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**Dr. T. S. BASKARAN**, Principal, AVVMSPC.

## Conference President

**Prof. S. GUNASEKARAN**, Ph.D., D.Sc.  
Founder-President, ISPA

## Convenor

**Dr. P. GAYATHRI**, Head, Dept. of Physics, PMIST.

## Co-Convenor

**Dr. K. RAVICHANDRAN**, Head, Dept. of Physics, AVVMSPC.

## Coordinators

**Dr. J. JAYARUBI**, Asst. professor (SS) / Physics, PMIST.  
**Mr. R. KARTHICK**, Asst. professor (SS) / Physics, PMIST.  
**Dr. B. DEEPA**, Asso. Professor, AVVMSPC.



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## REGISTRATION FEE (inclusive of GST)

Faculty Members - Rs.1500/-  
Research Scholars - Rs. 1000/-  
Students (UG & PG) - Rs. 500/-  
Delegates from Industries - Rs.2000/-  
International participants - \$ 40

## ACCOUNT DETAILS

Name of the A/C : **Periyar Maniammai Institute of Science & Technology**

Account number : **196101000000001**

Bank and Branch : **IOB - PMU Pillaiyarpatti**

IFSC Code : **IOBA0001961**

Please mention ICRAMS your name while making payment (e.g. ICRAMS Kavitha R)

## INVITED SPEAKERS



**Prof. IRENA KOSTOVA**, Ph.D., D.Sc.

Department of Chemistry  
Faculty of Pharmacy  
Medical University, Bulgaria.



**Dr. JIBAN PODDER**, Ph.D., FRSC (UK), FBAS

Professor, Department of Physics  
Dean, Faculty of Science Bangladesh  
University of Engineering & Technology  
Dhaka, Bangladesh.



**Prof. M. SELVAPANDIAN**, Ph.D.

Professor, Department of Physics  
Periyar University Centre for PG &  
Research Studies, Dharmapuri.



**Prof. P.K. PRASEETHA**, Ph.D.

Department of Nanotechnology  
Noorul Islam Centre for Higher Education  
Kumaracoil, Thuckalay, Kanyakumari.



**Dr. S. KUMARESAN**, Ph.D.

Associate Professor, Department of Physics  
Aigrar Anna Government Arts College  
Cheyyar



**Dr. P. JANANI**, Ph.D.

Instructional Designer Head (Academics)  
Echtian Contents Private Limited, Mumbai



## 2<sup>nd</sup> International Conference on RECENT ADVANCEMENTS IN MATERIALS SCIENCE AND SPECTROSCOPY

**(ICRAMS - 2025)**

**24 - 25 February, 2025**

In Commemoration of  
NATIONAL SCIENCE DAY



Organized by

**DEPARTMENT OF PHYSICS**

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University) Vallam - 613 403, Thanjavur, Tamil Nadu, India.

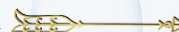
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**PG & RESEARCH DEPARTMENT OF PHYSICS**

A.V.V.M. Sri Pushpam College (Autonomous) Poondi - 613 503,  
Thanjavur (Dt.), Tamil Nadu, India.



In association with



**INDIAN SPECTROPHYSICS ASSOCIATION (ISPA)**

Chennai, Tamil Nadu, India.

Contact:

**Dr. J. Jayarubi - 9047394031**  
**Mr. R. Karthick - 9994679749**

## ABOUT PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY (PMIST)

Periyar Maniammai Institute of Science & Technology proudly stands as a unique center of academic excellence and higher learning. Guided by the vision of Thanthai Periyar and Annai Maniammai, the university is committed to its societal responsibility of transforming students from across India and abroad into empowered professionals. Situated in a rural area, the institution embraces students with diverse calibers and nurtures their potential through personalized attention and modern teaching methodologies, including product based learning, process demonstrations and case studies, shaping them into career oriented individuals with bright futures.

## ABOUT THE DEPARTMENT OF PHYSICS

The Department of Physics, established in 1988, boasts highly qualified and experienced faculty members. The department actively engages in research across various fields, including crystal growth, thin films, solar thermal energy, crystallography, membrane technology and condensed matter physics. It offers B.Sc. and M.Sc. Physics as regular programs, along with full-time and part-time Ph.D. opportunities. Equipped with a state-of-the-art laboratory, the department supports the academic and research needs of B.Tech, B.Sc., M.Sc., and Ph.D. students

## ABOUT A.V.V.M SRI PUSHPAM COLLEGE

It was not a dream but a relative thought of Sri. A. Veeriyar Vandayar and his truthful brother Sri. A. Krishnaswamy Vandayar in the year 1956. Started in his residence with 11 students and 3 duty-bound teachers, Sri Pushpam College has now spread its banyan shade for a prosperous learning. Vandayars are gentlemen farmers with a comprehensive skill for administrative management. Sri Pushpam with its sylvan delta surroundings which has a balanced eco system, is a haven for education.

## ABOUT THE PG & RESEARCH DEPARTMENT OF PHYSICS

The Department of Physics, established in 1961 with a B.Sc. program, became a Post-graduate department in 1972 and a Research Department in 1982, offering both part-time and full-time Ph.D. programs. Research in materials science began in 2006, with active focus areas including Thin Films, Nanotechnology, Crystal Growth, and Nonlinear Dynamics. The department collaborates with both international researchers and renowned Indian institutions. Over the past decade, it has completed five major and ten minor research projects and published over 300 research articles in Science Citation Indexed international journals with high impact factors.

## ABOUT ISPA

Indian SpectroPhysics Association (ISPA) is a brain child of Veteran Professor and Scientist Ariviyal Mudumunai 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 also has 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 Mudumunai 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 Team Membership forms can be availed from the website.

## ABOUT THE CONFERENCE

The conference "Recent Advancements in Materials Science and Spectroscopy 2025" serves as a dynamic platform for researchers, scientists, and industry professionals to explore the latest developments in materials science and spectroscopy. It will cover a wide range of topics, including advanced materials, nanotechnology, quantum materials, and innovative spectroscopic techniques, fostering interdisciplinary collaboration. The event aims to address key challenges in energy, healthcare, and environmental sustainability while providing a unique opportunity to exchange ideas, showcase innovations, and shape the future of science and technology.

## FOCUSSED AREAS

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

## CALL FOR ABSTRACTS

The abstract for research papers/articles should be submitted to [icrams2025@pmu.edu](mailto:icrams2025@pmu.edu) through email attachment in MS Word format (Times New Roman; line spacing 1.5 points; title 14 points; authors' names and affiliation – 10 points; content, keywords and e-mail 12 points.) The abstracts will be reviewed by an expert committee and only a select few will qualify for presentation. The posters should be of 90 x 120 cm size. The contents should be legible and clearly printed. Prizes will be awarded for the best presentations. The conference proceedings will be published with an ISBN number. Only selected papers shall be considered for publication in reputed Scopus/web of science indexed journal (subject to external review).

## ACCOMMODATION

Accommodation will be arranged on request in the campus for outside participants at minimal cost.

## IMPORTANT DATES

- Submission of Abstracts : 05.02.2025
- Registration last date : 05.02.2025
- Intimation of acceptance : 07.02.2025
- Submission of full-length paper : 15.02.2025

## Address for Communication

**Dr. P. GAYATHRI**, Head, Dept. of Physics, PMIST.  
[headphy@pmu.edu](mailto:headphy@pmu.edu)

**Dr. K. RAVICHANDRAN**, Head, Dept. of Physics, AVVMSPC.  
[kkravi1365@gmail.com](mailto:kkravi1365@gmail.com)

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