

PROFILE



Name : Dr. A.KAMARAJ
Department : CHEMISTRY
Designation : ASSISTANT PROFESSOR
Qualification : M.Sc., M.Phil., B.Ed., Ph.D.,
Phone : 9715639355
Experience : 09 Years 06 Months
Area of Specialization(s) : Organic Chemistry, Analytical Chemistry, Spectroscopy
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Academic Qualifications

Degree	Branch	Institution/ University Name	Year of Graduation
Ph.D.	CHEMISTRY	Annamalai University, Chidambaram	14.09.2015
M.Phil.	CHEMISTRY	Annamalai University, Chidambaram	2010
PG	CHEMISTRY	Department of Chemistry Annamalai University, Chidambaram	2007
UG	CHEMISTRY	Government Arts College, Salem - 7	2004
B.Ed	Eng & Physical Science	Annamalai University, Chidambaram	2007

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	01	Nil
M. Phil.	10	Nil

Research Publications (Indexed)

1. **A. Kamaraj**, R. Rajkumar and K. Krishnasamy, Synthesis, spectral, structural and biological studies of *N*-cyclohexyl-2-(2,4-diphenyl-3-azabicyclo[3.3.1]nonan-9-ylidene)hydrazinecarbothioamide derivatives, Journal of Molecular Structure, (2015).
2. **A. Kamaraj**, S. Ranjith, R. Rajkumar, G. Mohanraj and K. Krishnasamy, Crystal Structure of 1-cyclopropanecarbonyl-3-methyl-2,6-di-*p*-tolylpiperidin-4-one, Acta Cryst. (2014) E70.
3. **A. Kamaraj**, R. Rajkumar, K. Krishnasamy and S. Murugavel, Crystal structure of methyl 2-[2,4-bis(4-fluorophenyl)-3-azabicyclo[3.3.1]nonan-9-ylidene]hydrazine carboxylate, Acta Cryst. (2014) E70, 145-147.
4. R. Rajkumar, **A. Kamaraj** and K. Krishnasamy, S. Baranidharan and H. Saleem, Synthesis, Spectral characterization, Single crystal X-ray diffraction and DFT studies of 4-((2,4,5-triphenyl-1H-imidazol-1-yl)methyl)pyridine derivatives, Journal of Molecular Structure, (2014).
5. R. Rajkumar, **A. Kamaraj** and K. Krishnasamy, Synthesis, spectral characterization and biological evaluation of novel 1-(2-(4,5-dimethyl-2-phenyl-1H-imidazol-1-yl)ethyl)piperazine derivatives, Journal of Saudi Chemical Society (2014) 18, 735–743 (2014) 18, 735–743.
6. R. Rajkumar, **A. Kamaraj**, S. Bharanidharan, H. Saleem and K. Krishnasamy, Synthesis, spectral characterization, single crystal X-ray diffraction and DFT studies of 4-((2,4,5-triphenyl-1H-imidazol-1-yl)methyl)pyridine derivatives, Journal of Molecular Structure, (2015) 1084, 74-81.
7. J. John Francis Xavier, R. Venkateswaramoorthi, **A. Kamaraj** and K. Krishnasamy, Synthesis, NMR spectral studies and antimicrobial evaluation of some 2-(benzothiazol-2-yl)-1-(alkyl-2*r*,6*c*-diarylpiperidin-4-ylidene)hydrazine derivatives, Medicinal Chemistry Research (2013).
8. D. Rajaraman, G. Sundararajan, **A. Kamaraj**, H. Saleem, K. Krishnasamy, Synthesis, computational and spectroscopic analysis on (*E*)-(4-(2-(benzo[d]thiazol-2-yl)hydrazono)-3-methyl-2,6-diphenylpiperidine-1-yl)(phenyl)methanone using DFT approach. 151 (2015) 480–489.
9. C. SANTHA, S. SATHISHKUMAR, S. SIVAKUMAR, C. SRIDEVI and **A. KAMARAJ**^{*} Osteogenic Differentiation, Antibacterial Activity and Biocompatibility of Zinc Oxide Minerals Substituted Hydroxyapatite Composite Coating on Titanium Alloy for Electrodeposition Technique, Asian Journal of Chemistry; Vol. 32, No. 10 (2020), 2633-2638
10. C. SANTHA, S. SATHISHKUMAR, S. SIVAKUMAR, C. SRIDEVI and **A. KAMARAJ**^{*} Cerium and Lanthanum Substituted Calcium Phosphate Coating On Titanium Alloy For Electrodeposition Method: Improvement Of Antibacterial And Bioactive Properties, International Journal of Biology, Pharmacy and Allied Science (IJBPAS), Vol.9, No. 1(2873-), 2633-2886.

