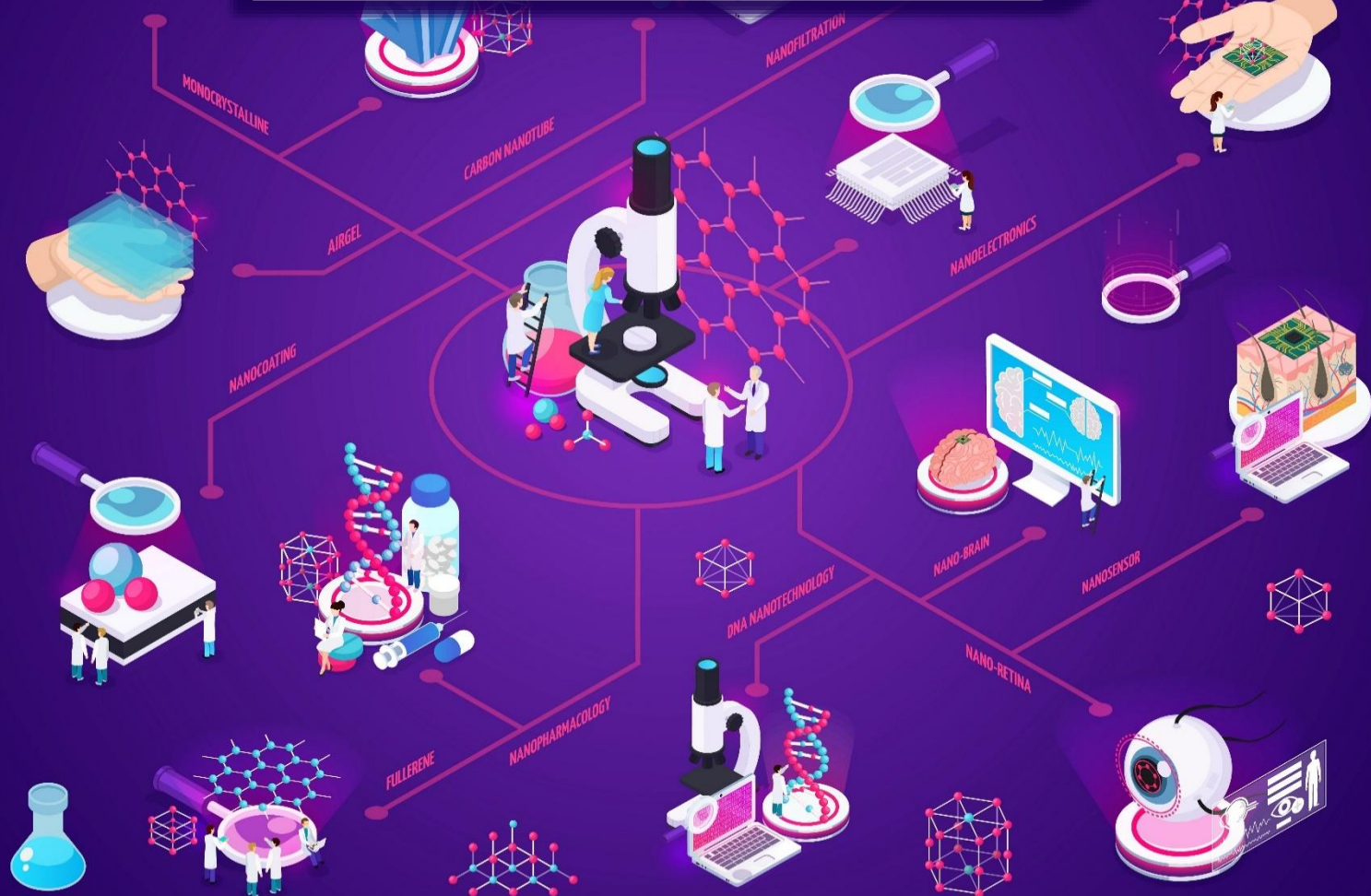




# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)  
CATEGORY - 1 UNIVERSITY BY UGC



## INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS & CHARACTERIZATION

August 11-13, 2025

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

CHENNAI-600119, TAMILNADU, INDIA

[www.icamsist.in](http://www.icamsist.in)

Sathyabama is a prestigious institution which excels in the fields of Engineering, Science and Technology for more than three successful decades. It offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, Law, Dental Science, Pharmacy, Nursing, Management, Arts and Science and Allied Health Sciences. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with 'A++' Grade by the National Accreditation and Assessment Council. The Institution has been Graded as Category I University by UGC under the UGC (Categorization of Universities (only) for Grant of Graded Autonomy) Regulations, 2018. Sathyabama has a good presence in rankings and ratings at National and International level. The Institution has been ranked in 51<sup>st</sup> position by the National Institutional Ranking Framework (NIRF), Government of India among the Universities in India for the year 2024 and ranked one among the top 100 Universities for ninth consecutive years. Times Higher Education and QS has ranked Sathyabama among the top Institutions worldwide. Sathyabama Institute of Science & Technology has alliances with leading Universities and research establishments at National and International Level. It is a research intensive University with world class laboratories and research facilities and is involved in research in the emerging areas of Science and Technology. Sathyabama has undertaken various sponsored and collaborative R&D projects funded by National and International Organizations.

