

HIGHLIGHTS

- Panel Discussion on The Stockholm Declaration on Chemistry for Future
- Expert Lectures
- Poster Presentation
- Hands-on Chemical Education
- The ACT Awards 2025 and Life Time Achievement Award
- International Chemistry Olympiad Workshop by Prof. Amrit Mitra

Prof. Amrit Mitra who has successfully led the Indian contingent to the International Chemistry Olympiad will conduct workshop for school students. The International Olympiad movement is aimed at bringing the secondary and higher secondary students of the world together in a friendly competition of the highest level. The Olympiads provide a stimulus to begin a career in science, to undertake a lifelong journey into the realms of exciting intellectual challenges form the seeds of scientific collaboration later in life. Much like the Olympics in sports, the Olympiads are a celebration of the very best in school level science. The Homi Bhabha Center for Science Education is the nodal centre of the country for this programme. The stage one of the chemistry Olympiad is handled by ACT. Student & teacher of science, are invited to explore the various dimensions of the olympiad program, dimensions that are not often encountered in regular education.



CHIEF PATRON :

Prof. Arpan Bhardwaj, Vice-Chancellor, Vikram University, Ujjain (M.P.)

Prof. D.V. Prabhu, President, ACT, Wilson College, Mumbai

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International Conference on Breakthrough Innovations in Chemical & Sustainable Sciences : Research and Education (BICSS-2025)

&

National Convention of Chemistry Teachers (NCCT-2025)

November 13th, 14th and 15th 2025



Organized by:
School of Studies in Chemistry and Biochemistry,
Vikram University, Ujjain (M.P.)

&


*Association of Chemistry Teachers (ACT), India

*Mailing Address: Homi Bhabha Center for Science Education, TIFR, Mumbai

Website : www.vikramuniv.ac.in
www.associationofchemistryteachers.org

ABOUT THE CONFERENCE	
BICSS-2025 is focused to provide a platform of discussion to fostering deliberations, collaborations and innovations, among scientists, researchers and educators of chemical and sustainable sciences from India and abroad. The conference aims to catalyse research, educational dialogue, and policy frameworks that support the 2030 Agenda for Sustainable Development and the Paris Agreement on climate change during this critical decade of action.	
Strong emphasis will be on sustainability, green chemistry principles, circular economy practices, carbon capture technologies and sustainable materials. It also aims to highlight the pivotal role of education in disseminating these innovations and embedding sustainability into curricula to empower future generations of chemists, scientists, and educators.	
The conference covers a wide range of multidisciplinary topics, such as Green and Renewable Energy, Coordination and Supramolecular Chemistry, Polymer and Material Sciences, Nanomaterials, Nuclear Chemistry, Circular and Sustainable Chemistry, Photocatalysis, Directed Evolution of Enzymes, AI in Chemistry, Sensors, RNA Vaccines, Aerogels, Liquid Solar Fuels, Depolymerisation, Click Chemistry, Chemical Education, and the Indian Knowledge System.	
ABOUT UJJAIN	
Stepping into Ujjain feels like walking through a living tapestry of history, spirituality, and culture. The city, one of the seven sacred cities of India, is deeply intertwined with ancient traditions and timeless rituals. As we stroll through its narrow lanes, the scent of incense fills the air, mingling with the sounds of temple bells and chanting from the revered Mahakaleshwar Temple, a symbol of the city's spiritual significance. The serene atmosphere is enhanced by the tranquil flow of the Shipra River. Sacred event like Simhastha Mela is held in every twelve years in Ujjain, attracts millions of devotees seeking spiritual purification and blessings. In Ujjain, 'Vedic Clock' positioned on an 85-foot tower within Jantar-Mantar is designed to display time according to the Ancient Indian Traditional Panchang.	
ABOUT VIKRAM UNIVERSITY	
Vikram University, Ujjain is a state university of Madhya Pradesh established under M.P. Vishwavidhyalaya Adhiniyam on March 1, 1957 with its dictum as “Vidhyamratamshnute” (Knowledge is the foundation of immortality) and well-defined objectives. Vikram University is an active member of the association of Indian Universities and Association of Commonwealth Universities. The university is a residential cum affiliation type institution, having 3000 plus students enrolled on campus. The university covers almost the total spectrum of higher education (traditional as well as modern streams) through its thirty-one School of Studies (University Teaching Departments) with fourteen research centres and more than 188 affiliated colleges offering various programmes in the areas of Physical Sciences, Life Sciences, Home Sciences, Social Sciences, Language Arts, Commerce, Management, Information Technology, Law, Agriculture Sciences, Forensic Science, Mass Communication and Natural Sciences etc.	
ACT life member, our alumnus and executive council member Prof. Arpan Bhardwaj is the Kulguru (Vice-Chancellor) of this university.	
ABOUT SCHOOL OF STUDIES IN CHEMISTRY & BIOCHEMISTRY	
It is one of the earliest departments established by the Vikram University, Ujjan in October 1964. Department of Chemistry, situated in the picturesque surroundings on the University campus, offers programs leading to B.Sc., M.Sc. and Ph.D. programmes. The faculty members are engaged in research in various thrust areas - Organic heterocyclic synthesis, Material science and Nanocatalyst, Natural products, Supramolecular chemistry, Membrane transport, Photochemistry. This has resulted in a large number of publications in national and international refereed journals with good impact factor and citation index.	

