



SOMAIYA
VIDYAVIHAR

K J Somaiya College of Science & Commerce

Autonomous: Affiliated to University of Mumbai, Re-accredited "A" Grade by NAAC,
FIST "O" level Program - DST Awarded, Star Scheme - DBT Awarded
College with Potential for Excellence - UGC Awarded



Board of Research in Nuclear Sciences (BRNS)

Sponsored

National Conference

On

Chemistry for Sustainable Development (Academia & Industry Perspectives)

On the Occasion of

United Nations International Years of Basic Sciences for Sustainable Development

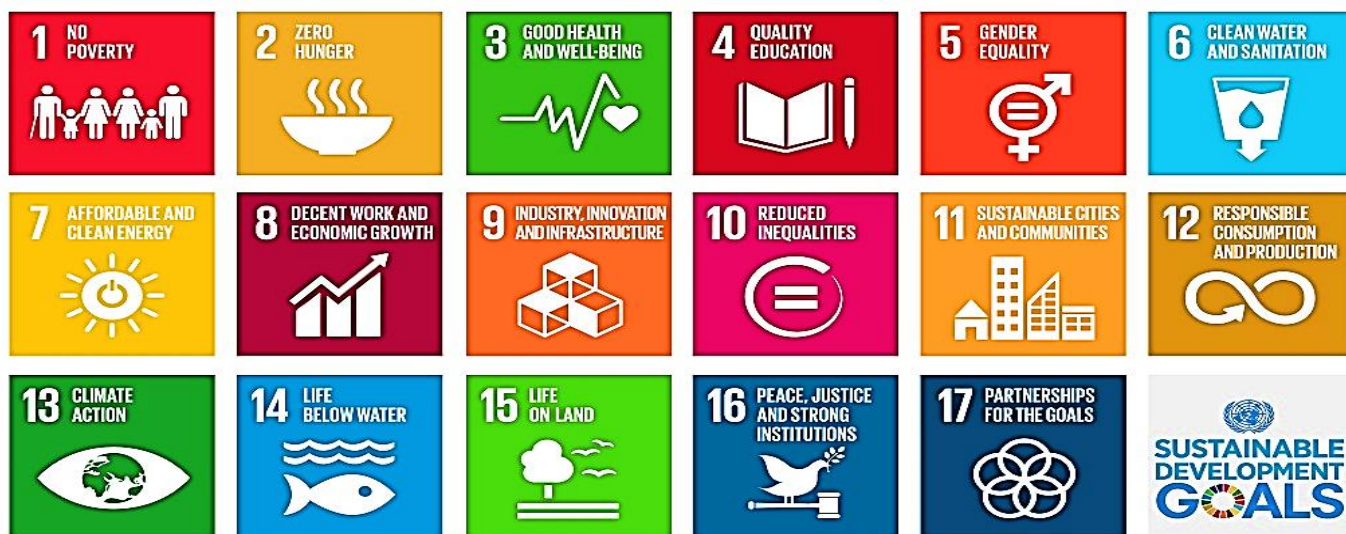
Organized by

Department of Chemistry, KJSSC, Mumbai

In association with

Chemistry Division, BARC, Mumbai

22 - 23 April, 2022 (Friday & Saturday)



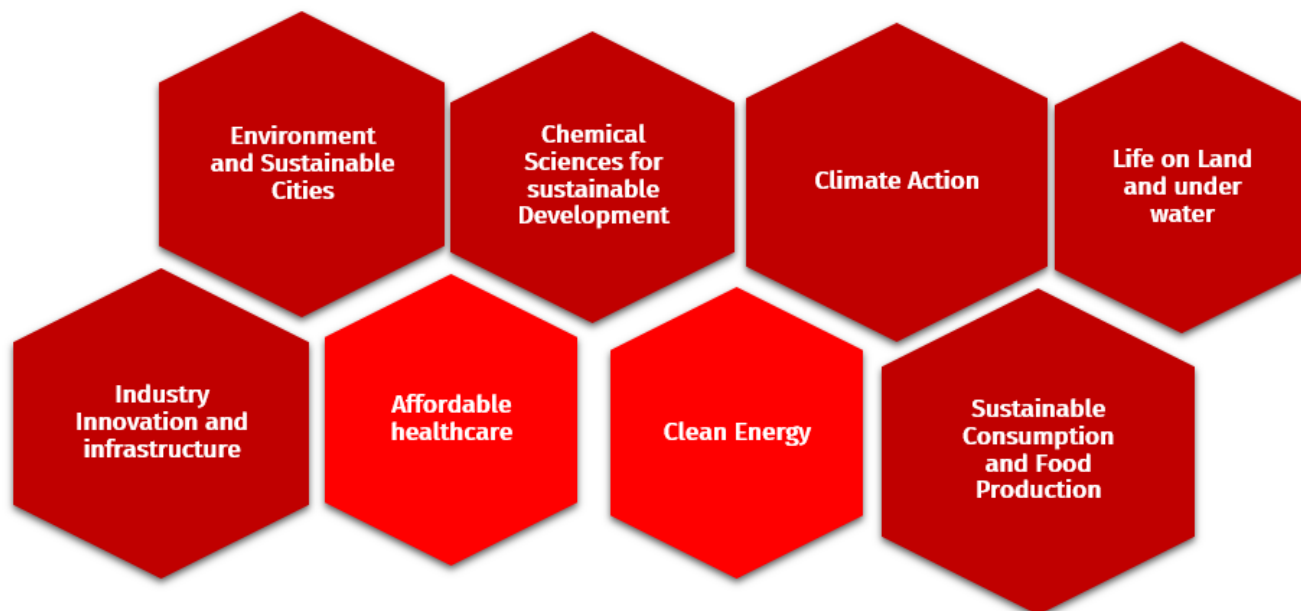
Green Chemisree
Foundation



Objectives:

