

CURRICULUM VITAE



Satheesh R

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Research Interest

PhotoCatalysis, Adsorption, Nanomaterial synthesis and Material development for industrial application, developing the sensor for biomaterials..

Research & Working Experience

- June 2019 – Till date : Assistant Professor of Chemistry, Mannar Thirumalai Naicker College, Madurai-625 004.
- July 2010 – April 2018 : Assistant Professor, Department of Chemistry, Sethu Institute of Technology, Pulloor, Kariapatti-626115.
- February 2010 – February 2018 : Research Scholar under the guidance of **Dr. M. Rajarajan**, Associate Professor of Chemistry, CPA College, Bodinaickanur-625009 and **Dr.A. Suganthi**, Associate Professor of Chemistry, Thiagarajar College, Madurai-625009
- August 2003 – June 2010 : Lecturer in Chemistry, NMSSVN College, Nagamalai, Madurai-625 019.

Skills

- Electrochemical sensor
 - Adsorption of environmental hazardous compounds
 - Development of fluorophores
 - Interpreting XRD, XPS, FESEM, HRTEM and TGA.
 - Handling of UV-Vis, FT-IR, Fluorescence spectrophotometer
 - Handling of CHI electrochemical workstation
 - Writing original manuscript and reviewing the manuscript for publishing.
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Education

Ph. D. (Chemistry)	: Awarded (Viva-voce Exam completed at 26.02.2018) Madurai Kamaraj University, Tamilnadu, India.
M. Phil (Chemistry)	: 2004-2006, ANJA College, Sivakasi Madurai Kamaraj University, Tamilnadu India.
M. Sc. (Chemistry)	: 2000-2002 NMSSVN College, Nagamalai Madurai Kamaraj University, Tamilnadu India.
B. Sc. (Chemistry)	: 1997-2000 SBK College, Aruppukottai Madurai Kamaraj University, Tamilnadu, India.

Research Topics

Ph. D. research title	:Synthesis, characterization and applications of surface modified Iron oxide nanoparticles.
M. Phil. research title	:EDTA assisted removal of Bismuth ion from waste water using Commercial Activated Carbon.

Publications

- 1) R Sivakumar, R Satheesh, A Manivel, D Contreras, M Paulraj, Synthesis and Photophysical Properties of Bipolar Compound: Triphenylamine/Diazafluorene-Carbazole, *Journal of Fluorescence*, 2024, 1-12.
 - 2) **R. Satheesh, K. Vignesh, A. Suganthi**, M. Rajarajan, Exploration of Ag decoration and Bi doping on the photocatalytic activity α -Fe₂O₃ under simulated solar light irradiation, *The Canadian Journal of Chemical Engineering*. 2018, 96, 1713-1722.
 - 3) **R. Satheesh, K. Vignesh, A. Suganthi**, M. Rajarajan, Fe₃O₄-Ag₂WO₄: facile synthesis, characterization and visible light assisted photocatalytic activity, *New Journal of Chemistry* 2017, 41, 11722-11730.
 - 4) **R Satheesh, K Vignesh, M Rajarajan, A Suganthi, S Sreekantan, M Kang**, Removal of congo red from water using quercetin modified α -Fe₂O₃ nanoparticles as effective nanoadsorbent, *Materials Chemistry and Physics*. 2016, 180, 53-65.
 - 5) **R. Satheesh, K. Vignesh, A. Suganthi**, M. Rajarajan Visible light responsive photocatalytic applications of transition metal (M = Cu, Ni and Co) doped α -Fe₂O₃ nanoparticles, *Journal of Environmental Chemical Engineering* 2014, 2, 1956–1968.
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Programmes organized

- 1) **Served as a Programme Coordinator and** conducted a Workshop on “Preparation Of Cleansing Agents” at Mannar Thirumalai Naicker College on 27.12.24
- 2) **Served as a Programme Coordinator and** conducted a Workshop on “Chemistry in Every day Life” at Mannar Thirumalai Naicker College on 08.4.22
- 3) **Acted as one of the Co-Convenors in** “International Conference On Frontiers in Chemistry and Material Science” **which** was organized on 21 & 22 December,2021 at Mannar Thirumalai Naicker College.

