference kit, proceedings, lunch and tea.

Accommodation facilities will be provided to the participants on prior request and participants must make payment separately for the accommodation provided. The registration fee collected does not include the fee for accommodation.

ORGANIZING COMMITTEE

Patron	: Rt. Rev. Dr. Paul Antony Mullassery, Bishop of Quilon
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Proceedings will be published