

Please find key updates on the conference webpage:
<https://smartchem.sju.edu.in/>
<https://sites.google.com/sju.edu.in/smartchem2026/home>



Registration Details

Registration Fee

Domestic Participants (₹)

Category	Early Bird	Regular
UG Students	800	1000
PG Students	1000	1500
Research Scholars	2000	2500
Academicians	3500	4000
Industry Delegates	7000	8000

Overseas Participants (US\$)

Online	80	100
Offline	500	600



Scan the QR Code to Access
Registration Form

URL Link: <https://tinyurl.com/bdehscv7>



Scan the QR Code to Access
Accommodation Option

URL Link: <https://tinyurl.com/yfu72p4z>



Payment Details

Account Name	St Joseph's University Collection Account
Account Number	0964073000000053
Account Type	Current Account
IFS Code	SIBL0000964
Bank name	South Indian Bank
MICR	560059032
SWIFT	SOININ55XXX
Branch	0964 Langford Road Branch



For Further Details, Please Contact

Dr Joyce Q. D'Souza, Ph. No.: +91-9008871177
 Ms Christine Nigli, Ph. No.: +91-9008722424
 Email: smartchem2026@office.sju.edu.in



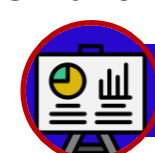
Call for Abstracts & Papers

- ❖ Abstract format: Single column, A4 size, line spacing 1.3, Font size: 12, Font style: Times New Roman.
- ❖ The abstract should not exceed 300 words. The purpose of the work, research methods used, key findings, major conclusions and keywords should be clearly stated. Two or more references can be included. Click here for [Abstract template](#)
- ❖ Abstract as mentioned in the above template should be submitted to the following email ID: smartchem2026@office.sju.edu.in



Review Process

- ❖ **Initial Screening:** The committee screens submissions for compliance with basic requirements, such as format, length, and relevance. Non-compliant submissions may be returned for revision or rejected.
- ❖ **Double-Masked Peer Review:** Submissions undergo a double-masked review to evaluate originality, relevance, rigor, clarity, and impact. Reviewers provide comments and recommendations, which may include accepting, revising, or rejecting them.
- ❖ **Reviewer Feedback and Revisions:** The committee will consolidate the feedback and authors may be asked to revise based on reviewer comments.
- ❖ **Final Decision:** The committee will communicate the final decisions to authors regarding acceptance, conditional acceptance, or rejection within 5 days of submission.



Presentation Formats

Oral Presentations

- ❖ **Duration:** Each oral presentation will be allotted 10 minutes and includes a 2 minute Q and A session. Visual aids (e.g., PowerPoint slides) are encouraged for presentation.
- ❖ **Technical Help:** Presenters will have access to a laptop, projector, and microphone. Slides should be submitted in advance (January 14, 2026), in PPT/PDF format, to ensure compatibility.
- ❖ **Timing:** Strict adherence to the time limit is essential.

Poster Presentations

- ❖ **Dimensions:** Posters should not exceed 36" (width) X 48" (length)-Portrait.
- ❖ **Content:** Posters should summarize the key aspects of the research including title, authors, affiliations, abstract, objectives, methodology, key findings and conclusions, acknowledgements and references.
- ❖ **Materials:** Posters should be printed and mounted on the provided boards. The materials for mounting will be provided.
- ❖ **Interactive Session:** Authors will have designated time slots for an interactive poster session to discuss their research and answer questions from attendees.



Awards

- ❖ Best Oral Presentations (8): Two awards in each category.
- ❖ Best Poster Presentations (8): Two awards in each category.



Key Dates

- ❖ Deadline for Early Bird Registration: **November 18, 2025**
- ❖ Deadline for Abstract Submission: **January 05, 2026**
- ❖ Deadline for Regular Registration: **December 18, 2025**
- ❖ Conference Dates: **January 15-17, 2026**

St Joseph's University

#36, Lalbagh Road, Bengaluru, Karnataka 560027
 A Public-Private-Partnership University Under
 RUSA 2.0 of MHRD (Government of India)
 Established by the Karnataka Govt.
 Act No. 24 of 2021



School of Chemical Sciences
 Department of Chemistry
 presents 3-Day
International Conference
 on

