

P P SAVANI UNIVERSITY

ICEM CHEMIS 2025

Integrated Computational and Experimental Methods for
Innovation in Chemistry and Interdisciplinary Sciences

SCHOOL OF SCIENCES



PPSU
P P SAVANI UNIVERSITY

NAAC
ACCREDITED



ICEMI-CHEMIS 2025

INTERNATIONAL
SYMPOSIUM ON
**INTEGRATED
COMPUTATIONAL AND
EXPERIMENTAL METHODS
FOR INNOVATION IN
CHEMISTRY AND
INTERDISCIPLINARY
SCIENCES**

DATE: 3rd - 4th SEPTEMBER, 2025

VENUE: P P SAVANI UNIVERSITY, SURAT, GUJARAT

MODE: HYBRID (ONLINE & OFFLINE)

Breaking Barriers:
Bridging Borders
Between Sciences

SPONSORED BY



ORGANIZED BY

School of
Sciences

ABOUT P P SAVANI UNIVERSITY

P P Savani University, a NAAC A+ accredited institution, located in Gujarat, India, is a leading institution committed to excellence in education, research, and innovation. With a strong focus on nurturing globally competent professionals, PPSU offers multidisciplinary programs that integrate academic depth with industry relevance. The university promotes a vibrant culture of inquiry, creativity, and collaboration—supported by modern infrastructure, a distinguished faculty, and global partnerships. PPSU is dedicated to advancing knowledge while upholding the fundamental values of sustainability, inclusivity, and societal responsibility among others.

ABOUT SCHOOL OF SCIENCES

The School of Sciences at PPSU is a center of academic and research excellence, offering cutting-edge programs in Chemistry, Life Sciences, and Environmental Sciences. With a student-centric and research-oriented approach, the School emphasizes interdisciplinary learning and innovation. Faculty members are actively involved in nationally and internationally relevant research projects, combining experimental and computational tools to address scientific and societal challenges. Through strategic collaborations, conferences, and industry engagement, the school is shaping the next generation of scientific leaders.

PURPOSE OF THE EVENT

The International Symposium on Integrated Computational and Experimental Methods for Innovation in Chemistry and Interdisciplinary Sciences (ICEMI-CHEMIS 2025) aims to promote the convergence of computational or theoretical modeling and experimental techniques in chemistry and related fields. The event will provide a global platform for sharing recent advances, fostering collaboration, and encouraging innovation at the interface of chemistry, biology, materials science, and data-driven research.





OBJECTIVES

To facilitate global collaboration and knowledge exchange across experimental and computational sciences via a hybrid platform.

To promote interdisciplinary integration of computational modeling and experimental research for addressing scientific and industrial challenges.

To highlight recent advancements in chemical sciences and interdisciplinary fields such as molecular modeling, green chemistry, catalysis, data-driven research, and environmental sustainability.

To support capacity building for young researchers and students through technical sessions, poster presentations, and interactive discussions.

SCIENTIFIC SCOPE

Theoretical and Computational Chemistry

Quantum Chemistry and Chemical Physics

Computational Toxicology and Drug Discovery

Medicinal and Bioinorganic Chemistry

Green and Sustainable Chemistry

Microbial Chemistry and Metabolic Engineering

Bioprocess Engineering and Industrial Biotechnology

Catalysis and Biocatalysis

Chemoinformatics and Machine Learning

Materials Chemistry and Nanotechnology

Molecular Biotechnology and Genetic Engineering

Inorganic and Organometallic Chemistry

Organic and Biophysical Chemistry

Analytical Chemistry and Spectroscopy

Polymers and Soft Matter

Energy Materials and Devices

Biopharmaceuticals and Molecular Modeling

Environmental Chemistry

DISTINGUISHED SPEAKERS



PROF. KUNAL ROY
Professor & Former Head
Department of Pharmaceutical
Technology
Jadavpur University, Kolkata,
India



**PROF. TANMOY
CHAKRABORTY**
Registrar
SVKM's Narsee Monjee Institute of
Management Studies (NMIMS),
Mumbai, India



**PROF. PONNADURAI
RAMASAMI**
Department of Chemistry
Faculty of Science
University of Mauritius, Mauritius



DR. SANDEEP CHAUDHARY
Associate Professor & Head, and
Former Dean
Department of Medicinal Chemistry
National Institute of Pharmaceutical
Education and Research, Raebareli
(NIPER-R), Lucknow, India



