



ANRF (DST - SERB) Sponsored

*International Conference on*

# Advanced Energy Materials for a Sustainable Future (ICAEMS 2024)

on 22<sup>nd</sup> & 23<sup>rd</sup> August, 2024



Organized by

**Department of Science and Humanities**

**Federal Institute of Science And Technology (FISAT)®**

Hormis Nagar, Mookkannoor, Angamaly, Kerala 683577

## About the Conference

ICAEMS 2024 aims to bring together leading academic scientists, researchers, and research scholars to exchange and share their experiences and research findings on all aspects of advanced energy materials for a sustainable future. This event will feature renowned resource persons and participants from across the globe, fostering an environment of international collaboration and innovation. The two-day international conference will include invited lectures by eminent academicians and scientists, as well as oral and poster presentations by researchers and emerging scientists from various parts of the world.

### Objectives:

1. Provide a platform for researchers: Present the latest findings, advancements, and innovations in advanced energy materials for a sustainable future.
2. Facilitate the exchange of ideas: Share knowledge and best practices among scientists, engineers, and industry professionals.
3. Encourage collaborations: Foster partnerships between academia, industry, and government organizations to accelerate the development of advanced energy technologies.
4. Create networking opportunities: Enable attendees to build professional networks, promoting collaborative projects.
5. Focus on sustainable energy solutions: Develop and promote energy materials that address global challenges such as energy security and environmental sustainability.
6. Promote interdisciplinary research: Integrate knowledge from chemistry, physics, materials science, engineering, and related fields to advance research in energy materials.

## About the College

The Federal Institute of Science and Technology (FISAT), a distinguished self-financing private engineering college in South India, is promoted by the Federal Bank Officers' Association Educational Society (FBOAES). Established in 2002 with the motto "Focus on Excellence," FISAT has become a beacon of professional education, excelling in academics, placements, and extracurricular activities. Accredited by the NAAC with an 'A+' grade and the NBA for six B.Tech programs, FISAT is also ISO 9001:2015 certified.

## About the Department

The Department of Science and Humanities, one of the first departments established at FISAT, plays a crucial role in providing foundational education in Science and Humanities across all engineering disciplines. Recognized as a research center by APJ Abdul Kalam Technological University, the department is renowned for organizing significant seminars and conferences, fostering a robust science acumen among students through various engaging activities.

### Theme Areas

Advanced energy materials for a sustainable future  
Photovoltaic materials  
Supercapacitors  
Fuel cells  
Smart windows and coating  
Nanotechnology and nanomaterials in sustainable energy solutions  
Characterization techniques for energy materials

# Speakers



**(Rtd.) Prof. Sabu Thomas**

Former Vice-Chancellor and Professor,  
MG University, Kottayam



**Mr. P K Mohammed**

Former Chief Advisor  
Research & Development,  
Apollo Tyres Ltd



**Prof. M K Jayaraj**

Emeritus Professor, Department of Physics,  
CUSAT  
Former Vice-Chancellor  
University of Calicut



**Dr. Dinesh Jagadeesh**

Associate Professor  
IIT Palakkad,  
INSA Young Scientist



**Prof. P. Bijji**

Professor & Head,  
Dept of Chemistry & Nanoscience & Technology,  
PSG Institute of Advanced Studies, Coimbatore



**Dr. S Sankara Narayanan Potty**

Scientist E,  
Centre for Materials for Electronics  
Technology (C-MET), Thrissur



**Dr. Sreekala M S**

Associate Professor  
School of Chemical Sciences,  
Mahatma Gandhi University, Kottayam



**Dr. Sanal K C**

Asst. Professor,  
Autonomous University of Nuevo León,  
Mexico



**Dr. Anoop Anand**

Scientist,  
DRDO, Pune



**Dr. Aby C P**

Czech Advanced Technology and  
Research Institute (CATRIN) - RCPTM,  
Palacky University

## GUIDELINES

**ORAL PRESENTATION** : Abstract should be prepared in the prescribed format available in the website and uploaded along with the registration form. For further details & updates please keep visiting the conference website. (<https://icaems2024.fisat.ac.in>).

## POSTER PRESENTATION

The poster must not be larger than 80 x 60 cm (height x width) and the name of presenting author should be underlined.

The best poster and oral presentations will be awarded.

## PUBLICATIONS

Selected abstract will be published as pre-conference proceedings.

Accepted full papers will be published in ISSN indexed book/reputed journal.

## Registration

Your Registration includes conference registration kit, access to scientific sessions, morning and afternoon refreshments and lunch. Accompanying persons are required to register for the conference at 50% charges and they will have access to refreshments and lunch. Spot Registration available.

Category	Indian Delegates
Student	₹ 300
Research Scholars	₹ 750
Faculty	₹ 1000
Industry	₹ 1500

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**Register here**

<https://forms.gle/38ftzi2srSiHbeJZ9>

## Important Dates:

Last date for abstract submission - **August 12**  
Notification for abstract acceptance - **August 15**  
Last date for full paper submission - **August 20**

## Contact Us

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### Convenors

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Ms. Nithya S Varma, Lab Demonstrator, FISAT  
Ms. Aswathy Balagopal, Lab Demonstrator, FISAT

## International & National Advisory Committee

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