Books/Reports/Chapters/General articles etc.

S. No	Title	Author's Name	Publisher	Year of Publication
01	A Textbook Of Practical Chemistry For M.Sc.	Dr. A. Kamaraj	Salem Magilam Tamil Sangam	2023

Awards / Others

The Best Teacher Award on 2021. In Mahakavi Bharathi Vizha held at Bharathiya Vidhya Bhavan, Chennai Kendra, Mylapore, Chennai.

Presentations in Conference

1. Poster Presented in the International Conference on Molecular Spectroscopy of Advanced Materials and Biomolecules (IMSAB-2012) held at the Bishop Moore College, Mavelikara, Kerala (Aug, 7-9, 2012).
2. Presented Paper in the National Conference on Materials Science (MATS-2009) held at Annamalai University, Chidambaram (October, 9 & 10, 2009).

Participation in Seminar

1. Presented Paper in the 10 th Seminar held on Manonmanium Sundaranar University, Thirunalveli (May, 21-23, 2010).
2. Participated in National Seminar on Recent Trends in Synthetic Methods and Chemistry of Natural Products (**SMNP-2011**) Organized by Department of Chemistry held at Annamalai University, Chidambaram (Oct, 14th and 15th, 2011).
3. Participated a Research Paper in National Seminar on Chemistry of Nanomaterials and Molecular Dynamics (CNMD-2010) held on **30-31.12.2010** at Annamalai University, Chidambaram (December, 30th and 31st, 2010)
4. Participated in National Seminar on Novel Synthetic and Computational Strategies in Chemical Sciences (SCCS-2011) Organized by Department of Chemistry, Annamalai University, Chidambaram (Oct 14th and 15th, 2011)
5. Participated in the National Seminar on New Vistas in Catalysis and Surface Science (NVCSS) held at Annamalai University, Chidambaram (March 16th & 17th 2012).
6. Poster Presented in the State Level Seminar on Recent Trends in Chemistry (RTC-2012) Organized by PG and Research Department of Chemistry, Government Arts College, Chidambaram (September-13th and 14th, 2012).
7. Participated in National Seminar on 'Chemistry-Our Life, 'Our Future' organized by Department of Chemistry, Kanchi Mamunivar Centre, Puduchery, (November-20, 2011).

Participation in Workshop

1. National Level Workshop on Nano & Green Technology held on 05.10.2016 at AVS College of Technology, Salem. (Participated)

Participation in Faculty Development Programme

1. FDP Participated on Recent Trends on Research and Development in Chemistry on **31.10.2022-07.11.2022** J. K.K. Nataraja College of Arts Science, Kumarapalayam

Conference / Seminar / Workshop Organized

- **Conferences**

1. International Conference on Recent Trends in Synthetic Methods in Chemistry held on 08.02.2016 at AVS College of Arts & Science, Salem.
2. National Conference on Novel Advanced Applications in Chemistry held on 29.12.2017 at Sri Vijay Vidyalaya College of Arts & Science.
3. International Conference on Futuristic And Sustainable Materials In Energy And Environmental Technologies.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

One Day Lecture Workshop on "INSTRUMENTAL METHODS IN CHEMISTRY at
vellalar college of Arts and Science for women

Others

One day Training Programme on URKUND: Plagiarism Detection Software for Research Supervisors held on 09.08.2016 at Periyar University, Salem. (Participated)