

**Name:** Dr. A. Rajan

**Designation:** Assistant professor

**Department:** Chemistry (SF)

**Date of Joining:** 12-08-2022

**Phone with Extn. No:** 9952347050

**Email:** rajan050222@gmail.com



**Educational Qualification:**

Degree	Subject	College / University & Place	Year Completed
B.Sc	Chemistry	S.B.K. College, Aruppukottai.	2008
M.Sc	Chemistry	NMS. S.V.N. College, Madurai.	2011
B.Ed	Physical education	NMS. S.V.N College of Education	2012
M.Phil	Chemistry	Maduri Kamaraj University, Madurai.	2013
Ph.D	Chemistry	Thiagarajar College, Madurai.	2018

**Specialisation in Teaching:** Organic Chemistry, Inorganic Chemistry

**Specialisation in Research:** Synthetic Organic Chemistry

**Research Interests:** Synthesis of Heterocyclic compounds and Characterization, Nano Particle synthesis

**Work Experience:**

Designation	Institution / Company	Year - From (month/year) To (month/year)
Assistant professor	The American college	12-08-2022 to Till date
Assistant professor	TKS College of Arts and Science, Theni	11th June 2018 to 18th December 2020
Assistant professor	SVN college, Madurai	3rd March 2021 to 11th August 2022

**Publications:** 7

### Articles Published in International Journals:

- 1 A novel and convenient oxidation-controlled procedure for the synthesis of oxazolines from TosMIC and aldehydes in water- Anti biofilm activity  
*Arabian journal of Chemistry*, 13(1), 2020, 2153-2161.  
DOI: 10.1016/j.arabjc.2018. 03.022. **IF-6.212**
- 2 A sustainable process for gram-scale synthesis of stereoselective aryl substituted (E)-2-thiocyanatoacrylic acids, *Journal of Chemical Sciences*, 130 (2018) 1-9  
DOI: 10.1007/s12039-017-1412-1., **IF-2.150**
- 3 Simple synthesis of hydrazones with quorum quenching activity at room temperature in Water, *Environmental Chemistry Letters*, 16 (2018) 1063-1067.  
DOI: 10.1007/s10311-018-0720-0. **IF-13.615**
- 4 A novel series of N-acyl substituted indole-linked benzimidazoles and naphthoimidazoles as potential anti inflammatory, anti biofilm and anti microbial agents  
*Microbial Pathogenesis*, 114 (2018) 409-413.  
DOI: 10.1016/j.micpath.2017.12.021. **IF-3.848**
- 5 Nanosilver for selective and sensitive sensing of saturnism, *Sensors and Actuators B: Chemical*, 241 (2017) 814-820. DOI: 10.1016/j.snb.201, **IF-9.221**
- 6 A Novel substrate controlled chemoselective synthesis of aryl bis (thiazole-2-imine)methanes from 2-aminothiazoles and aldehydes,  
*Tetrahedron Letters*, 58 (2017) 3057-3063. Cover page article.  
DOI: 10.1016/j.tetlet.2017.06.068. **IF-2.032**
- 7 Green synthesized silver nanoparticles decorated on reduced graphene oxide for enhanced electrochemical sensing of nitrobenzene in waste water samples.  
*RSC Advances*, 5 (2015) 31139-31146.  
DOI: 10.1039/C5RA00992H, **IF-4.036**

### Conference Presentations:

1. Presented a paper entitled Ultrafast Synthesis of Hydrazones from Aldehydes and Benzohydrazides In/On Water with Applications in Anti inflammatory and Quorum quenching activity in UGC - Sponsored National seminar on RECENT ADVANCES IN CHEMICAL RESEARCH (RACR-2017) organized by VHNSN College, Virudhunagar held on 24<sup>th</sup> & 25<sup>th</sup> January 2017.
2. Presented a paper entitled Synthesis and biological evaluation of novel N-acyl substituted indole-linked benzimidazoles and Naphthoimidazoles in DST-SERB Sponsored INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS (ICFM) organized by Department of Chemistry, Thiagarajar College, Madurai-09 held on 7<sup>th</sup> & 8<sup>th</sup> September 2017.

