



Sri SAI RAM INSTITUTE OF TECHNOLOGY

An ISO 9001 : 2008 Certified Institution

Sai Leo Nagar, West Tambaram, Chennai - 44. www.sairamit.edu.in

DEPARTMENT OF CHEMISTRY

Name : Dr.S.Rathika
Designation : Associate Professor
Email : rathika.chem@sairamit.edu.in
Qualification : M.Sc.,M.Phil.,Ph.D.
Specialization : Inorganic Chemistry
Research Interest : Chemistry



Experience in years : **Teaching** UG PG **Industry**
No. of Workshop/Conferences/
FDP attended : Workshop Conferences FDP
No. of Workshop/Conferences/
FDP Organized : Workshop Conferences FDP

Professional Membership	ISTE,ACS,IEEE
Publications	Physical Performance of Sisal-PALF-Banana/Glass Fiber Reinforced Polyester Hybrid Composites.
	Influence of Polyvinyl Palmitate Copolymer As Viscosity Index Improvers For Lube
	Optimising the Parameters for the Congo Red Dye Decontamination in Aqueous solution by Polyvinylpalmitate Adsorbents
	Theoretical Molecular properties, prediction, docking and antimicrobial studies on Anisidine-Isatin Schiff Bases
	Adsorption kinetics for the removal of harmful EBT dye by polyvinyl palmitate as effective adsorbents
Research Funded Projects	Nil
Patents	1. Water purifying and Flavour infusion devices 2. Synthesis, characterization, Antimicrobial and anticancer activities of pyrimidine, pyridine based benzamide derivatives

	3ZnO nanoparticles coated c assia auriculata flower, gumin, fenugreek, aspartame grinded powder mixed chewable table for diabetic control
Achievements	Judge at Exhibition- JNNSMEE Cluster Level Competition
	Featured in book -50 Inspirational Women in STEMM
	Organised Workshop on Advancements in Chemical Sciences, Sri Sairam Institute of Technology
Any Other Information	Nil

List of Publications:-

<u>Physical Performance of Sisal-PALF-Banana/Glass Fiber Reinforced Polyester Hybrid Composites.</u>
<u>Influence of Polyvinyl Palmitate Copolymer As Viscosity Index Improvers For Lube</u>
<u>Optimising the Parameters for the Congo Red Dye Decontamination in Aqueous solution by Polyvinylpalmitate Adsorbents</u>
<u>Theoretical Molecular properties, prediction, docking and antimicrobial studies on Anisidine-Isatin Schiff Bases</u>
<u>Adsorption kinetics for the removal of harmful EBT dye by polyvinyl palmitate as effective adsorbents</u>

List of Patent :

1. Water purifying and Flavour infusion devices
2. Synthesis, characterization, Antimicrobial and anticancer activities of pyrimidine, pyridine based benzamide derivatives
3. ZnO nanoparticles coated c assia auriculata flower, gumin, fenugreek, aspartame grinded powder mixed chewable table for diabetic control

Workshop / Conferences / FDP Attended:-

University/Institution	Programme	Period	No. of Days
AICTE, New Delhi	Online Workshop on Universal Human Value	28.07.2020-01.08.2020	5
NITTTR, Chandigarh	Short Term Course on 2D Nanomaterials: Potential & Applications through ICT	17.10.2022 -21.10.2022	7
Rajapalayam Rajus' College, Rajapalayam	International Faculty Development Program 2.0 on Recent Research in Material Physics & Nano Devices	21.11.2022-25.11.2022	5
AICTE, New Dehi	Module 1:Orientation Towards Technical Education and Curriculum Aspects of NITTT	July 2022	91
AICTE, New Delhi	Module 2: Professional Ethics & Sustainable Development	July 2022	91
AICTE, New Delhi	Module 3: Communication Skills, Modes and Knowledge Dissemination	July 2022	91

AICTE, New Delhi	Module 7:Creative Problem Solving, Innovation and Meaningful R&D	May 2021	91
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Title	Type (S/C/WS)	Organization Name	Place	Days	Date
Advances and innovation in civil and mechanical Engg AICME 2014	C	Veltech High-tech Dr. Rangarajan Engg college	Avadi	1	23.08.2014
Advancement in materials science (AMS 2014)	C	Coimbatore Institute of Technology	Coimbatore	2	26.09.2014-27.09.2014
2nd international conference on advances in materials, manufacturing and applied sciences	C	Sri Sairam Institute of Technology	Chennai	2	30.03.2017-31.03.2017
Recent trends in chemistry	W	SFR College for Women, Sivakasi	Sivakasi	1	01.02.2001
Frontier areas in chemistry	W	VHNSN College, Virudhunagar	Virudhunagar	1	20.02.2002
Modern techniques for the characterization of polymeric materials	W	VIT, Chennai	Chennai	1	02.03.2013
Role of polymers in modern engineering materials	W	Sri Sairam Institute of Technology	Chennai	1	12.04.2013
Green composites	W	Sri Sairam Institute of Technology	Chennai	1	27.08.2014
How to write research papers for refereed journals	W	Sri Sairam Institute of Technology	Chennai	1	24.01.2015

Recent trends in renewable energy	W	Sri Sairam Institute of Technology	Chennai	1	31.03.2015
Advancements in chemical sciences	W	Sri Sairam Institute of Technology	Chennai	1	18.07.2016
Revealing the Advancements in material sciences	W	Sri Sairam Institute of Technology	Chennai	2	19.07.2016-20.07.2016

Workshop / Conferences / FDP Organized:-

Organised Workshop on Advancements in Chemical Sciences, Sri Sairam Institute of Technology