



# 2<sup>nd</sup> International Conference on **“Sustainable Materials for Biological and Energy Applications”** **(SMBEA – 2026)**

**29-30 January, 2026**

Organized by

**DEPARTMENT OF PHYSICS**

**PERIYAR UNIVERSITY CENTRE FOR POST  
GRADUATE AND RESEARCH STUDIES  
DHARMAPURI – 635 205  
TAMILNADU**



**In Association with**



**INDIAN SPECTRO PHYSICS ASSOCIATION  
CHENNAI**

**ELAVENIL - ISTA ASSOCIATION  
CHENNAI**

**PERIYAR UNIVERSITY CENTRE FOR POST GRADUATE AND RESEARCH STUDIES, DHARMAPURI - 635 205**



## ABOUT THE INSTITUTION

Periyar University Centre for Post Graduate and Research Studies of this University started functioning from the academic year 2012-13 with the approval of the Govt. of Tamil Nadu (G. O. Ms. No. 761, Date: 25.05.2012) and is located at Dharmapuri. Two established with three departments initially and five more departments were added successively during 2015 and 2016. In consonance with its mission statement "Arivul Vilaintha Ulagu", it is committed to promote an intellectual climate through artistic creation, critical relativity and innovative ideation. The centre inculcates the bridging a gap of holistic integrated education to the young minds. The only motive of the Government of Tamil Nadu and Periyar University to start a PG Extension Centre in Dharmapuri is to reach the unreached in every corner and as outskirts of Dharmapuri and Krishnagiri districts. It plays a vital role in providing the completeness of wisdom and knowledge, by educating and enriching the students from highly rural areas. It always excels with the sense of rendering standard education for a fulfilled development of this area.

## ABOUT THE DEPARTMENT

The Department of Physics was inception in the year 2012, which offers M.Sc., M.Phil. and Ph.D. programmes. The main objectives of the department is to motivate the students to rise, shine in life academically and professionally. Ph.D scholars are doing research under the fields like Crystal growth, Spectroscopy and Nano science. In addition to that, the department has been periodically organising seminars, conferences, workshops, industrial visits and special lectures to create awareness among the young students on current trends of Physics for global importance.

## ABOUT "Elavenil - ISTA"

The "Elavenil - ISTA" Science Organization is made up of researchers, professors, and various experts in the field of science and engineering. It has been actively involved in organizing conferences / seminars / presentations to enhance the research ability of College and University students, especially those from rural background. Elavenil Publisher, a part of the organization, publishes research articles in Tamil and English through the journal "Science and Technology Research Journal".

## ABOUT "ISPA"

Indian SpectroPhysics Association (ISPA) is the brain child of Veteran Professor and Scientist Ariviyal Mudumunaivar Sethu Gunasekaran. ISPA was started on April 23, 1998, it is a registered society under whose auspices, conferences, workshops and seminars are organized. ISPA is the peak of a strong belief that enlightening young minds and empowering them to pursue research through Spectroscopy. ISPA has an enviable record of having organized 16 International conferences and 18 National Conferences. ISPA has also organized 20 State Level Technical Seminars in Physical Sciences for PG and M.Phil. students, since 1999. Indian SpectroPhysics Association (ISPA) finds its place in encouraging renowned and young scientists by honouring them with ISPA Awards in the recognition of the research findings of the scientists. 15 Veteran scientist Awards, 54 Life Time Achievement Awards, 86 ISPA Ariviyal Mudumunaivar Sethu Gunasekaran Awards, Dr. S. Mohan Awards, are given to researchers who have made excellent contributions in the field of Research, during Conferences/ Seminars organized by ISPA. An international consortium has been made with the Medical University of Sofia for a tune of 1000 crore for a research project., Visit [www.ispa.org.in](http://www.ispa.org.in) for more details. Annual and Life Time Membership forms can be availed from the website.

## ABOUT THE CONFERENCE

The primary aim of the International Conference on Sustainable Materials for Biological and Energy Applications (SMBEA-2026) is to provide a dynamic platform for researchers, scientists, engineers, and innovators to convene and explore the multifaceted field of sustainable materials. The conference aims to explore the potential of sustainable materials in drug discovery, drug design, and drug delivery systems; it also aims to integrate the materials for energy sustainability, energy storage and conversion, and efficient energy utilization. The platform will encourage interdisciplinary collaboration among attendees, bridging the gap between materials science, biology, chemistry, and engineering. Overall, the conference will inspire the next generation of researchers and professionals to prioritize sustainability.

## FOCUSED AREAS

- Spectroscopy
- Crystal Growth
- Crystallography
- Bio Physics
- Medical Physics
- Ceramic Materials
- Drug Design
- DFT Analysis
- Materials Science
- Theoretical Physics
- Instrumentation
- Luminescent Materials
- Magnetic Materials
- Molecular Dynamics
- Modelling & Simulation
- MEMS Design
- Nanotechnology
- Nonlinear Optics
- Optoelectronic Devices
- Characterization Methods
- Surface Engineering
- Sensor & Smart Materials
- Superconductor Materials
- Semiconductor Materials
- Solar Technology
- Transport Properties
- Thin Film Technology
- Bio sensors
- Photocatalysts
- Polymer Composites

### International Advisory Committee

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Dr. Vijayan N - NPL, New Delhi  
Dr. Viswanath - IIT, Mandi

### Call for Abstracts

The authors intending to participate in this conference are requested to send their **abstracts of their research findings** within **250-300 words** (MS Word, 12pts, Times New Roman with 1.5 line spacing) on **all topics related to the focused areas** to **smbea2026@gmail.com** on or before **22<sup>nd</sup> January 2026**. The technical committee shall duly inform the oral/poster presentation to the authors of the selected abstracts. Proceedings with **ISBN number** shall contain the selected abstracts of **Invited lectures, Oral presentations, and Poster presentations**.

### Important Dates

**First Announcement:**  
19/11/2025

**Second Announcement:**  
18/12/2025

**Last date for Abstract Submission:**  
22/01/2026

**Acceptance Notifications:**  
25/01/2026

**FOR REGISTRATION [Click here](#)**



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## Registration Fees (Including 18% GST)

### Students (UG/PG)

▪ Participation : Rs. 354

▪ Presentation : Rs. 708

Research Scholars : Rs. 944

Faculty Members : Rs. 1180

**Prof. Dr. M. Selvapandiyam**

**Dr. M. Prasath**

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**SMBEA – 2026**

Department of Physics

Periyar University Centre for Post Graduate and Research Studies  
Dharmapuri – 635 205

**Mob: 9976493935, 99429 22455**