



**NATIONAL CONVENTION OF CHEMISTRY
TEACHERS OF INDIA
AND
INTERNATIONAL CONFERENCE ON
CHEMISTRY AND CHEMISTRY EDUCATION**
***"Innovations for Sustainable Chemistry:
Challenges & Opportunities"***

October 13-15, 2022

Organized by

Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

(An institutional member (2359) of ACT)

in joint collaboration with

Association of Chemistry Teachers (ACT)

and

Indian Chemical Society, Kolkata

Registration Link-

<https://forms.gle/SPYaHZp5xPDxS7Sb8>

Website- ncct2022.svvv.edu.in

Chief Guest

Padma Vibhushan Prof. Man Mohan Sharma



We at SVVV



VISION

To create an educational environment that engages deep intellectual, moral and spiritual stimulation, thereby nurturing leadership.



MISSION

To pioneer a 'mentoring' based education system with an intellectual, moral and spiritual culture of its own, rooted in Indian ethos and in tune with global vision of times; to inculcate learning through understanding, knowledge enhancement, skill development and positive attitude formation; To encourage innovative thinking with self discipline and social responsibility.



VALUES

Endurance, Excellence, Fairness , Honesty and Transparency.



INDORE

(An emerging educational hub of Central India)



The currently known Indore was established in 810 AD by the King Pal Rajvansh. He built the Indresh Temple. The name of the city has origin in it. Later Indore was known as Malwa. In the year 1766, Khanderao Holkar and his wife Ahilyabai Holkar started ruling the Malwa. At that time, Maheshwar was the capital and Indore was the army camp and a small village. To design the evolving capital of Holkar's in the early 20th century, Sir Patric A Geddes, a globally acclaimed urban planner and educationalist planned the modern Indore.

Indore has earned a great reputation in the field of education not only in the Central India but also in India and abroad. Indore has a large student population and is a big educational centre. Indore hosts both Indian Institute of Management (Established in 1996) and Indian Institute of Technology (Established in 2009). IIT has ranked 12 under engineering category and IIM Indore ranked 6 under management category in the National Institute Ranking Framework.

The city has been awarded with the titles of cleanest city of India five times consecutively. It is a city which is in proximity with two Jyotirlingas- Baba Mahakaleshwar in Ujjain (51 Km) and Baba Omkareshwar in Mandhata, District Khandwa (72 Km). Another holy place, Maheshwar situated on the banks of river Narmada, has religious and cultural importance. Indore is well connected through road, air and railways to all the major cities of India.



Rajwada



Maheshwar Fort



Mahakaleshwar Jyotirlinga

About Shri Vaishnav Trust



The foundation stone for Shri Vaishnav Group of Institutions was laid in the year 1884 by compasisonate Cloth Merchanths of Vaishnav cult of Indore, which was later reconstituted as Shri Vaishnav Sahayak Kapda Market Committee in the year 1934. Shri Vaishnav Vidyapeeth Trust believes in taking the Nation forward by improving the quality of life of its citizens by continuously working in the sphere of education, health and environment. It has been established to promote education and research in varioius disciplines through academic institutions for the benefit of all the sections of the society, but not with the motive of profit. Under the guidance of Shri Vaishnav Sahayak Kapda Market, Shri Vaishnav Shaikshanik evm Parmarthik Nyas was established in the year 1981. Since then, Nyas has been working relentlessly for the upliftment of the society and country as whole by providing better technical and professional education, health facilities, schools and other social services.

About Shri Vaishnav Vidyapeeth Vishwavidyalaya

Shri Vaishnav Vidyapeeth Vishwavidyalaya (SVVV), a private university in the state of Madhya Pradesh, INDIA, was established in 2015. Although a young university, it belongs to a group of other colleges, schools and educational institutes managed under the benign of leadership of the 138-years old Shri Vaishnav Sahayak Kapda Market Committee. It has over 7,000 students in graduate, post-graduate, vocational and doctoral programs in architecture, engineering, management, social science, science and technology in five campuses and 15 institutional disciplines in Indore, INDIA. In engineering, its active research areas include polymer chemistry, green chemistry, photo biology, forensic science and biology, modern mathematics, plasma research, drug design magneto-biology and e-waste management. In management and humanities, its current research covers branding, workplace, happiness, learned optimism, managerial effectiveness, English Literature, psychology, journalism and mass communication. Electronic devices for braille reading, smart dustbins and magneto-priming seeds will be some of its forthcoming innovations. In engineering, it is exploring new techniques in mechatronics, automobiles and railways.

