

Chief Patron  
**Dr. M. N. Channabasappa**  
Director, SIT

Patrons  
**Dr. Shivakumaraiah**  
CEO, SIT

**Dr. S. V. Dinesh**  
Principal, SIT

Convener  
**Dr. S. Murthy Shekhar**  
HoD, Department of ChE, SIT

Coordinator  
**Dr. Rajashekhara S.**  
Assistant Professor, ChE, SIT

Co-Coordinator  
**Dr. Poornima G. Hiremath**  
Assistant Professor, ChE, SIT

Members of the Organising Committee  
**Faculty & Staff**

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# Siddaganga Institute of Technology

(Autonomous Institution Affiliated to VTU, Belagavi, Accredited by NAAC with A Grade)

**B. H. Road, Tumakuru - 572103**



Under  
**ATAL Scheme of AICTE**  
**New Delhi**

**One Week (Online)**  
**Faculty Development Program**  
**On**

**Recent Advances in Management and Processing  
of Industrial and Domestic Waste (RAMPIDW)**



**Organized by**  
**Department of Chemical Engineering (ChE)**  
(Accredited by NBA, New Delhi under Tier-I)  
**Siddaganga Institute of Technology**  
<http://www.sit.ac.in/html/departement.php?deptid=4>

## ABOUT THE INSITITUTE

Siddaganga Institute of Technology, Tumakuru is popularly known as SIT was established in the year 1963. It is one among the 125 institutions run by the Sree Siddaganga Education Society, founded and nurtured by His Holiness Dr. Sree Sree Sivakumara Swamiji and his vision is carried forward by Sree Sree Siddalinga Swamiji, President Sree Siddaganga Education Society. The college is an autonomous institute, affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka and approved by AICTE, New Delhi and accredited by NBA, New Delhi. At present, the institute offers 13 Undergraduate programs 12 Postgraduate programs. Fifteen departments are recognized as research centres by VTU to offer Ph.D. and M.Sc. (Engg.) by research.

The institute is recognized as one of the premier technological institutes in the country as evident from the ranking under National Institutional Ranking Framework (NIRF), MHRD, Govt. of India – Ranked among the Top 100 Engineering Institutions of the country for the fifth time in a row (2016-2020). The institute has been placed in Gold category in AICTE-CII Survey of Industry linked Technical Institutes- 2015, 2017, 2018, 2019 and 2020. The institute is accredited by NAAC with 'A' Grade for five years. To empower the youth to become entrepreneurs, the Department of IT, BT and Science and Technology, Government of Karnataka selected SIT for establishment of New Age Incubation Centre from 2014. Also, Government of India has sanctioned MSME Business Incubation centre. Recently AICTE has selected SIT for establishing IDEA Lab to facilitate the creation and nurturing of innovative ideas by students and faculty under one roof.

## DEPARTMENT OF CHEMICAL ENGINEERING

SIT stands out to be the 1<sup>st</sup> private engineering college in Karnataka to offer Chemical Engineering specialization.

The Department of Chemical Engineering was established in the year 1974 and has been offering UG, (M.Sc., Engg.) by Research and Ph.D. programs. The UG program is accredited by NBA, New Delhi.

The Department of Chemical Engineering has been working towards achieving its Vision: To be an Internationally renowned department for Chemical Engineering Education and Research meeting the aspiration of society. The department has a dedicated faculty team, who have been trained to offer high quality education.

Apart from academics, they are actively involved in consultancy & research focussed towards industrial and social relevance viz., application of biotechnology and Nanotechnology for reduction of heavy metals in potable water, application of engineering principles for reduction/recycle/reuse of waste water for growth of sustainable world, synthesis of bio-diesel from algae and 2G sources, conversion of waste to plastic and liquid fuels, Drug delivery enhancement to provide health for all. The department has established Risk Management Center of Excellence partnership with DNV Mumbai & IChE to cater the process safety and risk associated with Industries.

### **Title: Recent Advances in Management and Processing of Industrial and Domestic Waste**

## ABOUT THE FACULTY DEVELOPMENT PROGRAM

The FDP aims at bringing in the faculty members of various departments together and enhance their knowledge about the sources of industrial and domestic wastes, methods of handling, processing and disposal of these wastes. It can also provide a platform for working of individual faculty in the area of interdisciplinary research to minimize the generation of these wastes. The FDP would provide principles beyond waste classification, technologies for their conversion and alternative methods to handle them with the case studies. The FDP will include expert lectures on the state of art technologies to handle and manage various types of wastes generated by industrial and domestic sources. By the end of the program the participants will be able to effectively understand the effects of Domestic and Industrial effluents sewage waste on environment and insight on their treatment techniques.