- To establish linkage between academia and industry for sustainable chemistry education.
- To exchange innovative research ideas for meeting affordable and clean energy goals.
- To understand the importance of green chemistry for sustainability.

Theme for the symposium:



About the Conference:

India has fully adopted the Sustainable Development Goals (SDGs) framework and aligned its development priorities with the Global Goals to realize these goals by 2030. Indian businesses have begun to adopt the **'Triple Bottom Line'** that gives equal weight to financial, social and environmental targets in attaining pre-defined corporate objectives.

Now, it is the turn of the researchers and scientists to map their activities with SDGs for meeting the national goals. In the current pandemic, everyone has witnessed that in the absence of scientific development and technological support, the world would have been at a standstill during pandemic and the damage caused by COVID-19 would have been much greater than it is today.

Against this backdrop, the United Nations (UN) has declared that the year 2022 will be dedicated to basic sciences, with a focus on how scientific research can propel sustainable development and improve the quality of life across the world.

This conference aims to raise awareness of the importance of chemical sciences for sustainable development and its impact on the environment and economy, in accordance with national priorities.

About the K. J. Somaiya College of Science and Commerce:

Somaiya Vidyavihar Education Trust was founded by Padmabhusan Pujya Shri Karamshibhai Jethabhai Somaiya in **September 1959** to provide value-based holistic education. The sprawling green Somaiya Vidyavihar campus is equipped with excellent educational, recreational, community, health, and sports facilities. Our motto is: **jñānādeva tu kaivalyam** i.e. Knowledge alone liberates.



Somaiya Vidyavihar is committed to the cause of Education, Community Service, Indian Culture, and Research in Science and Technology. The K J Somaiya College of Science and Commerce was awarded an “A” Grade by NAAC. The College was adjudged as the Best College of the University of Mumbai in 2010 in the urban category. The College has been conferred Autonomous Status from 2013-2014. The College was awarded FIST “O” level Program DST, Star College Scheme by DBT, and has recently been awarded ‘College with Potential for Excellence by UGC.

About Department of Chemistry, K. J. Somaiya College of Science & Commerce:

The Department of Chemistry was established in **1960**. It has been the largest departments the college. The department has 24 full time teaching faculty. The faculty is actively involved in research with 8 guides for Ph.D. and 13 guides for M.Sc. (by research) of University of Mumbai.



The department has well equipped research laboratories. In addition, the college has a common instrumentation facility with High performance Thin Layer Chromatograph (HPTLC), High performance Liquid Chromatograph (HPLC), Gas Chromatograph (GC), Fourier Transform Infrared spectrometer – FT IR, UV and Visible spectrometer. The department has collaborations with Industries and research institutes for benefit of the students and faculty involved in research.

Registration Details and Process:

Target audience: Researchers, scientists, technologist, academicians, executives and professionals from industries, final year PG students.

Registration Fees

Last Date of Registration

Faculty / Industry Delegates 500/- INR

Research Scholars 500/- INR

Students 100/-INR

March 30, 2022

Registration Link : <https://forms.gle/brkf9tHu3MNEKttF7>

Registration Details

Registration on First Come, first serve basis
Registration Fee: (Non-Refundable)

Account Details

Account Holder's Name: K J Somaiya College of
Science and Commerce

Bank Name & Branch: Kotak Mahindra Bank Ltd,
Ghatkopar East

Bank Account: 3411560781

IFSC Code: KKBK0000658

Poster Presentation

- Participants may publish their scientific work in the poster format which will be brought out as Proceedings.
- Kindly submit your abstract in **250 words**.
- The Poster size will be A0 (33-1/8 x 46-13/16 inches **OR** 841 mm x 1188 mm).
- The last date of submission of abstract is **March 30, 2022**.

The Abstracts are invited on the themes of the online conference for **oral/poster presentation** from faculty, research scholars, chemical industry representatives, post graduate students.

Three Best presentations will be selected by a Jury of three eminent scientists for the special awards

Instructions for Abstract submission:

The abstracts for paper / poster presentations should be limited to **250 words** and must highlight the link between Chemical Sciences and SDGs. It should specify the name of the authors, and corresponding Author or /the research guide(s). Please use the word processor (MS Word) with the following settings: A4 size (11.69" x 8.27"): margins of 1.5" on left and 1" on all other sides; font Times New Roman: line spacing 1.5 lines and spacing after para 6 pt; line1: title in capital, bold and in 14 point font size; line2: author's name (underlined) and name of research guide (asterisk); line3: email ids; line4: name of affiliated institution; line5: body of abstract in font size 12; keywords (maximum 6) to be mentioned at the end of body; references have to be included in APA format.

