



# Sri SAI RAM INSTITUTE OF TECHNOLOGY

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Approved by **AICTE**, New Delhi | Affiliated to **Anna University**, Chennai.  
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## DEPARTMENT OF CHEMISTRY

Name : Dr. K.RAJESWARI

Designation : ASSOCIATE PROFESSOR

Email : rajeshwari.chem@sairamit.edu.in

Qualification : M.Sc.,M.Phil., Ph.D.

Specialization : Chemistry

Research Interest : Polymer 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	LIFETIME MEMBER IN ISTE
Publications	National : NIL
	International: 6
	Book : NIL
Research Funded Projects	NIL

Patents	NIL
Achievements	<i>100% results in EVS (III ECE B) in the year 2018-2019, Engineering chemistry I (I IT B, I ECE A) Engineering chemistry II (I ECE A) in the year 2016-2017 Engineering chemistry II (I ECE A) in the year 2015-2016, Engineering chemistry I (I MECH B) , Engineering chemistry II (IMECH B) in the year 2014-2015, Engineering chemistry I (I CSE A) , Engineering chemistry II (I CSEA, IT A) in the year 2013-2014.</i>
Any Other Information	

### List of Publications:-

1. Synthesis and characterization of Vinyl ester / Surface Treated ZnO Nano composites, K. Rajeswari, G.Ramesh, S.Guhanathan, International Journal of Advanced Chemical Science and Applications (IJACSA), ISSN (Print): 2347-7601, ISSN (Online): 2347-761X, Volume -3, Issue -3, 2015.
2. Fabrication and characterization of silane surface treated nano ZnO / Vinylester nano composites, G.Ramesh, K. Rajeswari, S.Guhanathan, Research & Review in polymer, ISSN : 2249-8877, 2015, Volume 6 Issue 1.
3. Preparation and characterization of general purpose unsaturated polyester/ZnO nano composites and their characterization, G.Ramesh, K. Rajeswari, S.Guhanathan, International Journal of Innovative Research in Science & Engineering, ISSN (Online) 2347-3207, 2014.
4. Fabrication and characterization of general purpose unsaturated polyester/Nickel oxide nano composites, G.Ramesh, K. Rajeswari, S.Guhanathan, International Journal of Frontiers in Science & Technology, ISSN : 2321-0494, 2015, Volume 3, Issue 3, 37-48.
5. "Surface functionalized nano Nickel oxide / Unsaturated Polyester composites for Engineering applications" , Rajeswari K, Ramesh G, Guhanathan S, International Journal of Engineering Applied Sciences and Technology, 2017, Volume 2, Issue 3, ISSN No. 2455-2143, pp. 60-65.
6. Nano Nickel Oxide/Vinyl Ester Composites with Improved Mechanical Strength, K.Rajeswari, G.Ramesh, S.Guhanathan, International Journal of Recent Technology and Engineering, ISSN : 2277-3878, Volume-8, Issue-3, September 2019.

**List of Patent : NIL**

## **Workshop / Conferences / FDP Attended:-**

1. Attended 14 days national level **FDP** on “Processing and characterization of composite materials including natural fiber reinforced composites” by the Department of Mechanical Engineering at Sri Sairam Institute of Technology, from 18<sup>th</sup> March 2015 to 31<sup>st</sup> March 2015.
2. Attended a one day **Workshop** on “Recent trends in Renewable Energy” by Department of Electrical and Electronics Engineering at Sri Sairam Institute of Technology, on March 2015.
3. Attended two days national level **FDP** on “Teaching excellence in Engineering and Management curriculum” by the Department of Management studies at Sri Sairam Engineering college, from 20<sup>th</sup> June 2016 to 21<sup>st</sup> June 2016.
4. Attended a one day national level **Workshop** on “Advancements in chemical sciences” by the Department of chemistry at Sri Sairam Institute of Technology, on 18<sup>th</sup> July 2016.
5. Attended two days national level **Workshop** on “Revealing the advances in material science” by Department of physics at Sri Sairam Institute of Technology, from 19<sup>th</sup> July 2016 to 20<sup>th</sup> July 2016.
6. Attended two days national level **FDP** on “Characterization of materials” by Department of physics at Sri Sairam Institute of Technology, from 20<sup>th</sup> July 2017 to 21<sup>st</sup> July 2017.
7. Attended a one day national level **Conference** on “Recent developments of chemistry in Engineering applications” by the Department of chemistry at Valliammai Engineering college and presented (oral) a paper on “Fabrication and characterization of amino functionalized nano NiO / Vinylester nano composites” on 3<sup>rd</sup> Feb, 2018.
8. Attended a one day national level **FDP** on “Skill development in research, projects and patent filing” by the Department of chemistry at Saveetha Engineering college, on 17<sup>th</sup> Feb, 2018.
9. Attended two days national level **Conference** on “Functional materials and its applications” by the Department of chemistry at Vels university and presented (oral) a paper on “Investigation of vinyl functionalized nano NiO/Vinylester nano composites” from 28<sup>th</sup> Feb, 2018 to 1<sup>st</sup> March 2018.

10. Attended one week AICTE recognized **FDP** on “Essential Industrial Chemistry for Engineers” conducted by Sathyabama Institute of Science and Technology from 5<sup>th</sup> September to 9<sup>th</sup> September 2022.
11. Attended one week AICTE recognized **FDP** on “2D Nanomaterials: Potential & Applications” conducted by Sathyabama Institute of Science and Technology from 17<sup>th</sup> October to 21<sup>th</sup> October 2022.
12. Attended five days national level **FDP** on “Spectroscopic and Chromatographic Techniques” conducted by the Department of Chemistry in Collaboration with CSI (Chromatographic Society of India) at Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore , Shri Vaishnav Institute of Science from 24<sup>th</sup> April to 28<sup>th</sup> April 2023.

### **NPTEL-AICTE FACULTY DEVELOPMENT PROGRAMME :**

1. Completed 12 weeks **FDP** on “Introduction to composites” and awarded **ELITE** certificate during Jan-Apr 2019.
2. Completed 12 weeks **FDP** on “Analytical chemistry” and awarded **ELITE** certificate during July-Oct 2019.

**Workshop / Conferences / FDP Organized:- NIL**