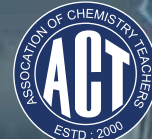




SOMAIYA
VIDYAVIHAR UNIVERSITY



International Conference on

New Dimensions in Chemical Sciences and Education

11th to 13th September 2025

Organized by

**Somaiya Vidyavihar University, Mumbai
&
Association of Chemistry Teachers, Mumbai**

Sponsored and Supported by



Association of Chemistry Teachers (ACT)

The Association of Chemistry Teachers was formed in 2000 thanks to the initiative of Homi Bhabha Centre for Science Education (TIFR), Mumbai to serve as an apex national registered organization of Chemistry educators of India. The Association brings together on a common platform, college and university teachers, higher secondary school teachers, scientists and researchers from industry to organize subject related activities. Since its inception, the Association has been striving tirelessly to promote excellence in Chemistry Education and Research through its manifold activities-national and international conferences, training workshops, research conventions, Concept Test in Chemistry for BSc students, ACT newsletter, celebration of National Chemistry Day and National Science Day and organization of Chemistry competitions for school and college students. The Association plays an important role in the National and International Chemistry Olympiad programmes and the IUPAC Global Women's Breakfast. Every year the Association honours the distinguished Chemistry teachers of the country by presenting ACT awards and certificates.

The Association forges a synergistic relationship between academia, industry and research centres and seeks collaboration with International Science Teacher organizations for joint programmes. The Association has a large network of active Life and Institutional members spread all over the country. Eminent scientists and academicians of India and abroad are Honorary members of ACT.

Website : www.associationofchemistryteachers.org

Somaiya Vidyavihar University

Somaiya Vidyavihar University (Accredited with A Grade by NAAC), established in 2019, is a leading University in India, built upon the 84-year legacy of the Somaiya Vidyavihar. Guided by the motto ज्ञानदेव तु कैवल्यम् ('Knowledge Alone Liberates'), the university emphasises academic excellence, holistic development, and character-building. Offering a diverse range of undergraduate, postgraduate, and doctoral programs, Somaiya Vidyavihar University integrates industry collaborations, interdisciplinary learning, and research-driven education. The university's strategic location in Mumbai provides students with access to sectors such as Management, Engineering & Technology, Education, Dharma Studies, Commerce & Business Studies, Basic & Applied Sciences, Sports, Civilisation Studies, Music & Performing Arts, Art, Film, Humanities & Social Sciences, Design and Library & Information Science. The university promotes innovation through a Startup Incubator. It also emphasises experiential learning with and real-world projects. With a strong commitment to sustainability, research, and the development of well-rounded leaders, Somaiya Vidyavihar University continues to play a pivotal role in shaping India's educational landscape.

About the Conference

The International Conference on "New Dimensions in Chemical Sciences and Education" is organized to celebrate the Silver Jubilee of the Association of Chemistry Teachers (2000-2025). The conference aims to bring together teachers, scientists, academicians and industry professionals to discuss the latest trends in the Chemical Sciences and Education and to exchange ideas. Eminent experts from India and abroad will deliver invited lectures on the frontier areas of Chemistry including the pivotal role of Chemistry in sustainable development. Theme-based oral and poster presentations will be an integral part of the three - day event. The highlights of the conference will be sessions on innovative Chemistry experimentation and new approaches to Chemistry teaching methodology.

Themes of the Conference

- Drug design, Medicinal and Pharmaceutical Chemistry
- Green and Sustainable Chemistry
- Computational Chemistry
- Advanced functional materials
- Polymer Chemistry
- Energy generation and Storage, Renewable sources of energy
- Novel catalysts, Biocatalysts
- Supramolecular Chemistry
- Bio-inorganic Chemistry, Biochemistry
- Click Chemistry
- Nuclear and Radiation Chemistry
- Artificial Intelligence driven Chemistry
- Reaction Mechanism and Dynamics
- Waste to Energy
- ICT tools in Chemistry
- Entrepreneurship in Chemistry
- Indian Knowledge Systems with reference to Chemistry
- Nano chemistry
- Synthetic Organic Chemistry
- Analytical techniques
- Photochemistry
- Colour Chemistry
- Synthetic enzymes and antibodies
- Ethics in Research and Publishing

Submission of Abstracts

Abstracts of research papers in the areas of the conference themes and related areas are invited for oral/poster presentation.

Title of the Oral Presentation / Poster : Times New Roman 14pt
Author Name¹, Author Name² : Times New Roman 12pt
¹Name of the institute, Address : Times New Roman 12pt
¹Name of the institute, Address : Times New Roman 12pt
Email: author1@xyz.com (Author 1 Initials)
author2@abc.com (Author 1 Initials) : Times New Roman 11pt, Italics

Abstract : Times New Roman 11 pt, Bold
Abstract should not more than 300 words. : Times New Roman 11 pt

References (up to 4): American Chemical Society (ACS) style

- Tan, G. Y.; Das, M.; Keum, H.; Bellotti, P.; Daniliuc, C.; Glorius, F. Photochemical single-step synthesis of β -amino acid derivatives from alkenes and (hetero)arenes. *Nature Chemistry* 2022, 14 (10), 1174–1184. DOI: [10.1038/s41557-022-01008-w](https://doi.org/10.1038/s41557-022-01008-w)
- Westermayr, J.; Gastegger, M.; Schütt, K. T.; Maurer, R. J. Perspective on integrating machine learning into computational chemistry and materials science. *Journal of Chemical Physics* 2021, 154 (23), 230903. DOI: [10.1063/5.0047760](https://doi.org/10.1063/5.0047760)
- Tanemura, K. A.; Sierra-Costa, D.; Merz, K. M., Jr. Python for Chemists; American Chemical Society, 2022. DOI: [10.1021/acsinfocus.7e5030](https://doi.org/10.1021/acsinfocus.7e5030)
- Grossfield, A. WHAM: The Weighted Histogram Analysis Method, Ver. 2.0.11. http://membrane.urmc.rochester.edu/wordpress/?page_id=126

Abstracts should be submitted through email to act.svu.intconf.sept2025@gmail.com by August 15, 2025.

