

# SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING

(Deemed to be University)

# **International Symposium**

## on

RECENT TRENDS IN SUSTAINABILITY

# IN

# **CHEMICAL SCIENCES**



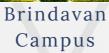
# 16<sup>th</sup> December, 2023

Organized by Department of Chemistry



Anantapur Campus







Prasanthi Nilayam Campus



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8:45 AM Vedam Chanting, Ceremonial lighting of the Lamp 8:50 AM Welcome Address Prof. Rajni Bhandari Head of Department, Chemistry, SSSIHL. 8:55 AM **Inaugural Address** Prof. B. Raghavendra Prasad Vice-Chancellor, SSSIHL. 9:00 AM Sustainability through Advanced Chemical Separations **Prof. Somenath Mitra** Executive Director, Otto York Center for Environmental Engineering and Science, Distinguished Professor, Chemistry and Environmental Science, New Jersey Institute of Technology, USA. 10:00 AM Sustainable Flexible Packaging: An Overview Dr. Dhurjati Siva Mudigonda Director, Product Development, Pixelle Speciality Solutions, USA. Key challenges to Sustainability in the Global Chemical Industry 11:00 AM Sri Giri Guruswami Director, Strategic Sourcing, STERIS, USA. LUNCH BREAK 12:00 PM A Case approach to susbtantiate paradigms for integrated 1:15 PM management of chemicals: An Ecosystem Perspective to tackle Local, Regional & Global Scale Externalities Prof. Gopichandran Ramachandran Professor, NTPC School of Business, INDIA. Towards Greener Lab and Sustainability 2:15 PM Dr. Srinivas Oruganti Director, Dr. Reddy's Institute of Life Sciences, Head, Center for Process Research and Innovation, INDIA. 3:15 PM A Gateway to Sustainable Solutions through Green Hydrogen Dr. Raman Vedarajan Scientist, Center for Fuel Cell Technology, ARCI, INDIA. 4:15 PM **Concluding Remarks** Dr. Sripada Lakshminath Associate Professor, Prasanthi Nilayam Campus. Vote of Thanks 4:20 PM Dr. Kumar Sai Smaran Assistant Professor, Brindavan Campus. 4:25 PM Mangala Arathi to BHAGAWAN SRI SATHYA SAI BABA

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## Prof. Somenath Mitra

Executive Director, Otto York Center For Environmental Engineering And Science, Distinguished Professor, Chemistry And Environmental Science, New Jersey Institute Of Technology, USA.

## Dr. Dhurjati Siva Mudigonda

Director - Product Development, Pixelle Speciality Solutions, USA.

## Sri Giri Guruswami

Director - Strategic Sourcing STERIS, USA.

## Prof. Gopichandran Ramachandran

Professor, NTPC School of Business, INDIA.

## Dr. Srinivas Oruganti

Director, Dr. Reddy's Institute of Life Sciences, Head, Center for Process Research and Innovation, **Dr. Reddy's Institute of Life Sciences, INDIA.** 

## Dr. Raman Vedarajan

Scientist, Center for Fuel Cell Technology, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), INDIA.











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## ABOUT THE SYMPOSIUM

#### "Human life will find fulfilment only when ecological balance is maintained. Balance in human life and balance in nature, both are equally important."

#### -Bhagawan Sri Sathya Sai Baba

In recent years, in the dynamic landscape of chemical sciences, a perceptible shift towards sustainability has emerged, demanding urgent attention for industry and academia alike to align coherently to make a meaningful impact. Recent trends, prioritise a fusion of innovation and environmental consciousness, beginning at the grass root level, especially linking green chemistry, renewable resources, and waste reduction. This paradigm shift not only aligns with the global efforts to combat climate change but also presents a flourishing field of career opportunities for aspiring chemists. The symposium objectively delves into this sustainability wave, to gain valuable insights into designing sustainable, and environmentally benign synthetic processes, industry protocols and practices, and pioneering breakthroughs in materials science. This symposium will also help the academia to embrace trends and methodologies for a positive impact in the chemical industry.

#### SYMPOSIUM CHAIRMAN AND CONVENOR Prof. Rajni Bhandari

### ORGANIZING COMMITTEE

Dr. Kumar Sai Smaran Dr. V. N. Ravi Kishore Vutukuri Dr. Raji V. Nair

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