



SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING

(Deemed to be University)

International Symposium on RECENT TRENDS IN SUSTAINABILITY IN CHEMICAL SCIENCES



16th December, 2023

**Organized by
Department of Chemistry**



Anantapur
Campus



Brindavan
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.
- 11:00 AM **Key challenges to Sustainability in the Global Chemical Industry**
Sri Giri Guruswami
Director, Strategic Sourcing, STERIS, USA.
- 12:00 PM **LUNCH BREAK**
- 1:15 PM **A Case approach to substantiate paradigms for integrated management of chemicals: An Ecosystem Perspective to tackle Local, Regional & Global Scale Externalities**
Prof. Gopichandran Ramachandran
Professor, NTPC School of Business, INDIA.
- 2:15 PM **Towards Greener Lab and Sustainability**
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.
- 4:20 PM **Vote of Thanks**
Dr. Kumar Sai Smaran
Assistant Professor, Brindavan Campus.
- 4:25 PM **Mangala Arathi to BHAGAWAN SRI SATHYA SAI BABA**



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Executive Director, Otto York Center For
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New Jersey Institute Of Technology, USA.



Dr. Dhurjati Siva Mudigonda

Director - Product Development,
Pixelle Speciality Solutions, USA.



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STERIS, USA.



Prof. Gopichandran Ramachandran

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**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

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Dr. Kumar Sai Smaran

Dr. V. N. Ravi Kishore Vutukuri

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