The university is offering Undergraduate, Postgraduate, Dual Degree and Doctoral programs in various disciplines through the following constituent institutions:



- Shri Vaishnav Institute of Technology and Science
- Shri Vaishnav Institute of Information Technology
- Shri Vaishnav Institute of Textile Technology
- Shri Vaishnav Institute of Forensic Science
- Shri Vaishnav Institute of Architecture
- Shri Vaishnav School of Management
- Shri Vaishnav Institute of Journalism and Mass Communication
- Shri Vaishnav Institute of Science
- Shri Vaishnav Institute of Computer Applications
- Shri Vaishnav Institute of Social Sciences, Humanities and Arts
- Shri Vaishnav Institute of Fine Arts
- Shri Vaishnav Institute of Commerce
- Shri Vaishnav Institute of Agriculture
- Shri Vaishnav Institute of Home Science
- Shri Vaishnav Institute of Professional Studies
- Shri Vaishnav School of Law
- Faculty of Doctoral Studies and Research

Besides these Institutions, the University has established following Centres:

- *Centre of Excellence in Plasma Research*
- *Centre of Excellence in Happiness Studies*
- *Centre of Vocational Studies*
- *Centre of Excellence in Sustainable Development*
- *Centre of Excellence in Simulation and Gaming*



About the Conference

The primary objective of the **National Convention of Chemistry Teachers (NCCT – 2022)** and **"International Conference on Chemistry and Chemistry Education"** on theme **"Innovation for Sustainable Chemistry: Challenges & Opportunities"** is to update the Scientific and Academic communities with the current advancement in different areas of Chemistry. It will provide a platform to the Scientists, Academicians, Industrialists and Students from various fields in Chemistry to present their original research work and share their ideas. It will also provide scholars, and practitioners to build a network of like-minded individuals across the globe. A galaxy of world-renowned personalities as resource persons are going to deliver talks on various relevant topics.

Apart from all this, ACT Life Time Achievement Award will be presented to a distinguished superattenuated chemistry teachers of Central Zone. Followed by this NCCT Award-giving ceremony will also be held for the best teachers in different categories. As usual, theme-based oral presentations, poster sessions, ACT– Executive Council Meeting and ACT – Annual General Meeting will be held during the three day event. During the conference, deliberations will help teachers improve their teaching skills and use the latest teaching techniques being practiced by their fellow colleagues.

Theme

"Innovation for Sustainable Chemistry: Challenges & Opportunities"

Sub-themes

Synthetic and Natural Product Chemistry, Medicinal Chemistry, Applied and Physical Chemistry, Green Chemistry, Biochemistry, Biomaterials, Supramolecular Chemistry, Nanotechnology and Nanoscience, Material Science, Engineering Materials, Synthetic Catalyst, Polymer Chemistry, Environmental Science, Organometallics, Coordination Chemistry, Drug and Gene Delivery, Computational Chemistry.



Important Dates

Last Date for Abstract & Poster Submission:	10 August, 2022
Acceptance of Abstract & Poster:	15 August, 2022
Last Date of Registration for paper presentation:	31 August, 2022

- Participants will be given 6 minutes for the presentation.
- A Certificate of Presentation will be issued to the participants who present the paper.
- A Certificate of Participation will be issued to the participant who attends the Conference.

Registration

Registration can be done through the conference registration link:

<https://forms.gle/SPYaHZp5xPDxS7Sb8>

Abstract / Paper should be sent to:

ncct_2022@svvv.edu.in

For any queries regarding registration contact to

Mrs. Poonam Yadav - 9115934266

The Registration Fee for delegates will be **Rs. 2000/- (covering food, local hospitality and conference kit (Excluding Accommodation))**

For accompanying per person, registration fee is **Rs. 1800/- which includes food and local hospitality (Excluding Accommodation)**

Accommodation

Subsidized shared accommodation is limited and will only be provided in first come first serve basis.

For any queries regarding accommodation, Contact-

Dr. Suprajnya Thakur - 9926082213



Payment Details

Registration and accomodation fee can be transferred/ deposited online to the account as per the following details.

Account Name	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Bank Name	HDFC Bank Ltd.
Branch Name	Cloth Market, Indore (MP)
Account Name	50100256398597
CMS Code	SH97VSHVVD
IFSC Code	HDFC0000281
Account Type	Saving
Email Id (Payment Proof, Screenshot of the payment to be sent on this mail Id by writing your name in to the subject)	cfo@svvv.edu.in

Association of Chemistry Teachers (ACT)

- The Association of Chemistry Teachers (ACT) was launched in the year 2000 to serve as an apex national body of Chemistry educators to promote excellence in Chemistry education. The idea of formulating ACT was conceptualized by Homi Bhabha Centre for Science Education (HSCBE), TIFR, Mumbai.
- The Association brings together on a common platform for higher secondary school teachers, college / university teachers / professors, scientists and researchers from industry for organizing subject related activities.