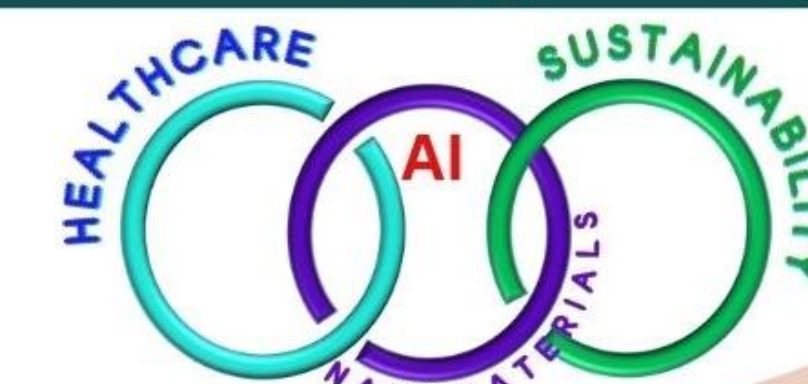


SMARTCHEM 2026

CONVERGENCE OF HEALTHCARE,
 ARTIFICIAL INTELLIGENCE, NANOMATERIALS,
 AND SUSTAINABILITY

CHAINS

January 15-17, 2026



Department of Chemistry

100

Years



<https://smartchem.sju.edu.in/>

Conference
Sponsors

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About the University

St Joseph's University (SJU) is a Jesuit University situated at the heart of Bengaluru, the Silicon City of India. Established in 1882 by Paris Foreign Mission Fathers, the college management was handed over to the Society of Jesus (the Jesuit order) in 1937. The college was first affiliated with the University of Madras and later with the Mysore and Bangalore universities. In 1986, St Joseph's College became the first affiliated college in Karnataka to offer postgraduate courses. In 1998, it became the first college in Karnataka to get a research centre, and in 2005, it was one of the five colleges in Karnataka that was awarded academic autonomy. In February 2021, the St Joseph's University bill was presented in the Karnataka Legislative Assembly and was subsequently passed by the Legislative Assembly and Karnataka Legislative Council. The college received its University status on 2nd July 2022 and was inaugurated as India's first Public Private Partnership University by the Hon'ble President of India, Smt. Droupadi Murmu on 27th September 2022.



About the School of Chemical Sciences and the Department of Chemistry

The School of Chemical Sciences at St Joseph's University comprises the Department of Chemistry (established in 1927) and the Department of Biochemistry (established in 2020). It offers undergraduate, postgraduate and doctoral programmes in chemistry and undergraduate programmes in biochemistry. Known for its highly qualified faculty and carefully curated syllabi, the school emphasizes analytical thinking through research-based pedagogical tools and project work, leading to student publications in renowned journals. The year 2026 marks the beginning of centennial celebration of the Department of Chemistry.

The school's research facilities include advanced scientific instruments, enabling work in catalysis, materials chemistry, electrochemistry, organic synthesis and protein chemistry. The Academic Staff has guided over 35 PhD scholars and, published more than 400 research publications in peer-reviewed journals, and received support from prestigious funding agencies. The Department of Chemistry has earned DBT-STAR and DST-FIST recognition. It collaborates nationally and internationally with highly reputed institutions and is supported by MoU with chemical industries.

The undergraduate and postgraduate chemical societies organize various activities, including lectures by prominent scientists, inter-collegiate events, and outreach programs. The Department of Chemistry strives for academic excellence to develop skilled chemists who contribute positively to the society.

The Main Objective and the Themes of the Conference



- ❖ The International Conference aims to bring together researchers, academicians, industry experts, and policymakers.
- ❖ Addresses pressing sustainability challenges.
- ❖ Explores transformative approaches in chemistry that address the pressing challenges of the 21st century.
- ❖ The conference underscores a commitment to environmental responsibility and aligns with global sustainability objectives.

1. AI-Driven Molecular Design and Computational Chemistry:

- ❑ Machine learning for reaction prediction and retrosynthesis planning
- ❑ AI in drug discovery and biomolecular simulations
- ❑ AI applications in organic and inorganic reaction mechanisms
- ❑ Quantum chemistry with artificial intelligence
- ❑ Big data analytics in chemistry and material sciences
- ❑ Digital twins for chemical processes
- ❑ AI for pharmaceutical, petrochemical, and specialty chemical industries