Short Term Courses and NPTEL Courses Completed

S. No	Name of the Professional Development Programme	Date and No.of Days	Name and address of the Institution imparting training
1	Fundamentals of Statistical Thermodynamics	Jul-Oct 2023	NPTEL-AICTE
2	Coordination Chemistry(Chemistry of Transition Elements)	Jan-Apr 2023	NPTEL-AICTE
3	Analytical Chemistry	Jul-Oct 2022	NPTEL-AICTE
4	Symmetry and Group Theory	Jan-Apr 2022	NPTEL-AICTE
5	Refreshing Concepts of a –Classical Thermodynamics numerical approach	13.08.2020 & 14.08.2020	Ethiraj College, Chennai
6	A Virtual Connect With Group Theory (short term course)	21.05.20 to 31.05.29 and 10 days	D.G. Vaishnav College, Chennai

Workshop and Faculty Development Program (FDP) attended

- Has attended and presented a paper in the One-Day International Conference on Emerging Trends in Materials Science on 23.2.24 at Saraswathi Narayanan College, Madurai.
- Has actively participated in the “A three day Online workshop on Recend trends in Crystal Growth Technology”Organized by the Department of Chemistry, Sathya Bama University, Chennai during 8-10 February,2024.

- Has participated in the “Chemistry Beyond Borders-A Global Webinar series”Organized by the Department of Chemistry, SRM Institute of Science and Technology, Chennai during 18-12-23 to 23.12.23.
- Has participated in the one day seminar on“Energy resources for Environmental remediation”Organized by the Department Of Chemistry, School of Advanced sciences,Kalasalingam Academy of Research and Education, Krishnan Koil during 2.12.2023.
- Has participated in the International conference on “Functional Nanomaterials and Nano Devices”Organized by the Chettinadu Academy of Research and Education, Kelambakkam, Chennai during 26.9.2023
- Participated in the state level FDP “Dynamics of Research Publications” held from 15.09.22 to 16.09.23 at Mannar Thirumalai Naicker College, Madurai
- Participated in the National Level one week FDP on“ Research Consultancy a Methodology” held from 24.06.23 to 29.06.23 at Nagpur.
- Participated in the state level FDP “Consultancy and corporate training” held on 17.6. 23 at Mannar Thirumalai Naicker College, Madurai
- Participated in the state level one week Workshop “ality by Unearthing Enhancing Qu innovative Practices” held from 18.04.2022 to 24.04.2022 at Mannar Thirumalai Naicker College, Madurai.
- Participated in the National level workshop on “Innovation, Start-up and Technology” held on 24.01.2022 to 29.01.2022 at NIT, Trichy
- Participated in the Twoday National level webinar on “Green Chemistry for Sustainable Future” organized by J.M. Patel college, Bandara held on 21.01.22 & 22.01.22
- participated in the International webinar on “Chemistry”Organized by the American College, Madurai during 29.05.2020
- Participated in the International live Webinar on “Metal free photocatalysts for enhancing environment” held on 29.05.2020 at Thiagarajar College, Madurai.
- Participated in the International webinar on “Chemistry”Organized by the American College, Madurai during 29.05.2020
- Participated in the UGC sponsored National conference in “Emerging Trends in Chemistry” Organized by CPA college, Bodi during 18.9.14 & 19.9.14.

- Participated in the UGC sponsored International conference in “AMPD-2013” Organized by Madurai Kamaraj University, Bodi during 15.7.13 & 16.7.13.

Personal Details

Name : Dr. R. Satheesh
Father Name : A. Rajamohan
Sex : Male
Date of birth : 24.03.1980
Nationality : Indian
Marital status : Married
Languages Known : English and Tamil
Permanent Address : 4, Sakthi Street, Maruthupandian nagar 4th ST, Annupanadi,
Madurai-625 009.
Mobile No : 9843850175

DECLARATION

I hereby declare that the above information is factually correct to the best of my Knowledge and belief.

Date : 15/06/2024

Place : Madurai.



(Dr. R. Satheesh)