

Organising Structure

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Vice-Chancellor

Co-Patron
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Academics

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School of Physical Sciences

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Department of Physics

Convenor

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Associate Professor, Department of Physics

Co-Convenor

Dr. Karthega M.
Assistant Professor, Department of Physics

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Dr. A. K. Nanda Kumar
Dr. Bharat Kishore Sharma
Dr. Lakshmi Mohan
Dr. Murugadas K.
Dr. Sreekanth K. M.
Dr. Sreekanth V.
Dr. S. Ramasubramanian
Dr. Saravana Veni

Key Highlights

International and National Invited Speakers	Poster Presentation by Research Scholars and Students	Best Poster Awards
Industry Interaction and Exhibition Stalls	Networking and Collaborative Research Opportunities	

Registration Fees: ₹708 (₹600 + 18% GST)



Scan to Register



Webpage

Resource Persons

Prof. Ashok Kumar Nanjundan, University of Southern Queensland (UniSQ), Australia
Dr. Pratheep Kumar Annamalai, University of Southern Queensland (UniSQ), Australia
Dr. Rajkumar Patel, Yonsei University, South Korea
Prof. Suryasarathi Bose, IISc, Bengaluru, India
Prof. E. Bhoje Gowd, NIIST, Thiruvananthapuram, India
Prof. Anandhan S, NIT-Suratkal, India
Prof. Arunkumar Chandrasekhar, VIT-Vellore, India
Prof. Kothandaraman Ramanujam, IIT-Madras, India
Prof. Prashanth Raghavan, CUSAT, India
Dr. Lynda V Thomas, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, India
Dr. Arindam Adhikari, ElectroactivX Pvt. Ltd., Assam, India



SCHOOL OF
PHYSICAL SCIENCES
COIMBATORE

Two-day International Seminar on Electrospun Advanced Polymer Materials

for Sustainable Energy, Environment,
and Biomedical Applications

2nd and 3rd June, 2026

Organised by

Department of Physics
School of Physical Sciences
Amrita Vishwa Vidyapeetham
Coimbatore

About Amrita Vishwa Vidyapeetham

Amrita Vishwa Vidyapeetham is a multi-campus, multidisciplinary research institution of national importance, committed to excellence in education, research, and societal impact. The University actively promotes sustainability-oriented research, innovation, and international collaboration across science and engineering disciplines.

About Department of Physics

The Department of Physics, School of Physical Sciences, Coimbatore Campus, is actively engaged in teaching and research in advanced materials, nanotechnology, energy systems, and applied physics. The department fosters interdisciplinary research and industry-academia interaction with a strong emphasis on sustainable technological development.

About the Seminar

- ▶ The International Seminar on Electrospun Advanced Polymer Materials for Sustainable Energy, Environment, and Biomedical Applications aims to provide a focused platform for researchers, academicians, technologists, and industry professionals working in the field of development of electrospun polymer nanofiber-based sustainable to share their knowledge.
- ▶ Electrospinning is a versatile and scalable technique for producing polymer and polymer nanocomposite nanofibers with high surface area, tunable porosity, and multifunctional properties.
- ▶ These features make electrospun materials highly suitable for addressing critical sustainability challenges in:
 - Energy storage and energy harvesting
 - Environmental remediation
 - Biomedical technologies
- ▶ The seminar will highlight recent scientific advancements in developing sustainable electrospun materials while addressing emerging challenges and future research directions. Further, the seminar will encourage multidisciplinary interaction and international collaboration among academia, industry, and research organizations.
- ▶ Special emphasis will be placed on:
 - Eco-friendly processing techniques
 - Scale-up challenges
 - Commercialization pathways aligned with national and global sustainability goals

Major Themes



Sustainable Electrospinning Technologies



Electrospun Materials for Energy Storage and Energy Harvesting



Environmental Remediation and Filtration Applications of Electrospun Polymer Materials



Biomedical and Healthcare Applications of Electrospun Polymer Nanofibers



Scale-up and Commercialization

Technical Sessions

Session I: Fundamentals of Electrospinning and Energy Harvesting Applications of Electrospun Polymer Materials

Session II: Electrospun Polymer Nanofibers for Environmental Remediation Application

Session III: Electrospun Polymer Materials for Energy storage Applications

Session IV: Biomedical Applications of Electrospun Polymer Mats

Industry Talk: Commercialization Opportunities for Advanced Polymer Materials

Abstracts are invited in the following areas from the participants for poster presentation

1. Polymers/Polymer composites for energy storage and harvesting applications
2. Biomedical Applications of Polymers/Polymer Composites
3. Polymers/Polymer Composites for Environmental remediation Application

A one-page abstract (including figures), prepared in A4 format using Times New Roman (12 pt), as word file should be submitted to the following email address:
iseapm2026@gmail.com

Last date for the abstract submission is **5th May 2026**

Accommodation will be provided on a shared basis for first 100 participants at a nominal cost within the campus.