2. Nanomaterials for Energy, Environment, and Healthcare

- ❑ Metal-Organic-Frameworks (MOFs) as molecular ‘rooms for chemistry’
- ❑ Nanostructured catalysts for clean and renewable energy
- ❑ Nanomaterials in electrochemical energy storage: batteries, fuel cells, supercapacitors
- ❑ Nano-enabled electrochemical/biosensors for diagnostics and healthcare
- ❑ Environmental remediation using nanotechnology
- ❑ Nanomaterials in sustainable agriculture and food chemistry
- ❑ Organometallic and inorganic nanomaterials for catalysis and energy applications
- ❑ Industrial applications of nanomaterials in the energy and healthcare sectors
- ❑ Powering a sustainable future with ionic liquids and green solvents

3. Sustainable Chemistry and Circular Economy

- ❑ Green and atom-efficient synthetic strategies
- ❑ Catalysis for carbon dioxide capture, conversion, and utilization
- ❑ Plastic degradation, recycling, and upcycling approaches
- ❑ Bio-based polymers and materials for sustainability
- ❑ AI-assisted life cycle analysis and sustainable process optimization
- ❑ Organic transformations and catalytic methodologies for green chemistry
- ❑ Industry best practices in sustainable manufacturing and waste management

4. Advanced Materials Characterization and Smart Devices

- ❑ AI-powered spectroscopy, microscopy, and high-throughput analysis
- ❑ Smart polymers, functional nanomaterials, and hybrid materials
- ❑ Intelligent materials for energy harvesting and storage
- ❑ Sensors and smart devices for real-time monitoring of pollutants
- ❑ Integration of AI and IoT in chemical and environmental sensing
- ❑ Inorganic and coordination chemistry approaches for functional materials
- ❑ Industry applications of smart devices in chemical and environmental monitoring
- ❑ Smart Devices and Space-Tech Integration in Education

Chief Patron

Rev. Fr Dionysius Vaz (Chancellor)

Patron

Rev. Dr Victor Lobo, SJ (Vice-Chancellor)

Core Committee

- ❖ Prof. Dr Ronald J. Mascarenhas (Pro-Vice-Chancellor)
- ❖ Prof. Dr Melwin Colaço
- ❖ Dr Libi Thomas (Dean of School of Chemical Sciences)
- ❖ Prof. Dr Nalini G. Sundaram (Head, Department of Chemistry)
- ❖ Dr Joyce Q. D'Souza (Convener)
- ❖ Ms Christine Nigli (Co-Convener)

Organizing Secretaries

Dr Joyce Q. D'Souza
Ms Christine Nigli

Organizing Committee

Faculty, Department of Chemistry

International Advisory Committee

- ❑ Prof. Chandrabhas Narayana, Professor in the Chemistry and Physics of Materials Unit, JNCASR, Bengaluru, and Former Director RGCB, Thiruvananthapuram.
- ❑ Dr Ashok Menon, Former Site Director, SABIC Global Sustainability Operations, Bengaluru.
- ❑ Dr Markus Obkircher, Director R&D, Merck India, Head of Customer Solutions, Bengaluru.
- ❑ Dr Nikhil Verghese, Adjunct Professor, Department of Material Science and NanoEngineering - Rice University, USA, Corporate Fellow: Corporate Technology and Innovation - SABIC and Courtesy Professor: Department of Mechanical Engineering, KAUST, KSA.
- ❑ Prof. Pulickel Madhavapanicker Ajayan, Professor of Materials Science and NanoEngineering, Rice University, Houston, Texas, USA.
- ❑ Dr Nikos Hadjichristidis, Ibn Alhaytham Distinguished Professor, Physical Sciences and Engineering Division, KAUST, KSA.
- ❑ Dr Nikhil Tambe, CEO, Energy Consortium - IIT Madras, Chennai.
- ❑ Dr Shridhar Narayanan, CEO, Foundation for Neglected Disease Research, CSO, Peptris Technologies, Co-inventor Enmetazobactam, Bengaluru.
- ❑ Dr Jonathan Pillai, Managing Director, MedTech Entrepreneur, Premom Health India, Bengaluru.
- ❑ Dr Himanshu Goyal, Assistant Professor, Department of Chemical Engineering, IIT Madras, Chennai.
- ❑ Dr Harini Nagendra, Director of Research Centre, and Director, School of Climate Change and Sustainability, Azim Premji University, Bengaluru.
- ❑ Mr Elango M. S., Associate Vice President, Biocon Biologics.
- ❑ Dr Sweta Raghavan, Head of Innovation, Strategy & Government Affairs (India & South Asia), RSC.
- ❑ Prof. Tejraj Aminabhavi, Director of Research Centre for Energy and Environment, KLE Technological University, Hubballi.
- ❑ Dr Nagaraj Shetti, School of Advanced Sciences, KLE Technological University, Hubballi.
- ❑ Dr Ashish K. Satpati, Head, EMS, Analytical Chemistry Division, BARC, Mumbai.
- ❑ Prof. Irishi N. Namboothiri, Department of Chemistry, IIT Bombay, Mumbai.
- ❑ Dr Sharon Olivera, Franchise Product Manager, Reference Materials, Merck, Bengaluru.
- ❑ Dr Arun Kumar, Leader, Analytical Science STC-R, SABIC, Riyadh, Saudi Arabia.
- ❑ Mr Rajesh V. N., Leader, Analytical Science, SABIC, Bengaluru.
- ❑ Prof. Ramesh L. Gardas, Department of Chemistry, IIT Madras, Chennai.
- ❑ Prof. Eun-Bum Cho, Director & Head, Applied Chemistry, SeoulTech, Seoul, South Korea.
- ❑ Dr Aby Paul, Principal, Chaldean Syrian HSS, Kerala.
- ❑ Dr Anex Jose, Molecular Array PDF, Berkeley Lab, California, US.
- ❑ Dr Shiv Prakash Singh, Principal Investigator, HGI Institute, LAM, Liaoning, China.
- ❑ Dr Ganesh Sambasivam, Co-founder, Executive Director and the Chief Scientific Officer, Anthem Biosciences Ltd., Bengaluru.
- ❑ Dr Venugopal B. R., Apple India Pvt Ltd, Product Integration, Materials Science, Analytical Characterization, Bengaluru.

