Organising Structure

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Prof. P. Venkat Rangan
Vice-Chancellor

Co-Patron
Dr. Bipin Kumar G.Nair
Registrar

Prof. Sasangan Ramanathan
Dean
Academics

Prof. Mahadevan S.
Principal
School of Physical Sciences

Prof. Sudip Kumar Batabyal
Chairperson
Department of Physics

Convenor

Dr. B.T.S. Ramanujam
Associate Professor, Department of Physics

Co-Convenor

Dr. Karthega M.
Assistant Professor, Department of Physics

Organising Committee

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Dr. Prema P.
Dr. M. Ulaganathan
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-Chennai, 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

AMRITA VISHWA VIDYAPEETHAM
SCHOOL OF PHYSICAL SCIENCES COIMBATORE

ANRF sponsored
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 **22nd May 2026**
Accommodation will be provided on a shared basis for first **100 participants** at a nominal cost within the campus.