



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

CATEGORY-1 UNIVERSITY BY UGC

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



DEPARTMENT OF CHEMISTRY

SCHOOL OF SCIENCE AND HUMANITIES

ORGANISES



National Conference on

“ChemiSphere 2026: Innovations in Energy,

Environmental and Forensics in the Era of AI”

Date: 29th-31st July 2026, Time: 9.30AM to 3.15PM

CHIEF PATRONS

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Ms. Maria Bernadette Arul Selvan, Vice President

PATRONS

Dr. B. Sheela Rani, Vice Chancellor

ORGANIZING SECRETARY

Dr. Rekha Chakravarthi, Dean - Arts & Science

CONVENOR

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

CO-CONVENORS

Dr. T. Anand,
Dr. Y. Sasikumar &
Dr. K. Karthik
Assistant Professor,
Department of Chemistry

About Sathyabama University

Sathyabama is a prestigious institution established under Sec.3 of UGC Act, 1956 and has 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 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. Sathyabama has a good presence in rankings and ratings at National and International level. 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 established in 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 started its research programme in 2001 and established the post-graduate and undergraduate courses in the year 2015 and 2017 respectively. 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 fulfill 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 has published more than 200 research papers

NATIONAL ADVISOR COMMITTEE

Prof. Chandrabhas Narayana, RGCB
Prof. Asim Bhaumik, IACS, Kolkata
Prof. Binoy Kumar Saikia, CSIR-NEIST
Prof. R. Jayavel, Anna University
Prof. S. Velmathi, NITT
Prof. Prakash Muthuramalingam, SRMIST
Dr. M. Sankaralingam, NIT Calicut
Dr. S. Murugesan, MKU
Dr. P. Muthumareeswaran, Anna University
Dr. K. Kanagaraj, CUKmr
Dr. Sarveshwari, VIT Vellore
Dr. M. Siluvai Michael, SSN Chennai

CALL FOR PAPERS

In addition to the technical presentations by leading academicians and Scientists, there will be contributory oral/poster presentations by researchers on their research work. The abstract of the presentation has to be submitted to the mail id chemisphere2026sist@gmail.com in the prescribed format before the dead line. The accepted abstracts will be published as conference proceedings with ISBN number.

Conference Themes

Theme 1: Energy & Sustainable Technologies

Sub-domains:

- Hydrogen Energy & Fuel
- Solar Energy Conversion
- Energy Storage Devices : Batteries & Supercapacitors
- Catalysis for Energy Applications
- Carbon Capture, Utilization and Storage (CCUS)
- Bioenergy and Waste-to-Energy Technologies
- Nanomaterials for Energy Applications



Dr. N. Balasubramanian
Professor,
Department of Chemical Engineering,
AC Tech, Anna University, Chennai.



Dr. S. Nagarajan
Professor,
Department of Chemistry,
NIT, Warangal

Theme 2: Environmental Science & Engineering

Sub-domains:

- Water & Wastewater Treatment Technologies
- Photocatalytic and Advanced Oxidation Processes
- Air Pollution Monitoring and Control
- Soil Remediation and Environmental Protection
- Green Chemistry and Sustainable Processes
- Microplastics and Emerging Contaminants
- Environmental Monitoring and Sensor Technologies
- Climate Change Mitigation & Adaptation



Prof. Somnath C Roy
Professor,
Department of Physics, IIT
Madras, Chennai.



Dr. Keerthi
Assistant Professor,
Department of Chemistry,
Anna University, Chennai.

Theme 3: Chemical Sciences & Advanced Materials

Sub-domains:

- Organic, Inorganic & Physical Chemistry
- Materials Chemistry & Nanotechnology
- Polymer Science & Engineering
- Surface & Interface Chemistry
- Electrochemistry and Corrosion Science
- Computational Chemistry & Molecular Modelling
- Functional Materials for Catalysis and Sensing



Prof. S. Sampath
Professor,
Department of Inorganic &
Physical Chemistry,
IISC, Bangalore.



