



DEPARTMENT OF CHEMISTRY

Name : JEMINA.I
Designation : ASSISTANT PROFESSOR
Email : jemina.chem@sairamit.edu.in
Qualification : M.Phil CHEMISTRY
Specialization : CHEMISTRY
Research Interest : NANOMATERIALS



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	ALL INDIA ASSOCIATION FOR EDUCATIONAL RESEARCH (2011) INDIVIDUAL LIFE MEMBER NO.3342 LIFE TIME MEMBERSHIP IN ISTE - LM128041 INTERNATIONAL ASSOCIATION OF ENGINEERS - 205630 IEEE - 98102249
Publications	National: NIL
	International: 4
	Book: NIL
Research Funded Projects	NIL
Patents	NIL

Achievements	<p>Received “Amjud Prize” Scholarship for my Academic Excellance in P.G</p> <p>Achieved 100% Result in Engineering Chemistry I & II for I-ECE B & IT B (2014-2015)</p> <p>Achieved 100% Result in Engineering Chemistry I & II for I-CSE A (2016-2017)</p> <p>Achieved 100% Result in Engineering Chemistry for I- ECEA (2017-2018)</p> <p>Achieved 100% Result in Engineering Chemistry for I -ECE B & MECH B(2018-2019)</p> <p>Achieved 100% Result in Engineering Chemistry for I- ECE A & CSE B (2020-2021)</p> <p>Achieved 100% Result in Environmental Science & Engineering for I-CCE & CSE B (2020-2021)</p> <p>Achieved 100% Result in Principles of Food Preservation for III-CSE(A,B,C) (2020-2021)</p> <p>Achieved 100% Result in Principles of Food Preservation for III-CSE(C,D) (2021-2022)</p> <p>Achieved 100% Result in Waste Water Treatment for IV-IT(A,B,C) (2021-2022)</p> <p>Achieved 100% Result in Environmental Science & Engineering for II-ECE B (2021-2022)</p>
Any Other Information	Registered for PhD during Jan 2021 session and have submitted my thesis.

List of Publications:-

R.Ramakrishnan, P.Wilson, T.Sivakumar, I.Jemina, “A Comparitive study of hydroxyapatites synthesized using various fuels through aqueous and alcohol mediated combustion routes” in Ceramics International ,Volume 39, May 2013, pp 3519-3532.

I Jemina, J Pitchaimani, P Ramesh, N Mani, “Eco-friendly@ one-pot-simultaneous oxygen and chlorine intercalation on graphite surface at low-cost” Materials Letters 362, 136207

I Jemina, N Mani, P Ramesh, N Sudha, “Brominated graphene oxide: A novel synthesis approach for enhanced performance in energy storage applications” Diamond and Related Materials 154, 112135

I Jemina, N Mani, P Ramesh, J Pitchaimani, “Eco-Friendly Approach on One-Step Chloride Decoration over R-Graphene for Supercapacitor Application” ChemistrySelect 10 (4)

List of Patent : NIL

Workshop / Conferences / FDP Attended:-

Workshop:

S.No	Workshop on	Held on Date	Place
1.	Energy Nano Convergence	5-6 Jan 2012	Hindustan University, Chennai.
2.	Functional Coatings: Current trends and frontiers	21 st Feb 2012	VIT-Chennai
3.	Recent Trends in Renewable Energy	31 st March, 2015	Sri Sairam Institute of Technology, Chennai.
4.	Advancements in Chemical Sciences	18 th July 2016	Sri Sairam Institute of Technology, Chennai
5.	Computational Tools In Biomolecular Research	1-3 Feb 2018	Sathyabama Institute Of Science & Technology, Chennai
6.	Indo Sweden Clean Energy Symposium On Materials Energy Harvesting & Storage	21-22 July 2015	Hindustan University, Chennai
7.	Two Days Seminar On Emerging Trends In Materials & Technology	27-28 July 2017	Jeppiaar Engineering College, Chennai
8.	Two Day International Seminar On Sustainable Environment	10-11 December 2018	Crescent Institute of Science & Technology, Chennai
9.	National Workshop On Computational Tools In Biomolecular Research	6-8 Feb 2019	Sathyabama Institute Of Science & Technology, Chennai
10.	Workplace Mental Health and Wellbeing	22.1.2021	SRM Valliammai Engg College
11.	One month online internship in Research Training conducted by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC)	05.07.2021 to 05.08.2021	Online
12.	Webinar On Optical properties of materials	23.5.2023	Saveetha Engineering College
13.	Workshop On Synthesis Of Nanomaterials using Electrochemical methods, characterization and Applications	26.7.2024	Sri Sairam Engineering College