Research scholars and faculty members have received Young Scientists Awards from various bodies like MPCST, ISCA, ICC, ICS etc. Many students have qualified NET, GATE and SET .	
ABOUT ACT	
The Association of Chemistry Teachers was launched in 2000 to serve as an apex national body of chemistry educators to promote excellence in chemistry education. The idea of formulating ACT was conceptualised by Homi Bhabha Centre for Science Education (TIFR) Mumbai. The Association brings together on a common platform higher secondary school teachers, college and university teachers, scientists and researchers from industry for organizing various activities. Since its inception, ACT has worked tirelessly to strengthen chemistry education in India and to motivate students to pursue chemistry as a career.	
The ACT awards are given to the outstanding chemistry teachers every year during NCCT. ACT lifetime award will also be given to an esteemed chemistry teacher. ACT has a large network of Life and Institutional members spread across the country. ACT is fortunate to have the guidance of the leading chemical Scientists of the Country including Bharat Ratna Prof. C. N. R. Rao, FRS who are role models for teachers to emulate.	
SUB-THEMES AND SECTIONAL PRESIDENTS	
Section A - Chemical Education and IKS	
Prof. Vijay Pal Singh, Professor of Science Education, NCERT, New Delhi <i>(vpsujjwal@yahoo.com)</i>	
<ul style="list-style-type: none">Education for Sustainable Development.Chemical EducationIndian Knowledge System	
Section B - Sustainable and Circular Chemistry	
Prof. Brijesh Pare, Department of Chemistry, Govt. M. V. M., Ujjain <i>(brijeshpare2009@hotmail.com)</i>	
<ul style="list-style-type: none">Green & Renewable EnergyCircular and Sustainable ChemistryPhotocatalysisAerogelsLiquid Solar FuelsPhotocatalytic Hydrogen	
Section C - Advanced Synthetic Chemistry	
Prof. Raakhi Gupta, IIS University (Deemed University) Jaipur <i>(raakhi.gupta@iisuniv.ac.in)</i>	
<ul style="list-style-type: none">Drug Design, Medicinal & Pharmaceutical ChemistryOrganometallics, Coordination & Supra-molecular ChemistrySynthetic and Heterocyclic ChemistryNatural Product Chemistry & Herbal FormulationsMetal Organic FrameworkArtificial Intelligence in ChemistryClick Chemistry	
Section D - Material Science	
Prof. Wasudeo Gurnule, Formerly Kamala Nehru Mahavidyalaya, Nagpur <i>(wbgurnule@gmail.com)</i>	
<ul style="list-style-type: none">Polymer Science, Material Science & Nano materialsTheoretical & Computational ChemistryNuclear ChemistryReaction Kinetics and CatalysisEnantio-Selective OrganocatalysisFlow ChemistryDirected Evolution of Selective EnzymesReversible-Deactivation of Radical PolymerizationDepolymerisation	

SUBMISSION OF ABSTRACTS	
Active participation in scientific sessions covering the topics of the conference is welcome. It should be typed in MS word using Times New Roman with font size 12. Authors should clearly mention on the top of the abstract the section in which the paper is to be considered. Scientist and researchers are requested to submit soft copy of abstract not more than 200 words to respective sectional presidents on their given email and copy it to bicsschem2025@gmail.com latest by October 15.	
REGISTRATION DETAILS	
Last Date of Abstract Submission	: 15.10.2025
Abstract Acceptance Notification	: 20.10.2025
Last Date of Registration	: 15.10.2025
Late Registration	: 30.10.2025
Payment can be made using NEFT	or
A/c Name : Chemical Association	scanning the
A/c No.: 01450100006563	QR code :
Branch : UCO Bank University Campus, Ujjain	
IFSC: UCBA0000145	
Registration Link :	https://forms.gle/cSRZMX7omzqkBp167
E-mail :	bicsschem2025@gmail.com
ACCOMMODATION & CONTACT	
Accommodation will be provided in hotels nearby Vikram University, Ujjain on payment basis. For information about accommodation and transport, kindly contact the following numbers:	
Dr. Mukesh Vani - 9977077685	Dr. Vijendra Singh - 8602567928
Dr. Praveen Khirwadkar - 8770739880	Mr. Arpit Phulke - 7970051980
CONFERENCE VENUE	
Seminar Hall, School of Engineering and Technology, Vikram University, Ujjain (M.P.) India	
REGISTRATION FEE	
Student	₹ 500
Research Scholar	₹ 1000
Faculty /Scientist	₹ 2000
ACT members	₹ 1800
Late registration fee	₹ 2500
Student /Research Scholar (Abroad)	25 USD
Faculty (abroad)	100 USD
Delegate from Industry	₹ 3000
Foreign Delegates (Late registration)	200 USD
Spot Registration (Academia)	₹ 3000
Spot Registration (Delegate from Industry)	₹ 5000