### Centre for Nanoscience and Nanotechnology

The Centre for Nanoscience and Nanotechnology was established in January 2006 at the University campus to accomplish the goal of enhancing advanced research in the areas of Nanoscience and Nanotechnology. The leading area of research includes nanomaterials, nanotechnology, composite materials, nanoelectronics and nanofabrication. In addition to research, the centre also conducts training and awareness programme, workshops, national and international conferences on recent trends and developments on various themes of national interests. The Centre is undertaking research and development projects from various national/international funding agencies. The institute offers research fellowships and scholarship programmes to students and researchers to facilitate for innovations and advancements in higher education. The Centre has equipped with many core research facilities for coatings deposition including RF/DC magnetron sputtering, Pulsed Laser Deposition (PLD), E-Beam Evaporation and Thermal Evaporation; and characterization facilities such as Field Emission Scanning Electron Microscopy (FESEM), High-resolution Scanning Transmission Electron Microscopy (HRSTEM), X-Ray Photoelectron Spectroscopy (XPS), Atomic Force Microscopy (AFM), Raman Spectroscopy, Glancing Angle X-Ray Diffraction (GIXRD), Linear Reciprocating Tribometer (LRT), Stylus Profilometer, Electrochemical Impedance Spectroscopy (EIS) and Hall effect, etc. Through these cutting-edge research facilities, we are developing innovative technologies for the industrial and social benefits.

### Centre of Excellence for Energy Research

The Centre of Excellence for Energy Research (CEER) funded by the Ministry of Human Resource Development (MHRD), Govt. of India under the scheme of Centre of Excellence in the Frontier Areas of Science and Technology (FAST), and was inaugurated by His Excellency Dr. A. P. J. Abdul Kalam, Former President of India on December 09, 2014 in the august presence of Col. Dr. JEPPIAAR, Founder Chancellor, Chancellor, and President of the Sathyabama Institute of Science and Technology. The CEER aims to promote research activities in the area of Solar Photovoltaic, Fuel Cells, Supercapacitors, and Bio-energy etc. The main objectives of this Centre of Excellence is to promote education, training, R&D programmes in the novel and newly emerging areas of energy research and to develop cost effective, efficient and sustainable technologies for the energy needs of the nation. The Centre also aims to enhance the quality and quantity of basic and applied research programs. The Centre would organize training programs/workshops/conferences for students, researchers, academic staff, and scientists in India to further strengthen their expertise in the areas of energy research, to accelerate the India's human development index and to provide energy security.

# About SG LAB FORUM

SG LAB FORUM is a professional association established in Singapore to connect Lab professionals (chemists, biologists and scientists) for Learning, knowledge sharing, networking and collaboration. It is a registered body under Singapore Registry of Society. SG LAB FORUM organises training on ISO 17023 related topics and advanced analytical instruments. SG LAB FORUM organises symposium/conference on special and emerging topics such advanced materials, advanced analytical techniques, Microplastics etc. Advanced Materials and Characterization is a conference that was started back in 2019 and yearly conducted in different country through academic partnership. This year, we are delighted to organize ICAMC 2025 jointly with Sathyabama Institute of Science and Technology, Chennai, Tamilnadu, India.

ICAMC 2025

## About ICAMC2025

We are pleased to announce that the **International Conference on Advanced Materials & Characterization 2025 (ICAMC2025)** will be held in **Sathyabama Institute of Science and Technology (SIST), Chennai, Tamilnadu, INDIA during August 11–13, 2025.**

The ICAMC2025 aims to highlight the current research in the thrust areas of materials science and technology. The ICAMC2025 will be a platform of interactions for experts around the world, with the goal of accelerating scientific discoveries in the fields of nanomaterials and nanotechnology, materials science and engineering, and polymers. This conference features oral presentations by scientists, researchers, research scholars, and students on various topics related to materials science and technology, as well as keynote addresses from distinguished scientists worldwide. All the topics related to advanced materials and characterization for sustainable applications are open for oral and poster presentations during the ICAMC2025.

The **International Conference on Advanced Materials & Characterization 2025** will bring together researchers and students from around the globe for a three-day conference with the theme "**Advanced Materials for Sustainable Future**".