Faculty Development Program:

S.No	FDP on	Held on Date	Place
1.	Environmental Management In Industries	19.6.2014-20.6.2014	Hindustan Institute of Technology and Science, Chennai.
2.	Teaching Excellence in Engineering and Management Curriculum	20 & 21 st July 2016	Sri Sairam Institute of Management Studies, Chennai
3.	Characterisation of Materials	20.7.2017 to 21.7.2017	Sri Sairam Institute of Technology, Chennai
4.	Introduction to Composites	Jan - April 2019	NPTEL - online
5.	Analytical Chemistry	July - October 2019	NPTEL - online
6.	Creating MOOCS	May 6 th 2020	online
7.	Advancements In Material Sciences	5.6.2020 - 6.6.2020	online
8.	Alternate Fuels	1.9.2020-5.9.2020	ATAL FDP - online
9.	Universal Human Values	21 - 25 th September 2020	online
10.	Waste Technology	21.9.2020-25.9.2020	ATAL FDP - online
11.	Current Industrial Practices in Chemical Engineering	7.10.2020-11.10.2020	online
12.	Taking Research to Next Level, organized by Sri Venkateshwara College of Engineering, Bengaluru	26.9.2022 - 30.9.2022	online
13.	Current Scenario in Advanced Materials Research & Nanotechnology organized by Rajapalayam Raju's College	21.11.2022 - 25.11.2022	online
14.	Spectroscopic and Chromatographic Techniques conducted by Sri Vaishnav Institute of Science, Indore	24.4.2023 - 28.4.2023	online
15.	Emerging Innovations In Chemistry and Chemical Technology organized by Arasu Engineering College, Kumbakonam	11.9.2023-16.9.2023	online
16.	Environment and Development	July - Oct 2023	NPTEL - online
17.	Air Pollution and Control	Jan - April 2024	NPTEL - online
18.	Plastic Waste Management	Jan - March 2024	NPTEL - online
19.	Advanced Tools and Techniques for Research	3.6.2024 - 12.6.2024	online

	Methodology organized by Research Foundation of India and RFI-CARE		
20.	Sustainable Engineering Concepts and Life Cycle Analysis	July - Sep 2024	NPTEL - online
21.	Wastewater Treatment and Recycling	July - Oct 2024	NPTEL - online
22.	Applied Environmental Microbiology	Jan - April 2025	NPTEL - online
23.	United Nations Sustainable Development Goals (UN SDGs)	Jan - April 2025	NPTEL - online
24.	Integrated Waste Management for A Smart City	July – Oct 2025	NPTEL - online
25.	Technical Communication for Engineers	July – Aug 2025	NPTEL - online

Conferences:

S.No	Conference on	Held on	Place
1.	Frontiers in Chemical Science	2-4 Oct 2008	Madras Christian College, Chennai
2.	Green Processes & Nanomaterials	January 8-9, 2014	Hindustan Institute of Technology and Science, Chennai.
3.	Green Chemistry and Sustainable Environment	2 nd & 3 rd August 2016	B.S.Abdur Rahman University, Chennai
4.	Materials for Energy and Nano Convergence	4 th -6 th July, 2013	Hindustan Institute of Technology and Science, Chennai.
5.	Advanced materials and its applications	29 th & 30 th January, 2015	Hindustan Institute of Technology and Science, Chennai.
6.	Functional Materials and Its Applications	28 Feb-1st March 2018	Vels Institute Of Technology & Advancement Studies, Chennai

Workshop / Conferences / FDP Organized:- NIL