



## International Conference on Advanced Perspectives in Materials Science (ICAPMS – 2025)

7<sup>th</sup> January, 2025

organized by

**PG & Research Department of Physics  
Jamal Mohamed College  
(Autonomous)**

Accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with  
CGPA 3.69 out of 4.0 (Affiliated to Bharathidasan University)  
Tiruchirappalli – 620 020, India

in Association with

**Indian SpectroPhysics Association (ISPA)**  
Chennai, TamilNadu, India

### About the Conference

The International Conference on Advanced Perspectives in Materials Science is organized to facilitate young students and scholars to have from renowned scientists, researchers and experts a glimpse of the advanced perspectives of research in the field of Materials Science. They are provided with opportunities through poster and paper presentations to present their findings, get them peer reviewed by the best in the field so as to instill in them confidence and enthusiasm and guide them towards meaningful research.

**REGISTER NOW**

### INVITED SPEAKERS

**Prof. M. Lakshmanan** F.N.A.Sc., F.A.Sc., F.N.A., FTWAS



Professor of Eminence  
DST-SERB Distinguished Fellow,  
Bharathidasan University, Tiruchirappalli

**Prof. Jiban Podder**, Ph.D., F.B.A.S.



Professor, Department of Physics  
Dean, Faculty of Science  
Bangladesh University of Engg. & Tech. (BUET)  
Bangladesh

**Prof. S. Gunasekaran**, Ph.D., D.Sc.



Dean (R&D)  
St. Peter's Institute of Higher Education  
and Research, Chennai

**Prof. S. Jerome Das**, Ph.D..



Former Professor  
Department of Physics  
Loyola College, Chennai

**Prof. (Dr.) Nandakumar Kalarikkal**



Director, International Centre for Ultrafast Studies  
Senior Professor, School of Pure & Applied Physics  
Mahatma Gandhi University, Kottayam, Kerala  
Fulbright Fellow & Professor@Lorraine, IJL, France

**Prof. B. Sundrakannan**, Ph.D.



Professor & Head, Department of  
Physics, Manonmaniam Sundranar  
University, Tirunelveli

**Prof. M.Selvapandiyan**, Ph.D.



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

**Dr. P. Janani**, Ph.D.



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

## About the College

Jamal Mohamed College (Autonomous), Tiruchirappalli, India - a religious minority institution, was founded in the year 1951. From a humble beginning seventy four years ago, the college has grown from strength to strength and is presently a multi-disciplinary institution offering higher education to a large section of society. The college was granted autonomy status by the UGC, Government of Tamil Nadu and its affiliating university (Bharathidasan University), from the academic year 2004-2005. The college has been supported under various central schemes such as the DST-FIST, DBT-Star College Scheme, UGC-NSQDF. During 2024 it bagged the 59<sup>th</sup> Rank in NIRF. Currently it is accredited with A++ Grade by NAAC (4<sup>th</sup> Cycle) with CGPA 3.69 out of 4.0.

## About the Department

The Department of Physics with its excellent infrastructural and laboratory facilities and well qualified staff, is offering UG, PG and Ph. D. courses. Taking advantage of the autonomy granted to the college and in cognizance of the emerging trends in Physics research and education, the department has been introducing new courses catering to the academic and employment aspirations of its students. With DST FIST financial assistance, the department has added FT-Raman Spectrometer to foster in-house research. It has entered into partnership (MOUs) with premier institutes to facilitate information interchange among the students, scholars and staff. The Vainu Bappu Astronomical Club, HAM Radio Club, Science Siragagul Team of the department cater to the variegated interest of the students, strengthening their knowledge base and building in them leadership qualities.

## About ISPA

Indian SpectroPhysics Association (ISPA) is a 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 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 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.

## Focused Areas

- Spectroscopy
- Crystal Growth
- Crystallography
- Bio Physics
- Medical Physics
- Ceramic Materials
- Drug Design
- Instrumentation
- Luminescent Materials
- DFT Analysis
- Materials Science
- Theoretical Physics
- MEMS Design
- 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

## International Advisory Committee

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	Dr. M. Jamal Mohamed Jaffar, Tiruchirappalli

## Awards

ISPA Veteran Scientist Award  
ISPA Life Time Achievement Award  
ISPA Dr. S. Gunasekaran Award  
Best Presentation Awards

## Important Dates

Submission of Abstracts : 26.12.2024  
Intimation of Acceptance : 30.12.2024  
Last date for Registration : 02.01.2025

## Patrons

Hajee. M. J. Jamal Mohamed Bilal  
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Dr. A. Ishaq Ahamed

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Dr. S. Shek Dhavud, Associate Professor

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## Call for Abstracts

The abstract for research papers/articles should be submitted to [icapms2025@gmail.com](mailto:icapms2025@gmail.com) 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.

Note: A book of abstracts will be released at the conference, and the selected papers will be brought out as a Proceedings.

## Registration and Payment Details

Students/ Research Scholars - Rs. 300  
Faculty Members - Rs. 500  
Industry Persons - Rs. 750

The registration fees can be paid via Netbanking to the following account as given below and the UPI Transaction Identity has to be quoted in the registration form.

Interested participants from other states (other than Tamil Nadu) may be permitted to attend the conference online upon request.

Type of Account : Current Account  
Account Number : 04670200000000  
Account Name : Jamal Mohamed College  
IFSC Code : IOBA0000467  
Bank : JMC Overseas Bank,  
Branch : JMC Branch, Tiruchirappalli

## Address for Communication

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Dr. R. Raj Muhamed & Dr. S. Shek Dhavud  
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