

SATHYABAMA

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

Approved with A++ Grade by NAAC / Approved by AICTE

NATIONAL CONFERENCE ON

“FLUORESCENCE MATERIALS & BIO-IMAGING”

(FLUORESCENCE-2025)

Date: 20th – 22nd Jan 2025 Time: 9 AM to 3 PM

Venue: S&H seminar Hall

ORGANISES

**SCHOOL OF SCIENCE AND HUMANITIES
DEPARTMENT OF CHEMISTRY**

RESEARCH EXPERTS & GUEST SPEAKERS



Dr. A. K. Mishra
Professor,
Department of Chemistry,
IIT Madras.



Dr. S. Easwaramoorthi
Principal Scientist,
CLRI Chennai.



Dr. Amilan Jose Devadass
Assistant Professor,
Department of Chemistry,
NIT Kurukshetra.



Dr. P. Muthu Mareeswaran
Assistant Professor,
Department of Chemistry,
Anna University,
Chennai.



Dr. Jigneshkumar V. Rohit
Assistant Professor,
Department of Chemistry,
NIT Srinagar.

About Sathyabama University

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. The Institution persistently seeks and adopts innovative methods to improve the quality of higher education and is responsive to the changes taking place in the field of education on a global scale. Sathyabama has a good presence in rankings and ratings at National and International level. The Institution has been ranked in 51st position by the National Institutional Ranking Framework (NIRF), Government of India among the Universities in India for the year 2023 and ranked one among the top 100 Universities for eight consecutive years. Sathyabama is ranked among the Top 5 Institutions in the Country for Innovation by ATAL ranking of Institution for Innovation Achievements, Govt. of India. Times Higher Education and QS has ranked Sathyabama among the top Institutions worldwide.

About the Department

The Department of Chemistry was one of the founding departments of Sathyabama started in the year 1988 with the aim of providing a strong foundation in Science and Technology for undergraduate engineering students and fostering research activities in Chemistry. The department has started its research programme in the year 2001 and established the post-graduate and undergraduate courses in the year 2015 and 2017 respectively. Ever since, the department is shaping the students career through its graduation programme and has produced many postgraduates and undergraduates. In research domain, it has spread its wings in translational research with a leading- edge technology in health care treatment, industrial catalysis and in socially relevant research projects. It has well-established laboratories equipped with sophisticated instruments, which fulfil the needs of PG and Ph.D students. The department boasts well-qualified faculty members, with 15 doctorates, who bring their experience and expertise to the table. It has doctorates and post-doctorates from world class institutions like NUS, IIT, NIT CECRI, NML, etc. and published more than 200 research papers in reputed journals with high impact factor. The department has undertaken many research projects funded by CSIR, ISRO, DST and IGCAR.

PATRONS

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Dr. Marie Johnson, President

Mr. J. Arul Selvan, Vice President

Ms. Maria Bernadette Tamilarasi,

Vice President

Ms. Maria Catherine Johnson,

Vice President

Dr. T. Sasipraba, Vice Chancellor

PROGRAMME COORDINATOR

Dr. Rekha Chakravarthi,
Dean, Arts & Sciences

CONVENORS

Dr. J. Karthikeyan,
Prof & Head, Department of Chemistry

Dr. T. Anand,
Assistant Professor, Department of Chemistry

About the Programme & its Objectives

The National Conference on "FLUORESCENCE MATERIALS & BIO-IMAGING" (Fluorescence-2025) will take place from January 20 to 22, 2025. This conference intends to give networking opportunities for academics, scientists, engineers, and scholars to discuss their expertise, fascinating thoughts, and breakthrough fluorescence research. It also provides a forum for discussing real-world difficulties, challenges, and solutions. Fluorescence materials and imaging have a wide range of applications in both chemical and biological sciences. In all areas of optical chemical sensor and biosensor research, development, and application. The meeting is extremely interdisciplinary, bringing together chemists, physicists, biologists, engineers, and technologists. The conference is intended to provide a fantastic chance to expand information, produce new ideas, and encourage breakthroughs and changes in academic research.

Advisory Committee

Dr. K. P. Elango, Professor, Gandhigram University

Dr. S. Velmathi, Professor, NIT Trichy

Dr. Narendar Singh, Professor, IIT Ropar

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Dr. M.Siluvai Michael, SSN Institutions, Chennai

Dr.A. Ravi, NIT Srinagar

Dr. Mahalakshmi, VIT Chennai

Dr. K. Kanagaraj, Shanghai University, Shanghai, China

Abstract Submission

Authors are invited to submit one page abstract with title, author affiliation (with asterisk mark on corresponding author and Times New Roman, Font size: 12, 1.5 space) along with the registration form to the convenor, on or before 11-01.2025. The name of the presenting author should be underlined. The acceptance of the abstract will be communicated to the corresponding / presenting author through an email. All accepted abstracts will be published in the conference proceedings with an ISBN number. The selected full papers will be proposed for publishing in Scopus-indexed journals based on willingness of the authors.

Poster Presentation

The dimension of the poster: Vertical height: 90 cm; horizontal width 60 cm. The poster will be placed vertically.

Oral Presentation

Power point Presentation for about 8 minutes followed by 2 minutes discussion.

Topics to be Covered

- Fluorescent probes and sensors
- Wearable sensors
- Fluorescent proteins
- Single molecule sensing
- Luminescence and FRET sensors
- ICT & ESIPT compounds
- Biomedical Applications
- Ultrafast spectroscopy, single molecule
- Nanophotonics and biophotonics
- Super-resolution, cell imaging, cell probes
- Upconversion emission
- Photoresponsive materials
- Other fluorescence-related topics

Abstract Submission : 08-01-2025

Acceptance notification : 11-01-2025

Registration deadline : 11-01-2025

Registration

Participation : Rs. 500

Registration (Paper Presentation)

UG/PG Students : Rs. 500

Research Scholars : Rs. 750

Faculty Members : Rs. 1000

Industry People : Rs. 1000

Reg. Link: <https://forms.gle/fcP6s9jpaDyG52fU7>



Payment Details

Name : : Dean (Publications & Conference) Sathyabama University

A/C No. : 891734627

Account Type : Current

Bank : Indian bank

Branch : Thousand Lights, Chennai

IFSC Code : IDIB000T020



Address for Communication

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Convenor

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Chennai