- The activities are organized through the six zonal councils with headquarter of Mumbai. The ACT newsletter is available online on the ACT website (<http://www.associationofchemistryteachers.org>). Prof. Brijesh Pare, Madhav Science PG College, Ujjain, is the present President of ACT. Prof. D. V. Prabhu, Wilson College, Mumbai is the Founder General Secretary-ACT since its inception.

Focal Activities of ACT

- The Association plays a pivotal role in organizing the National Standard Examination in Chemistry (NSEC) which is the first stage examination leading to participation in the International Chemistry Olympiad. It is indeed a matter of gratification and pride over the years that India's performance in the International Chemistry Olympiad has been consistently encouraging.
- ACT has been conducting a Concept Test in Chemistry (CONTECH), a competitive test at National level for undergraduate (UG) students in two phases is not only useful in testing conceptual understanding of students in Chemistry but is also helpful in generating students' interest in Chemistry.
- National Convention of Chemistry Teachers (NCCT), a regular 3-day Annual Convention of ACT comprises of award giving ceremony to outstanding teachers in different fields, talks by eminent person, demonstration of new interesting experiments, oral and poster presentation by teacher participants.
- Apart from many National & International conferences, seminars/webinars, regional symposia, workshops are also organised for the benefit of students and research scholars. Celebration of National Chemistry Day and National Science Day are the annual features of ACT.
- ACT has taken initiatives of organizing Research Convention in Chemistry as an annual feature from 2020.
- International webinar/seminar on "Women in Science (WinS)" has also been initiated by ACT from 2020 onwards.
- Web Workshop on "Designing Quality Multiple Choice Questions (DQQ)" for School / College / University teachers is also a new initiative of ACT from 2020 onwards.



- ACT in joint collaboration with Indian National Young Academy of Sciences (INYNAS) has started "Web based Chemistry Orientation Workshop for Competitive Examinations (COWCE) for the benefit of MSc (Chemistry) students from 2021.
- Collaborative work of ACT with Tata Chemicals and Royal Society of Chemistry (London) are highly appreciated.
- The ACT Newsletter includes articles on Chemistry themes and chemistry related activities.

About Indian Chemical Society

The Indian Chemical Society, a premier Scientific Society of India, was founded in 1924, as National Forum for the community of chemists and members of allied disciplines in the country. The driving force behind its establishment was the nationalistic spirit prevailing in India under British rule. J. N. Mukherjee, J.C. Ghosh and S.S. Bhatnagar while carrying out their research work in the University College, London in 1919 for the D.Sc. Degree, took a decision that after coming back to India their endeavor would be to establish a Chemical Society like the Chemical Society of London. Their cherished dream was transformed into a reality with active cooperation of many of the leading personalities in the country, and the Indian Chemical Society was founded on May 9, 1924, as a registered Society, with Sir Prafulla Chandra Ray, the doyen of Indian Chemists, as the first President.

Invitation

The Organizing Committee takes great pleasure in inviting you and your colleagues to participate in the Conference. The conference provides scope to discuss recent developments and future directions in the field of chemistry and interdisciplinary science. We hope that the surroundings of Indore city will make your trip memorable apart from scientific activities.



Call for Papers

Research papers in the areas of conference themes are invited for oral / poster presentation. Abstract should be limited to 500 words and sent to the **publication committee** through email **ncct2022.svvv.edu.in**. The acceptance of the paper will be intimated in due course.

Format of Abstract

Title of abstract (14 font, bold, centered), Presenting author (underlined), other authors, Department, Institute, Address. The one-page abstract should be in MS Word, Times New Roman, 12 font, single space on A4 size paper.

Mode of Presentation

Oral / Poster (1 m x 1m)

Organizing Committee

Chief Patrons	Mr. Purushottam Das Pasari , Chancellor, SVVV, Indore Dr. Upinder Dhar , Vice Chancellor, SVVV, Indore
Patrons	Prof. Brijesh Pare , Madhav Science and PG College, Ujjain, President, ACT (9630578989) Prof. D. V. Prabhu , Wilson College, Mumbai, General Secretary, ACT (9870226899) Dr. Santosh Dhar , Rector and Dean, FDSR, SVVV
General Chair	Dr. K. N. Guruprasad , Dean, Faculty of Science, SVVV