DR. ITI GUPTA
Professor
Department of Chemistry
Indian Institute of Technology
Gandhinagar (IIT-GN),
Gandhinagar, India



DR. JOHN THOMAS
Associate Professor
Centre for NanoBiotechnology
Vellore Institute of Technology
(VIT), Vellore, India



**PROF. IGOR
KUZMANOVSKI**
Professor
Institute of Chemistry
Faculty of Natural Sciences and
Mathematics, Ss Cyril and Methodius
University of Skopje, Skopje, North
Macedonia



**DR. CHINTAN
DHOLAKIA**
General Manager - ADL
Zydus Lifesciences, Vadodara,
India

SESSIONS

KEYNOTE LECTURES | INVITED TALKS | ORAL & POSTER PRESENTATIONS

HIGHLIGHTS

Eminent speakers from academia, industry, and research organizations

International and interdisciplinary expert sessions

Technical sessions bridging experimental and computational areas

Hybrid mode of participation

Oral and Poster presentations

Opportunities for collaboration and knowledge exchange

Affordable registration with wide reach and accessibility

Certificate of participation for all registered attendees

Recognition for best oral and poster presentation in student/researcher categories

WHO SHOULD ATTEND

- UG/PG Students
- Faculty & Researchers
- PhD Scholars
- Industry Professionals

CALL FOR ABSTRACTS

We invite original research abstracts for poster presentations from students, research scholars, academicians, and industry professionals across chemistry and allied interdisciplinary domains.

IMPORTANT DATES

ABSTRACT SUBMISSION DEADLINE:

23rd August 2025

REGISTRATION DEADLINE:

25th August 2025

Webpage Link / QR Code:

[International Symposium ICEMI-CHEMIS 2025](#)



SCAN FOR WEBSITE

Contact E-mails:

sos.events@ppsua.ac.in

hiteshi.tandon@ppsua.ac.in

Conference Proceedings:

Registered participants with accepted abstracts may be invited to submit full-length papers for inclusion in an indexed journal, edited book, or conference proceedings.

REGISTRATION DETAILS

Registration Category	Online		Offline	
	Fee	Payment Link	Fee	Payment Link
Student	250 INR	Pay Here	750 INR	Pay Here
Research Scholar	400 INR	Pay Here	1000 INR	Pay Here
Academician / Researcher	500 INR	Pay Here	1000 INR	Pay Here
Industry Personnel	700 INR	Pay Here	1000 INR	Pay Here
Accompany	NA	NA	1000 INR	Pay Here
International Participant	30 USD	Pay Here	100 USD	Pay Here

**TITLE
SPONSOR**



Note:

Only those participants who have completed payment and submitted registration form will be considered for the event.

Registration Form Link:

[Registration Form](#)

ORGANIZING TEAM - ICEMI-CHEMIS 2025

CHIEF PATRON:

DR. PARAG SANGHANI

Provost
PPSU

PATRON:

DR. ANISH KUMAR SHARMA

Principal
School of Sciences, PPSU

CONVENOR:

DR. HITESHI TANDON

Assistant Professor (Chemistry)
School of Sciences, PPSU

COORDINATORS:

DR. HARSH MEHTA

Assistant Professor (Chemistry)
School of Sciences, PPSU

DR. SABIR KHAN PATHAN

Assistant Professor (Chemistry)
School of Sciences, PPSU

DR. CHETANA DEOGHARE

Assistant Professor (Chemistry)
School of Sciences, PPSU

FACULTY ORGANIZING COMMITTEE:

DR. SNEEHA VEERAKUMAR

Assistant Professor (Microbiology)
School of Sciences, PPSU

DR. PRASHANT SATHVARA

Assistant Professor (Environmental Science)
School of Sciences, PPSU

MS. AMI DESHMUKH

Assistant Professor (Physics)
School of Sciences, PPSU

MS. CECILEYA JASMIN

Assistant Professor (PGDMLT)
School of Sciences, PPSU



UNIVERSITY CAMPUS

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INTERNATIONAL SYMPOSIUM — ICEMI CHEMIS 2025

