

Name: Dr.S.Rathika	<p style="text-align: center;">Photo</p> 		
Designation:	Associate Professor		
Qualification:	M.Sc.,M.Phil.,Ph.D.		
Area of specialization:	Chemistry		
Experience:	Industrial Experience	Teaching Experience	
	Nil	23.5 years	
Number of workshops / FDP attended:	Number of Workshops	Number of FDPs	
	10	15	
Publications:	Conference		Journal
	National	International	National
	2	1	-
			9
Books / Book Chapters	Inspirational women in STEMM,2022		
Patents:	National	International	
	5		-
Professional Body Membership	ISTE, IEEE, ACS, IAENG		
Staff Achievements	Achievement of 100% Results		

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
	Ph.D.	Chemistry	2019	Madras Christian College	University Of Madras	-	I
	M.Phil.	Chemistry	2002	VHNSN College	Madurai Kamraj University	79.7	I
	M.Sc.	Chemistry	2001	SFR College for Women	Madurai Kamraj University	74.6	I
	B.Sc.	Chemistry	1999	Chellammal College for Women	University Of Madras	79.3	I

Educational Qualifications:

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sairam Engineering college	Associate Professor	01.07.2025	Till date	0	0	0
Sri Sairam Institute of Technology	Associate Professor	01.06.2017	30.06.2025	8	0	29
Sri Sairam Institute of Technology	Assistant Professor	01.08.2012	31.05.2017	4	9	30
Sri Sairam Institute of Technology	Senior Lecturer	19.06.2008	31.07.2012	4	1	12
Tagore Engineering College	Lecturer	06.10.2004	23.06.2008	3	9	-
Prince Shri Venkateshwara Engineering College	Lecturer	01.06.2002	09.10.2004	2	3	-

Workshops/Seminars attended:

Title	Type (S/C/WS)	Organization Name	Place	Days	Date
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

FDP/STTP Attended:

University/Institution	Programme
AICTE, New Delhi	Online Workshop on

	Universal Human Value
NITTTR, Chandigarh	Short Term Course on 2D Nanomaterials: Potential & Applications through ICT
Rajapalayam Rajus' College, Rajapalayam	International Faculty Development Program 2.0 on Recent Research in Material Physics & Nano Devices
AICTE, New Delhi	Module 1:Orientation Towards Technical Education and Curriculum Aspects of NITT
AICTE, New Delhi	Module 2: Professional Ethics & Sustainable Development
AICTE, New Delhi	Module 3: Communication Skills, Modes and Knowledge Dissemination
AICTE, New Delhi	Module 7:Creative Problem Solving, Innovation and Meaningful R&D

Symposium Attended: 5

Conference Attended:

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
2 nd international conference on advances in materials, manufacturing and applied sciences	C	Sri Sairam Institute of Technology	Chennai	2	30.03.2017-31.03.2017

Completed / Ongoing Projects: Nil

Patent:

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

4. LIQUID RECHARGEABLE LITHIUM ION BATTERY FOR ELECTRIC VEHICLE USING DEEP LEARNING APPROACH

5. An optimized bellow to increase the efficiency and stability of pipe joints

Journal Publications:

Year	Title of the Paper	Journal Name with volume & ISSN No.
2014	Physical Performance of Sisal-PALF-Banana/Glass Fiber Reinforced Polyester Hybrid Composites.	Asian Journal of Chemistry 26 & 9707077
2017	Optimising the Parameters for the Congo Red Dye Decontamination in Aqueous solution by Polyvinylpalmitate Adsorbents	International Journal of Innovative Science, Engineering and Technology 4 & 2348-7968
2019	Influence of Polyvinyl Palmitate Copolymer As Viscosity Index Improvers For Lube	Materials Today: Proceedings 16 & 2214-7853
2021	Theoretical Molecular properties, prediction, docking and antimicrobial studies on Anisidine-Isatin Schiff Bases	Asian Journal of Chemistry 33 & 9707077
2021	Adsorption kinetics for the removal of harmful EBT dye by polyvinyl palmitate as effective adsorbents	Materials Today: Proceedings 46 & 2214-7853

2023	Experimental investigation on lightweight concrete by adding polystyrene beads	Materials Today Proceedings 05/2023
2024	Thickness based Degradation Study of Commercial Polyethylene Waste Carry Bags using <i>Galleria mellonella</i> Worms	Research Journal of Chemistry and Environment
2024	Theoretical, Antibacterial and Antioxidant Investigations of Hydroxyl Group Substituted Benzanilide Schiff Bases	Asian Journal of Chemistry
2025	<u>Studies on 2-((2, 4-dihydroxybenzylidene) amino)-3-phenylpropanoic acid include antimicrobial, antidiabetic, antioxidant, anticancer, hemolysis, and theoretical QSAR</u>	Journal of Biomolecular Structure and Dynamics

Books / Book Chapters:

Inspirational women in STEMM
Revolutionize STEM

Awards:

Inspirational women in STEMM
Revolutionize STEM,2022

Judge,2012
KV2,Airforce, Tambaram,2019

Centum Result award
Sri Sairam Institute of Technology,2010

Centum Result award
Sri Sairam Institute of Technology,2012

Startup: Nil

Webinar Attended : 10

Resource Person:

Type of Programme	Title	Beneficiaries	Days	Date
Exhibition	JNNSMEE Cluster Level Competition	School Students	1	16.09.2019
Book	50 Inspirational Women in STEMM	Students		Jan 2023
Workshop	Advancements in Chemical Sciences, Sri Sairam Institute of Technologyss	Faculties	1	18.07.2016

Online Courses:

NPTEL

COURSE ERA

IEEE

UDEMY