

"Inspiring, Igniting and Transforming to Excel"

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Accredited by NAAC with 'A' Grade (4th cycle) with CGPA of 3.15/4.00

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Department of Chemistry (Research Centre)
Organizes

One Day International Seminar

On



"From Laboratory To Industry: Green Chemistry For Circular Economy"



"CELEBRATING 25 YEARS OF GREEN CHEMISTRY PRINCIPLES"

Looking Beyond Green





Paul Anastas, well known as the father of chemistry coined the word "Green Chemistry" way back in the year 1995. According to Sir Anastas, green chemistry is an engineered science for designing of products and processes, for reducing and minimizing the use and manufacture of hazardous substances. This concept was further understood with the introduction of 12 green chemistry principles by Sir Anastas and cofounder Sir John Warner, in the year 1998. The growth and success of industries globally, is accompanied by areas of wastes generation problems, that include climate change, stratospheric ozone depletion, ocean acidification, atmospheric aerosol loading etc. The industries have been realizing the need for implementation of the concepts of atom economy, catalysis, energy efficient technologies, safer solvents, reduced derivatives, use of renewable feedstocks, biodegradation etc. Green chemistry has paved the way to circularize chemistry towards circular economy and sustainability. This has further revolutionized industries for better growth and sustainable future.

Objectives

- To understand the principles of green chemistry.
- To promote knowledge of green chemistry in industry.
- To understand the concept of circular chemistry.
- To define the role of green chemistry for circular economy.

Topics

Green Chemistry innovations for industry, Sustainable Flow Chemistry, Economy benefits, Need for renewable feedstocks, Food and waste Valorization, Atom economical synthesis, Laboratory safety, design for degradation, catalysis, circular chemistry in industry, mechanodesigns for industry, decarbonization.

Abstract Submission for Oral Presentation

- ☐ From colleges, institutes, universities and industry (state, national and international).
 - □ Last date for Abstract submission : 15th May 2023
 - □ Abstract Acceptance date: 16th May 2023
 - ☐ Duration of Presentation: 10 mins.

Abstracts to be sent via email and text to panu.fadte23@gmail.com

- ☐ Typewritten, less than 150 words, Times Roman Font size 12 pt
- □ Title must be bold, authors, presenting author to be underlined, authors affiliation with email id
 □ Indicate whether virtual or in person.

Top three oral presenters to get medal prizes

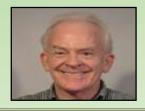
Eminent Speakers







Prof. Antonio Patti,
Professor, School of Chemistry
Monash University, Monash, Australia



James Hanley Clark
Professor, Chemistry,
Director,
Circa Renewable Chemistry Institute
University of York, York-England



Dr. J.C. (Chris) Slootweg
Faculty of ScienceVan 't Hoff Institute
for Molecular Sciences,
University of Amsterdam,
Amsterdam-Netherlands



Dr S. Venkata Mohan (Shanti Swarup Bhatnagar (SSB) Prize'2014) Bioengineering and Environmental Centre, CSIR-Indian Institute of Chemical Technology, Hyderabad-India



Prof. Mainak Banerjee,
Professor
Department of Chemistry
Birla Institute of Technology
Goa Campus

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Prof Antonio Patti
Professor, Monash University, Australia

Dr S. Venkata Mohan

Bioengineering and Environmental Centre,

CSIR-Indian Institute of Chemical Technology

Hyderabad-India

Prof. James Clark **Professor, University of York, United Kingdom**





Organizing Committee

Prof. Vidya Desai

Professor and Convener

(Head of the Department)

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Registration details: via google form https://forms.gle/5CUfW4RW2EjwZYwY6

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Convener: Prof. VIDYA DESAI

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Register before 17th May 2023