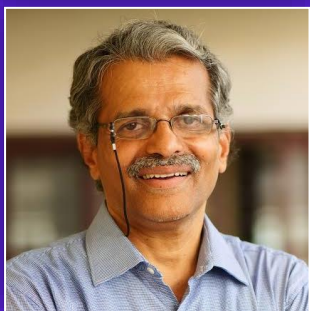
## CONFERENCE THEMES

- Advanced Energy Materials
- Advanced Engineering Materials
- Advanced Polymers
- Advanced Coating Materials
- Advanced Biological Materials
- Shape Memory Alloys
- Phase Change Materials
- Magnetic Materials
- Ceramic Composites
- Metals, Alloys & Compounds
- Optoelectronic Materials
- 3D Printing
- Materials for Quantum Computing
- AI Based Tools & Techniques



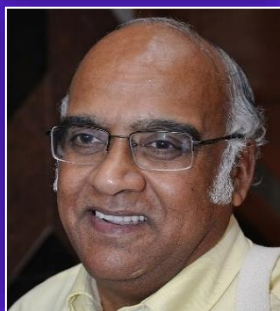


# PLENARY SPEAKERS



**Prof. SABU THOMAS**

Director, School of Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala, INDIA



**Prof. S. SIVARAM**

Honorary Professor Emeritus and INSA Emeritus Scientist, Indian Institute of Science Education and Research, Pune, INDIA



**Prof. S. ARUMUGAM**

Vice Chancellor  
Tamil Nadu Open University  
Chennai, INDIA

# INVITED SPEAKERS



**Prof. Shogo Kumagai**

Tohoku University, Sendai,  
Fukushima Prefecture, JAPAN



**Dr. Arup Dasgupta**

Head, SMART Materials Section & Physical Metallurgy Division, IGCAR  
Professor, HBNI, INDIA



**Dr Sathrugnan Karthikeyan**

Regional Technical Manager  
Frontier Laboratories, Singapore



**Dr. G. Sivakumar**

Scientist, Centre for Engineered Coatings, ARCI, Hyderabad, INDIA



**Prof. Chanatip Samart**

Department of Chemistry  
Thammasat University,  
Bangkok, THAILAND



**Dr. Wan Nor Roslam Wan Isahak**

Associate Professor, Department of Chemical and Process Engineering  
The National University of Malaysia



**Prof. Dr. Suwadee Kongparakul**

Director Centre for Bio energy and catalysts,  
Thammasat University, THAILAND



**Prof. Sivakumar Manickam**

Faculty of Engineering  
University of Technology Brunei (UTB)  
Brunei



**Dr. Atsushi Watanabe**

Frontier Laboratories, Japan  
Adjunct Professor,  
Tohoku University, JAPAN



**Dr. P. Kuppusami**

Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai, INDIA



**Prof. R. Vinu**

Department of Chemical Engineering  
IIT Madras, INDIA



**Prof. M S Ramachandra Rao**

Head, Indian Solar Energy Harnessing Centre (ISEHC)  
IIT Madras, Chennai, INDIA

**Dr. Arshad Salema**

Associate Professor, School of  
Engineering, Monash University,  
Malaysia Campus

**Dr. Sougata Ghosh**

Visiting Professor  
Kasetsart University  
Thailand

**Dr. Vinu Mohan A.M.**

Assistant Professor  
Sreenidhi University  
Hyderabad, INDIA

**Dr. Gopal Darbha**

Associate Professor, Centre for Climate and  
Environmental Studies &  
Department of Earth Sciences  
IISER Kolkata, INDIA

**Dr. G Senthilkumar Arumugam**

Founder & Director, SSS International  
Drug Discovery and Development  
Research Pvt Limited, Sudha and  
Shanker Innovation Hub IITMADRAS

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## REGISTRATION DETAILS

**Abstract Submission : July 05, 2025**

**Intimation of Acceptance : July 15, 2025**

**Early Bird Registration : July 20, 2025**

**Last Date for Registration : July 25, 2025**

CATEGORY	FEE
Indian Delegate - Students/Scholars	INR 3000
Staff/Scientist/Faculties	INR 4000
Staff/Scientist from Industry/ Company	INR 6000
Participation only /Accompany	INR 2000
Foreign Delegate	USD 300
Foreign Participants only /Accompany	USD 125

## ACCOUNT INFORMATION (Online Transfer)

Account Name	Dean (Publications & Conferences), Sathyabama Institute of Science & Technology (Deemed to be University)
Account Number	891734627
IFSC CODE	IDIB000T020
SWIFT CODE	IDIBINBBTLT
BRANCH CODE	098
Bank, Branch & Address	Indian Bank, Thousand Lights Branch, Chennai - 600 006, India

## FOREIGN PARTICIPANTS (Online Payment)

<https://buy.stripe.com/4gwg2h0X07uhb3WaEG>

## REGISTRATION LINK

<https://tinyurl.com/3bm9ufzr>

## Contact Us



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