The acceptance of the abstracts will be communicated by August 20, 2025.

Participants will be given 8 minutes for oral presentation followed by 2 minutes of interaction.

The size of posters should be 3' (width) x 4' (length).

Accepted abstracts will be published in the Proceedings of the Conference, and Certificate of Presentation will be issued.

Registration Fees

Academics and Scientists

Rs 2000 /-

Non- ACT members

Rs 3200 /-

(includes discounted ACT
Life Membership fees of Rs 1200)

Accompanying Persons for Serial Numbers 1 and 2

Rs 1600 /-

Research Scholars

Rs 1600 /-

PG Students

Rs 500 /-

Industry Delegates

Rs 4000 /-



Scan and Register

Important Dates

Last date of
Registration

15th August 2025

Last date to
Submit Abstracts

15th August 2025

Last date of
Accommodation Request

15th August 2025

Date of
Abstract Acceptance Notification

20th August 2025

Details of Registration fees, mode of payment and abstract submission will be notified in the second circular which will be released shortly

Accommodation

Mr Ajit R Ghaware

Guest Room Relationship Officer
+91 83696 89608
guest.smvidyavihar@somaiya.edu

Bank details for hostel accommodation

Account Name:
Somaiya School of Basic and Applied Science
Bank Name: Kotak Mahindra Bank Ltd.
Account Number: 85498 26242
IFSC Code: KKBK0000658

Invited Speakers

<i>Prof Dr John Warner</i>	Co-author of 12 Principles of Green Chemistry, President and Chief Technology Officer, Technology Greenhouse, USA Distinguished Professor of Green Chemistry, Monash University, Australia
<i>Prof Dr Suresh Valiyaveethil</i>	Materials Chemistry, Department of Chemistry, National University of Chemistry, Singapore
<i>Prof Ponnadurai Ramasami</i>	Computational Chemistry Group, Department of Chemistry, University of Mauritius, Mauritius
<i>PadmaShri Prof Dr G D Yadav</i>	National Science Chair, SERB, New Delhi Emeritus Prof of Eminence and former Vice-Chancellor, Institute of Chemical Technology, Mumbai President, Indian Chemical Society
<i>Prof Dr N Sathyamurthy</i>	Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru Founder Director, IISER-Mohali
<i>Prof Dr Shridhar R Gadre</i>	INSA Senior Scientist, Departments of Chemistry and Scientific Computing, Modeling and Simulation, Savitribai Phule Pune University, Pune
<i>Prof Dr Uday Maitra</i>	Honorary Professor, Department of Organic Chemistry, Indian Institute of Science, Bengaluru President, Chemical Research Society of India
<i>Dr Bipul Saha</i>	Member, Executive Board, IUPAC Advisor, Sustainability Program, Indira University, Pune & Former Director, R & D, NACL Industries
<i>PadmaShri Dr S Sivaram</i>	Honorary Professor Emeritus and INSA Emeritus Scientist, IISER- Pune Honorary Professor, IISER-Kolkata Former Director, CSIR-National Chemical Laboratory, Pune
<i>Dr A K Tyagi</i>	Dean and Senior Professor, Homi Bhabha National Institute, BARC, Mumbai
<i>Prof Dr Anil Kumar Singh</i>	Former Head, Department of Chemistry, IIT-Bombay, Mumbai Director (Independent), Rashtriya Chemicals and Fertilizers Ltd, Mumbai
<i>Prof Dr P Selvam</i>	Head, National Centre for Catalysis Research, Department of Chemistry, IIT-Madras, Chennai
<i>Dr Ganesh Pawar</i>	Principal, N L Dalmia College, Mira Road, Thane
<i>Dr Satish Pai</i>	President-Operate, Deloitte-South Asia, Mumbai
<i>Prof Dr Mobin Shaikh</i>	Department of Chemistry, IIT-Indore, Indore
<i>Dr S Narasimhan</i>	Chairman, Asthagiri Herbal Research Foundation, Chennai
<i>Prof Dr Hemant Joglekar</i>	Professor of Entrepreneurship, Institute of Chemical Technology, Mumbai

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Department of Polymer Science

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PadmaShri

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Former Director, Chemistry and Isotope Group, BARC, Mumbai,

Chairman, Academic Board, UM-DAE Centre for Excellence in

Basic Sciences, University of Mumbai, Mumbai

PadmaBhushan

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Honourable Chancellor, Institute of Chemical Technology, Mumbai

PadmaShri

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Bhatnagar Fellow, National Science Chair, SERB, New Delhi

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University of Mauritius, Mauritius

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Molecular Biosciences, University of Queensland, Brisbane, Australia

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Founder Director, IISER-Mohali

Former Institute Chair Professor, IIT-Kanpur,

Founder President, Association of Chemistry Teachers

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Bhatnagar Awardee,

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