September 3-4, 2025

Organized by School of Sciences
at
P P Savani University, Surat, India

SCIENTIFIC PROGRAMME

Day 1: September 3, 2025 (Wednesday)	
Time	Programme
08:30 – 09:30	Registration and Breakfast
09:30 – 09:50	Inaugural Session <ul style="list-style-type: none"> ○ Deep Pragatya, Saraswati Vandana and Felicitation ○ Welcome Address – Dr. Hiteshi Tandon, Convener ○ Opening Remarks – Dr. Parag Sanghani, Chief Patron ○ Principal's Address – Dr. Anish Kumar Sharma, Patron ○ Guest Remarks – Dr. Ajay Shrivastava, Sun Pharmaceutical Industries Ltd., Chief Guest
09:50 – 10:35	Keynote Lecture I Dr. Sandeep Chaudhary Head and Associate Professor, Department of Medicinal Chemistry, Former Dean, National Institute of Pharmaceutical Education and Research (NIPER), Raebareli Exploration of Natural-Product-Inspired Bioactive Alkaloids/Terpenes: Synthetic Strategies and Applications
10:35 – 10:45	Tea Break
10:45 – 11:30	Invited Lecture I Dr. John Thomas Associate Professor, Centre for Nanobiotechnology, Vellore Institute of Technology (VIT), Vellore Development of bioactive feed using marine actinomycetes for treating bacterial infections in aquaculture: An <i>in silico</i> and <i>in vitro</i> approach
11:30 – 12:15	Oral/Poster Presentations – Session I
12:15 – 13:00	Invited Lecture II Prof. Tanmoy Chakraborty Registrar and Professor, SVKM's Narsee Monjee Institute of Management Studies (NMIMS), Mumbai Study of Transition Metals-doped MoTe ₂ Nanomaterials: A Density Functional Theory Analysis
13:00 – 14:00	Lunch Break
14:00 – 14:45	Invited Lecture III Dr. Chintan Dholakia General Manager, ADL, Zydus Lifesciences Limited, Vadodara Charged Aerosol Detector (CAD): Innovation in Next-Generation Chromatographic Detection
14:45 – 15:45	Oral/Poster Presentations – Session II
15:45 – 16:30	Photo Session, High Tea and Networking

Day 2: September 4, 2025 (Thursday)		
Time	Programme	
9:00 – 09:30	Breakfast	
09:30 – 10:30	Oral/Poster Presentations – Session III	
10:30 – 11:15	Invited Lecture IV Prof. Iti Gupta Professor, Department of Chemistry, Indian Institute of Technology (IIT), Gandhinagar	Organometallic Complexes of Bipyrrrole Ligand for Photocatalysis Applications
11:15 – 11:30	Tea Break	
11:30 – 12:15	Invited Lecture V Prof. Igor Kuzmanovski, Professor, Institute of Chemistry, Faculty of Natural Sciences and Mathematics, Ss Cyril and Methodius University in Skopje, North Macedonia	Novel Graph Convolutional Descriptors and Their Application
12:15 – 13:00	Invited Lecture VI Prof. Ponnadurai Ramasami Professor, Department of Chemistry, University of Mauritius, Mauritius	A Journey to the House of Electrons
13:00 – 13:30	Oral/Poster Presentations – Session IV	
13:30 – 14:15	Lunch Break	
14:15 – 15:00	Keynote Lecture II Prof. Kunal Roy Professor & Former Head, Department of Pharmaceutical Technology, Jadavpur University, Kolkata	An improved q-RASAR modeling framework for environmental toxicity endpoints
15:00 – 15:15	Best Oral/Poster Presentation Award Distribution Ceremony	
15:15 – 15:45	Valedictory Session <ul style="list-style-type: none"> ○ Concluding Remarks – Dr. Hiteshi Tandon, Convener ○ Valedictory Address – Dr. Satish Biradar, Registrar ○ Vote of Thanks – Dr. Harsh Mehta, Coordinator 	

*All times are in Indian Standard Time (IST) – UTC + 05:30