3. Presented a paper entitled Synthesis of phenyl-2-thiocyanatoacrylic acid derivatives in the international Conference on FRONTIER AREAS IN CHEMICAL TECHNOLOGIES-2016 (FACTs- 2016) organized by the departments of Industrial Chemistry, Nanoscience & Technology and Bioelectronics & Biosensor, Alagappa University, Karaikudi held on 21<sup>st</sup> to 23<sup>rd</sup> March 2016.

#### LIST OF WORKSHOP/CONFERENCES/SEMINARS PARTICIPATED

1. Participated in the **“Workshop on Green Chemistry”** organized by the PG & Research Department of Chemistry, The American College, Madurai held on 23 & 24<sup>th</sup> January 2024.
2. Participated in **International conference on “Advances in Chemistry-(ICAC-2023)”** organized by the PG & Research Department of Chemistry, The American College, Madurai held on 4 & 5 December 2023.
3. Participated in the One Day **National symposium on “Recent Trends in Chemistry-2023”** organized by 17 & 18 PGC Series, PG & Research Department of Chemistry The American College, Madurai held on 3<sup>rd</sup> March 2023
4. Participated in the One Day **International seminar on Emerging trends in Chemistry & Energy Science** organized by PG & Research Department of Chemistry Saraswathi Narayanan College, Madurai held on 7<sup>th</sup> February 2020.
5. Participated in the One Day **Workshop on Intellectual Property Rights and Innovation** (UGC Autonomy Grant), organized by Thiagarajar College, Madurai-09 held on 14<sup>th</sup> Mar 2017.
6. Participated in the **National Conference on Recent Developments in Chemistry (RDC-15)**, organized by Department of Chemistry, S.B.K. College, Aruppukottai-01, held on 13<sup>th</sup> & 14<sup>th</sup> February 2015.
7. Participated in the UGC Sponsored National Conference on **Frontier Areas in Chemistry (FAC-2015)**, organized by Department of Chemistry, Thiagarajar College, Madurai in Association with School of Chemistry, Madurai Kamaraj University held on 26<sup>th</sup> & 27<sup>th</sup> February 2015.
8. Participated in the DST & UGC Sponsored National seminar on Emerging Trends in Chemistry (ETC-05, 2014) held on September 18-19, 2014 at the PG and Research Department of Chemistry, Cardamom Planters’ Association College, Bodinayakanur, Theni.

9. Participated in the UGC-FIST Sponsored National Conference **Modern Trends in Chemical Sciences**, organized by VHNSN College, Virudhunagar held on 18<sup>th</sup> & 19<sup>th</sup> July 2014.

## LIST OF WEBINARS

1. Participated in National Webinar on “**Steps and Strategies to Vanquish CSIR-NET Examinations**” organized by NMS.S.V.N College, Madurai held on 29-03-2021.
2. Participated in International Webinar on “**Nanoscale Materials with different dimensions for advanced Applications**” organized by Mannar Thirumalai Naicker College held on 03-06-2020 and 04-06-2020.
3. Participated in International Webinar on “**Advanced Materials for Biomedical, Energy & Environmental Applications**” organized by PSG College of Arts & Science held on 16-06-2020.

### Overseas Academic Visits:

1. Visited at **Central University of Hyderabad, School of Chemistry** by UGC-Networking Resource Centre on “Synthesis and characterization of Oxazolines and their Oxazole derivatives” under the supervision of Dr. M. Sathiyendiran from **1<sup>st</sup> July to 27<sup>th</sup> December 2015**.
2. Visited at **Central University of Hyderabad, School of Chemistry** by UGC-Networking Resource Centre on “Synthesis and characterization of 2-(amino)-6H-1,3,4-thiadiazine-5-ol derivatives” under the supervision of Dr. M. Sathiyendiran from **17<sup>th</sup> October to 15<sup>th</sup> December 2016**.

### Personal Detail

Father's Name – A. Abraham

Mother's Name - A. Arul mary

Religion – Christian (CSI)

Blood Group – AB<sup>+VE</sup>

Date of Birth – 15-10-1987

Marital status – married