All abstracts will be reviewed by technical committee and short-listed candidates will be informed by email.

List of Speakers:

- 1 **Prof. G. D. Yadav**, Institute of Chemical Technology, Mumbai
- 2 **Prof. A. K. Tyagi**, BARC, Mumbai
- 3 **Dr. C. Gopinath**, NCL, Pune
- 4 **Prof. Vivek Polshettiwar**, TIFR, Mumbai
- 5 **Dr. Sadhana Rayalu**, CSIR-NEERI, Nagpur
- 6 **Dr. Dibakar Goswami**, BARC, Mumbai
- 7 **Prof. B. M. Reddy**, CSIR-IICT, Hyderabad
- 8 **Dr. Nitin Labhshetwar**, CSIR-NEERI, Nagpur
- 9 **Dr. K. T. Shenoy**, BARC, Mumbai
- 10 **Mr. Swapan Ray**, Reliance Industries Limited & Indian Centre for Plastics in the Environment, Mumbai
- 11 **Prof. B.M. Bhanage**, Institute of Chemical Technology, Mumbai
- 12 **Dr. Sangeeta Srivastava**, Executive Director, Godavari Biorefineries Ltd., Mumbai
- 13 **Dr. Rafi Shaik**, Founder Scientist and researcher, Carbanio.com , Hyderabad
- 14 **Mr. Nitesh Mehta**, Co-founder & Director, Green ChemisTree Foundation, Mumbai
- 15 **Dr. Rajesh Rajeshirke**, Senior Manager, Technology and Sourcing, BASF, Mumbai
- 16 **Dr. Ashok Menon**, Global Technology Leader, Life Cycle Assessment, Corporate Sustainability Division at SABIC

Schedule (Hybrid mode):

Day 1: Friday, April 22, 2022		
9.30 - 10.30 am	Inauguration and Key Note address by Chief Guest	
10.30 - 11.00 am Tea Break		
11.00 - 12.30 pm	Session I	Chemical education for sustainable Development
12.30 - 1.30 pm Lunch Break		
1.30 - 3.00 pm	Session II	Clean Water, Sanitation and Affordable health care
3.00 - 3.30 pm Tea Break		
3.30 - 5.00 pm	Session III	Clean Energy Environment and sustainable cities
Day 2: Saturday, April 23, 2022		
9.30 - 11.00 am	Session IV	Industry Innovation and Infrastructure
11.00 - 11.30 am Tea Break		
11.30 - 1.00 pm	Session V	Climate Action and Sustainable Food production
1.00 - 2.00 pm Lunch Break		
2.00 - 3.30 pm	Session VI	Panel Discussion- Sustainability Initiatives - Chemical Industry perspective
3.30 -4.00 pm Tea Break		
4.00 -5.00 pm	Valedictory Function	

Advisory Committee

1. **Prof G D Yadav**, Former Vice Chancellor, Institute of Chemical Technology, Mumbai
2. **Prof. . A K Tyagi**, Director, Chemistry Group, BARC, Mumbai
3. **Dr. V K Jain**, Director of UM-DAE Center for Excellence in Basic Sciences, Mumbai
4. **Dr. A.D. Sawant**, Former Vice Chancellor, University of Rajasthan
5. **Dr. Rajiv Jain**, Director, Pondicherry University
6. **Prof. A. K. Bakhshi**, Founding Vice-Chancellor of PDM University, Haryana
7. **Prof. A. K. Singh**, Independent Director, RCF, Mumbai.
8. **Prof. V. S. Nadkarni**, Senior Professor, Dept. of Chemistry, Goa University
9. **Prof. Prasanna Ghalsasi**, Department of Chemistry, M. S. University of Baroda
10. **Dr. Ganesh Naik**, Director of Chemistry Program, Professor of Chemistry & Environmental Sustainability, College of St. Mary, Omaha, USA
11. **Dr. Dietmar Hueglin**, Director Innovation Campus, Mumbai and Vice President, Advanced Materials & Systems Research at BASF
12. **Mr. Nitesh Mehta**, Founder , Director, Green Chemistree Foundation, Mumbai.
13. **Dr. Sangeeta Srivastava**, Executive Director, Godavari Biorefineries Ltd., Mumbai.
14. **Dr. Ajay Ojha**, Partner, Technogreen Environmental Solutions.
15. **Dr. Satyendra Upadhayay**, Director, International relations, Somaiya Vidyavihar University.
16. **Dr. Ravindrasinh Pardeshi**, Principal, Fergusson College, Pune

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Chancellor, Somaiya Vidyavihar University

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Smt. Leelaben Kotak

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KJSSC

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KJSSC

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Asso. Professor, Department of Chemistry,
KJSSC

Co-convenor

Dr. P. A. Hassan
Head, Nanotherapeutics and Biosensors
Section, Chemistry Division, BARC

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