### **Resource Persons:**

Experts from academia, R&D organizations and industries handle the sessions.

### **Target Participants:**

Faculty members from any branch of Engineering and Science. Research scholars pursuing PhD, PG students. Scientists/ Engineers/ Managers/ from Industry/ Govt/ R&D Organizations. Number of participants is limited to 200 and Last Date for Registration 14-08-2021

URL for (free) registration link: <https://www.aicte-india.org/atal>



**SIDDAGANGA INSTITUTE OF TECHNOLOGY**  
**TUMAKURU – 572103**

**DEPARTMENT OF CHEMICAL ENGINEERING**

**ATAL Sponsored Faculty Development Program on Recent advances in  
management and processing of industrial and domestic waste**

**August 16<sup>th</sup> – 20<sup>th</sup> 2021**

**Program Schedule**



Weekdays	09:00 AM - 11:00 AM		11:10 AM - 1:10 PM		02:30 PM - 04:30 PM
<b>16/08/2021 Monday</b>	Inaugural Function and Key Note Address <b>Dr. R. J. Krupadam</b> , Senior Principal Scientist, CSIR-NEERI & Prof. of Chemical Sciences, ACSIR	Tea Break	Waste Recycling of Treated Water From Urban Cities - Challenges & Opportunities <b>Dr. L. N. Rao</b> , IISc, Bengaluru	Lunch Break	Membrane Based Technology for Zero Liquid Discharge <b>Dr. Vidya Shetty</b> , NITK, Surathkal
<b>17/08/2021 Tuesday</b>	Wealth From Waste in Integrated Sugar & Distillery Industry Complex <b>Dr. C. T. Puttaswamy</b> , BMSCE, Bengaluru		Waste to Fuels: Decarbonizing India <b>Mr. Gaurav Shah</b> Managing Partner, Trident Chemicals & Renewables		Elemental Instrumentation Technique In Industrial Waste Management and Disposal <b>Dr. Piyush Deokar</b> Product Manager, TEA & IOMS (CHNS)
<b>18/08/2021 Wednesday</b>	Safe waste disposal model <b>Dr. G. Sreeniketan</b> , NMAMIT, Nitte		Advanced RO Based Wastewater Treatment System for Maximization of Treated Effluent Recycle of Petroleum Refinery <b>Mr. Manjunath</b> , MRPL, Mangaluru		Decentralized Wastewater Treatment System: Innovation for Sustainable Rural Communities <b>Dr. L. N. Rao</b> , IISc, Bengaluru
<b>19/08/2021 Thursday</b>	Your Work Defines You & You Define Your Nation <b>Sri Sri Sri Veereshananda Saraswati Swamij</b> Ramakrishna Vivekananada Ashrama, Tumakuru		Municipal Solid Waste Management - New Trends <b>Mr. Sampath</b> Tide Technocrats Bengaluru		Demonstration of ICPMS
<b>20/08/2021 Friday</b>	Fluoride Treatment using Novel Materials <b>Dr Poornima G. Hiremath</b> SIT, Tumakuru		Sanitary Waste Treatment and Disposal <b>Mr. Manjunath S. P.</b> SIT, Tumakuru		Valedictory Function Online Exam



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## Department of Chemical Engineering (ChE)

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Cordially invites you to Inaugural Program  
of Five Days ATAL Online FDP  
On



## Recent Advances in Management and Processing of Industrial and Domestic Waste (RAMPIDW) (16<sup>th</sup> to 20<sup>th</sup> AUG 2021)

### Chief Guest & Keynote Speaker

**Dr. R. J. Krupadam**

Senior Principal Scientist, CSIR-NEERI &  
Prof. of Chemical Sciences, ACSIR

### Guest of Honours

**Dr. M. N. Channabasappa**

Director, SIT, Tumakuru

**Dr. Shivakumaraiah**

CEO, SIT, Tumakuru

**Dr. S. V. Dinesh**

Principal, SIT, Tumakuru

**Time:** 09:00 AM

**Date:** 16 - AUG - 2021

## Program Schedule

- **Welcome Speech**
- **Invocation**
- **Program Overview**
- **Address by Chief Guest**
- **Address By Guest of Honours**
- **Vote of Thanks**

**Webex Meeting Joining Link :** <https://cutt.ly/6QSKK6Q>

**Dr. Poornima G. H.**  
Assistant Professor  
Co-coordinator, ChE, SIT

**Dr. Rajashekhara S.**  
Assistant Professor  
Co-ordinator, ChE, SIT

**Dr. S. Murthy Shekhar**  
Professor & Head  
Convener, ChE, SIT