Resource Persons for Conference



Prof. John C. Warner
CEO and CTO
Technology Greenhouse, USA



Dr Ashok Menon
Chief Sustainability Officer
Indorama Corporation,
New Delhi



Dr Nikhil Tambe
CEO, Energy Consortium
IIT Madras, Chennai



Dr Debasis Das
Associate Professor
Indian Institute of Science (IISc),
Bengaluru, India



Prof. Shrinivas D. Desai
Professor
School of Computer Science & Engineering
KLE Technological University, Hubballi



Dr Jonathan Pillai
Managing Director
Premom Health India



Dr Robin Augustine
Research Associate
Qatar University, Doha



Dr Markus Obkircher
Director, Biochemistry R&D
Merck Life Science, Bengaluru



Dr Shridhar Narayanan
Founder Director, Chairman and
Chief Executive Officer of
Foundation for Neglected
Disease Research (FNDR)



Dr Himanshu Goyal
Assistant Professor
IIT Madras, Chennai



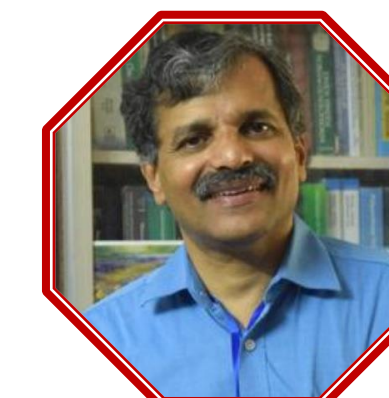
Mr Prasad Bidwe
Senior Sales and Product Specialist –
Asia Pacific Region
Merck Life Sciences, Bengaluru



Dr Nikhil Verghese
Adjunct Professor
Rice University, USA



Prof. Dipankar Das Sarma
Honorary Professor and
CSIR Bhatnagar Fellow,
Indian Institute of Science,
Bengaluru



Prof. Dr Sabu Thomas
Ph.D., FRSC (UK), D.Sc. (UL, France), D.Sc.
(UBS, France) Former Vice-Chancellor,
Mahatma Gandhi University, Kerala, India



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University, Turkey



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Azim Premji University, Bengaluru



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Assistant Professor, Department of
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Technology, Mumbai



Prof. Nikos Hadjichristidis
Ibn Al-Haytham Distinguished
Professor of Chemistry
King Abdullah University of Science
and Technology (KAUST), KSA



Dr Atanu Sengupta
Senior Director
New Technology and Collaborations,
Dr. Reddy's Laboratories, India



Dr M. Vijay Kumar
Biodiversity Specialist
Toyota Kirloskar Motor, India