

Name: Ms.R.KIRUTHIKA	Photo 			
Designation:	Assistant Professor			
Qualification:	MSc. M.Phil, Ph.D(pursuing)			
Area of specialization:	Inorganic chemistry			
Experience:	Industrial Experience		Teaching Experience	
	-		14	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	6		10	
Publications:	Conference		Journal	
	National	International	National	International
	1	-	-	-
Books / Book Chapters	-			
Patents:	National		International	
	1			
Professional Body Membership	IEEE, American Chemical Society, ISTE			
Staff Achievements	Skill Rack appreciation Award			

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	Chemistry	2006	Chellammal women's college, Guindy	University of Madras	65	I
PG	M.Sc.	Chemistry	2008	Guru Nanak college, Velachery	University of Madras	62	I
	M.Phil.	Inorganic Chemistry	2009	University of Madras, Guindy campus	University of Madras	0 Grade	I
PhD	PhD	Chemistry	Pursuing	Anna University	Anna University	-	-

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sairam Engineering College	Assistant Professor	01.07.2025	Till Date		4	
Sri Sairam Institute of Technology	Assistant Professor	01.07.2011	30.06.2025	15	0	0
The new Royal college of engineering and Technology	Lecturer	01.02.2010	13.05.2011	1	2	18

Workshops/Seminars attended:

1. Attended a One Day National Workshop on "Role of polymers in modern engineering materials" organized by the Department of Science & Humanities at Sri Sairam Institute of Technology on 12th March, 2013.
2. Attended a One Day National Workshop on "Modern techniques for the characterization of polymeric materials" organized by the Department of Science & Humanities at VIT on 12th March, 2013.
3. Attended a One Day National Workshop on "Green Composites" by the Department of Mechanical Engineering at Sri Sairam Institute of Technology, on 27th August, 2014.
4. Attended a One Day Seminar on "Recent trends in Renewable Energy" by Department of Electrical and Electronics Engineering at Sri Sairam Institute of Technology, on 31st March, 2015
5. Attended a Two-Day National Workshop on "Revealing the Advancements in material sciences" by Department of Mechanical Engineering at Sri Sairam Institute of Technology, on 19th-20th July, 2016
6. Attended a Faculty Development Programme on "Teaching excellence in engineering and

management curriculum” at Sri Sairam Institute of Technology, on 20th-21st July,2016.

7. Attended an International Conference on “Green chemistry and sustainable environment” by Department of Chemistry at B.S.Abdur Rahman University, on 2nd-3rd August, 2016.

8. Attended a Faculty Development programme on “Characterization of materials”.by Department of Physics at Sri Sairam Institute of Technology, on 20 th -21 st July,2017.

9.Attended FDP on Spectroscopic and Chromatographic Techniques at Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore from 24/04/2023 to 28/04/2023.

10.NPTEL FDP certificate for Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts Jan - Apr 2023.

NPTEL FDP certificate for Plastic Waste Management Jan- Mach 2024.

11.NPTEL FDP certificate for Air pollution control Jan- Apr 2024.

12.NPTEL FDP certificate for Sustainable Engineering Concept and LCA Jul- Sep 2024.

13.NPTEL FDP certificate for Water Treatment and Recycling Jul- Oct 2024.

14. NPTEL FDP certificate for Applied Environmental Microbiology Jan- Apr 2025.

Symposium Attended:

-

Conference Attended:

1.Attended an International Conference on “Green chemistry and sustainable environment” by Department of Chemistry at B.S.Abdur Rahman University, on 2nd-3rd August, 2016.

Completed / Ongoing Projects:

Patent:

1. Automated Quality Control in Chemical Manufacturing using computer vision and machine learning. Published on 06.10.2024.

Journal Publications:

List of Publications:

1. Development of Non-Toxic Catalyst for Green Chemistry Appliances in Wastewater Treatment.

Kumar P.S.; Vijayakumar B.; Kiruthika R.; Titus S.; Parmar K.; Ayyasamy R.; Philip J.M.; Prasad A.R.; Khan A.; Ananthan A.S.
Oxidation Communications, **Volume** 48, **Year** 2025, **Pages** 1-11.

2. Assessing the effect of Calcium Cyanimide and its survival and growth of Pathogenic E.Coli in Compost during the mesophilic phase.

Madhuramma C.; Kiruthika R.; Krishna K.L.; Balamurugesan T.; Vadivel M.; Gupta R.; Philip J.M.
Oxidation Communications, **Volume** 47, **Year** 2024, **Pages** 880-889.

3. Predictive Modeling of Poultry Growth Optimization in IOT connected farms using SVM for sustainable farming practices.

Kiruthika R.; Sahoo S.K.; Vathani B.S.; Reddy G.R. Rajanarayanan S.; Prakash S.
Proceedings of the 2024 10th International Conference on Communication and Signal Processing Iccsp 2024,
Year 2024, **Pages** 677-682.

4. Next generation air quality management using pollution detection and purification compartments.

Mageswari M.; Kiruthika R.; Asha R.M.; Devi P.
2023 2nd International Conference on Smart Technologies for Smart Nation Smarttechcon 2023, **Year** 2023, **Pages** 605-609.

5. A study of weight reduction Corrosion in acid influenced metals.

Daisylinanbusujitha S.; Kiruthika R.; Raja Bhuvanewari A.
Materials Today Proceedings, **Volume** 46, **Year** 2020, **Pages** 3614-3617.

Online Courses:

1. NPTEL FDP certificate for Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts Jan - Apr 2023.
2. NPTEL FDP certificate for Plastic Waste Management Jan- March 2024.
3. NPTEL FDP certificate for Air pollution control Jan- Apr 2024.
4. NPTEL FDP certificate for Sustainable Engineering Concept and LCA Jul- Sep 2024.
5. NPTEL FDP certificate for Water Treatment and Recycling Jul- Oct 2024.
6. NPTEL FDP certificate for Applied Environmental Microbiology Jan- Apr 2025.