Convener	Dr. Ashutosh Shukla, SVVV
Organizing Secretary	Dr. Navneeta Upadhyay, SVVV
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<p>National Advisory Committee</p>	<p>Prof. S. D. Samant, DAE-MU Centre for Basic Sciences, University of Mumbai, Kalina, Mumbai, Ex- ICT, Mumbai</p> <p>Prof. D. C. Deka, Vice Chancellor, Madhabdev University, Lakhimpur, Assam (Former President-ACT)</p> <p>Prof. Manash Das Gupta, University of Science and Technology, Meghalaya</p> <p>Prof. V. P. Singh, NCERT, New Delhi</p> <p>Prof. Shraddha Sinha, B B D Nath Institute of Tech. and Man, Lucknow</p> <p>Prof. Helen Kavitha, SRM Institute of Science and Technology, Ramapuram, Chennai</p> <p>Prof. Hemant Pande, Formerly Hislop College, Nagpur</p> <p>Prof. Nripendra N Talukdar, Pub Kamrup College, Kamrup, Assam</p>
<p>National Organizing Committee</p>	<p>Dr. Hemant Khanolkar, Fr. Conceicao Rodrigues Engineering College, Mumbai , (ACT- Treasurer)</p> <p>Prof. Raakhi Gupta, IIS University (Deemed University), Jaipur, (Secretary, ACT- Central Zone)</p> <p>Prof. Wasudeo Gurnule, Kamala Nehru Mahavidyalaya, Nagpur Secretary, ACT- West Zone)</p> <p>Dr. Gitimoni Deka, Rangia College, Rangia, Assam , (Secretary, ACT- North East Zone)</p> <p>Dr. Umesh Chandra Jain, Academic Heights Public School, Morena, (Secretary, ACT- North Zone)</p> <p>Dr. Mannam Krishnamurthy, Varsity Education Management Limited, Hyderabad (Secretary, ACT- South Zone)</p> <p>Dr. Amar Srivastav, DAV(PG) College, Kanpur (ACT EC Member- North Zone)</p>

National Organizing
Committee

Dr. Neera Sharma, Hindu College, University of Delhi, Delhi
(ACT EC Member, North Zone)

Prof. M. Swaminathan, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu (ACT EC Member, South Zone)

Dr. P.V.S. Machiraju, Pragati Engineering College (Autonomous), Surampalem Kakinada, Andhra Pradesh (ACT EC Member, South Zone)

Prof. Dheeraj Mandloi, Institute of Engineering and Technology Devi Ahilyabai University, Indore (ACT EC Member, Central Zone)

Prof. Yogendra Kumar Kothari, Nanakheda, Ujjan (ACT EC Member, Central Zone)

Prof. Anand Aswar, Sant Gadge Baba Amravati University, Amravati, (ACT EC Member, West Zone)

Dr. Sudesh Ghoderao, RNC Arts, JDB Commerce and NSL Science College, Nashik, (ACT EC Member, West Zone)

Dr. Dileep Kalita, Tinsukia, Assam (ACT EC Member, North East Zone)

Md. Abdul Halim Shah, Dhanamanjuri University, DM College of Science, Imphal, Manipur (ACT EC Member, North East Zone)

Mr. Amanjeet Singh, GMS, Hoshiarpur, Punjab, (ACT EC Member, North Zone)

Prof. A Sakthivel, Department of Chemistry, Central University of Kerala, Kasaragod District, Kerala. (ACT EC Member, South Zone)

Dr. Anju Das Manikpuri, Azim Premji Institute of Learning and Development, Dhamtari, Raipur, Chhatisgarh (Co-opted Member of EC from Central Zone)

Mrs. Swapna Narvekar, Ex- Homi Bhabha Centre for Science Education, (TIFR), Mumbai (Former Zonal Secretary, West Zone)

Dr. Sanchay Jyoti Bora, Pandu College, Guwahati, Assam
(ACT EC Member, North East Zone)

Prof. Savita Ladage, Dean, Homi Bhabha Centre for Science Education (TIFR), Mumbai



Website Coordinator	Dr. Jigyasu Dubey, SVVV
Workshop by HBCSE, Mumbai	Dr. Asmita Sharma, SVVV (9340733083)

Eminent Speakers

Date	Eminent Speakers
October 13, 2022	Dr. Liza Abraham , Associate Professor of Chemistry, Ambrose University, Calgary, Canada Dr. Nishith Dubey , Professor & Head, DTVE&R NITTTR, Bhopal Prof. S. B. Jonnalagadda , Padma Shri Prof. Ganapati Yadav , President, Indian Chemical Society
October 14, 2022	Prof. Roshan Kumar Yadav , Member, Nepal National Commission for UNESCO, Ministry of Education, Science and Technology, Govt. of Nepal Prof. Krishna Kumar Sharma , Former VC, Maharshi Dayanand Saraswati University, Ajmer Dr. Rajesh Kumar , Associate Prof. IIT, Indore
October 15, 2022	Dr. Piyali Das , Senior Fellow & Area Convenor, DBT-TERI Center of Excellence in Advanced Biofuel & Biocommodities & Advanced Biofuel (ABF) Division (Primary)



Address for Correspondence

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