Prof. C. Gopinath
Professor,
Department of Chemistry,
IIT, Palakkad.

Conference Themes

Theme 4: Forensic Science & Analytical Techniques

Sub-domains:

- Forensic Chemistry & Toxicology
- Trace Evidence Analysis
- DNA Fingerprinting & Biomolecular Analysis
- Cyber Forensics & Digital Evidence
- Questioned Document Examination
- Fingerprint & Impression Analysis
- Environmental Forensics



Prof. P. Madhava Soma Sundaram
Professor,
Manonmaniam Sundaranar
University, Tirunelveli.



Prof. S. Latha
Professor,
Department of Criminology,
University of Madras,
Chennai.

Theme 5: Interdisciplinary & Emerging Areas

Sub-domains:

- Smart Materials and Sensors
- Circular Economy & Sustainable Development
- Green Nanotechnology
- Biochemistry & Pharmaceutical Chemistry
- Chemical Education & Research Methodologies
- Startups and Technology Translation



Prof. P. Kalaiselvi
Professor,
Department of Medical Biochemistry,
University of Madras, Chennai.

Theme 6: Artificial Intelligence in Science & Emerging Areas

Sub-domains:

- AI & Machine Learning in Chemistry and Forensics
- AI in Drug Discovery & Computational Biology
- AI for Climate Science & Sustainability
- AI in Materials Science & Nanotechnology
- AI in Space Science & Astronomy
- AI in Medical Sciences & Interdisciplinary Sciences



Dr. Velmurugan Gunasekaran
Assistant Professor,
Department of Chemistry,
NIT Trichy.

Who Can Attend?

Scientists, Faculty members, Postdoctoral Fellow, Research Scholars, UG & PG Students from Science and Engineering branches & professionals from Research and Development.

Registration Fees

Category	Fees (Rs.)
UG/PG Students	750/-
JRF/SRF/Ph.D./Post Doc.,	1000/-
Faculty/Scientist	1250/-
Industrial Participant	1500/-
Spot Registration	2000/-

Mode of Payment:

Participants can pay the prescribed fee (Non-Refundable) through NEFT/IMPS/Other mode using the following bank account details:

Bank Name : Indian Bank
Bank Branch : Sathyabama Branch, Chennai
Account Name : Dean School of S&H-Sathyabama
Account Number : 6624558894
IFSC Code : IDIB000S021

IMPORTANT DATES

Registration Link: Scan the QR



First Announcement: 11.05.2026

Abstract Submission & Registration Begins: 11.05.2026

Abstract Submission Ends: 25.07.2026 Communication of Acceptance: 26.07.2026

Registration Ends: 29.07.2026

Accommodation

First come first serve basis and will be arranged at free of cost in the university hostels for limited participants. Accommodation will be provided for Physical mode participants only. Faculty & Scientist who require an external accommodation please contact convenors.

Theme Coordinators

Theme	Name & Contact
Energy & Sustainable Technologies	Dr. V. Kavitha Dr. S. Sunitha Dr. Y. Sasikumar
Environmental Science & Engineering	Dr. T. Krithiga Dr. S. Supriya Dr. Sayantani Bhattacharya
Chemical Sciences & Advanced Materials	Dr. Amrita Pal Dr. S. Gayathri Dr. K. Kavitha
Forensic Science & Analytical Techniques	Dr. Suleman Choudry Dr. Angela Mathew Ms. Nandhana Jayakumar
Interdisciplinary & Emerging Areas	Dr. K. Anju Dr. CP. Surya
Artificial Intelligence in Science & Emerging Areas	Dr. R. Ramya Ms. Jesinatha J Ms. Shamili V

Accommodation & Logistic Coordinators

Dr. K. Chennakesavalu :- 9600187387

Dr. T. Anand :- 9944072582

Dr. K. Karthik :- 9739757522