DR. B. VINOSHA

Designation : Assistant Professor

Department : Chemistry

Email ID : b.vinosha@gmail.com

Languages Proficiency

Read : Tamil & English

Write : Tamil & English

Speak : Tamil, English & Japanese

1. QUALIFICATION

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	Chemistry	Fatima College, Madurai	2004
2.	PG	Chemistry	Thiagarajar College, Madurai	2006
3.	M.Phil.	Chemistry	Madurai Kamaraj University, Madurai	2007
4.	Ph.D.	Synthetic Organic Chemistry	Madurai Kamaraj University, Madurai	2011
5.	Certificate	Basic Japanese	Fatima College	2017
6.	SET/NET	Chemistry	Mother Teresa University, Kodaikanal	2016
7.	Other *(Additional Certification)*	ILFS	Fatima College	2016

2. TEACHING EXPERIENCE / OTHER EXPERIENCE

S. No.	Institution / Organization	From - To
1.	Project Fellow in the UGC Sponsored Major Research Project on "Environment Friendly Synthesis of Novel Heterocycles", Fatima College (Autonomous), Madurai	2006 - 2009
2.	Assistant Professor, Dhaya College of Engineering, Madurai	June 2011- November 2011
3.	Assistant Professor, Fatima College (Autonomous), Madurai	02.01.2012 – June 2013
4.	Assistant Professor, Fatima College (Autonomous), Madurai	17.06.2013- Till Date1

3. POSITION HELD IN FATIMA (VICE PRINCIPAL, HOD, DEAN, COORDINATOR, MEMBER ETC.)

S. No.	Name of the Position	From - To
1.	NSS Programme Officer	2013 - 2017

S. No.	Name of the Position	From - To
2.	RRC Incharge Officer	2013 - 2014
3.	NSS Coordinator	2017 - 2018
4.	Executive Member, Rosa (Reach Out to Society Through Action)	2018-2022
5.	Assistant Coordinator, Rosa, (Reach Out to Society Through Action)	2022-2023
6.	Extended Committee Member, Alumnae Association (FCAA)	2019 - 2022
7.	Vice President- Alumnae Association (FCAA)	2022- 2025
8.	AQAR -Criterion -5 – Team Member	2023-Till Date
9.	NSS Coordinator	2024- Till Date

4. Achievements

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	Best Social Worker	Social Work - NSS	Humanity Protection Organisation	Jan. 21, 2017

5. Areas of Specialization

- **Synthetic Organic Chemistry**
- **Nanomaterial Synthesis**

6. Research Guides/Guidance Details

Research Details

S. No.	Name of the University in which Recognized as Guide	Registration Number	Date of Guideship Received	Ph.D. Guideship Details			
				Ongoing		Completed	
				Full Time	Part Time	Full Time	Part Time
1.	Madurai Kamaraj University	1717	07.11.2017	-	-	-	-

7. Fellowship Received

- Awarded A Senior Research Fellowship (SRF) by Council of Scientific and Industrial Research (CSIR), Government of India (From May 2009 to March 2011).

8. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Faculty Induction Programme	Capacity Building	Fatima Resource Centre, Fatima College, Madurai	Nov. 04 - 11, 2016

S. No.	Programme	Theme	Organized by	Date
2.	Faculty Orientation Programme	Teaching & Learning	Human Resource Development, Madurai Kamaraj University, Madurai	Aug. 30 - Sep. 28, 2017
3.	Refresher Course	Teaching & Learning	Human Resource Development, Madurai Kamaraj University, Madurai	Nov. 16 - Dec. 06, 2018
4.	Annual Refresher Course	Chemistry For Higher Education	Arpit, MHRD	Sep. 01 - Dec. 12, 2019
5.	Faculty Development Programme	Introduction to Animation, Creation of Animated Objects and Characters, Creation of Interactive Animation and Evaluation	Universal Teachers' Academy, Puducherry	May 14 - 18, 2020
6.	Faculty Development Programme	G Chem Paint	D.K.M. College for Women, Vellore	May 2020
7.	Faculty Development Programme	Libre Office	D.K.M. College for Women	May 2020
8.	Faculty Development Programme	Advanced Molecular Chemistry	Arulmigu Palaniandavar Arts College, Palani	June 01 - 03, 2020
9.	Faculty Development Programme	Open-Source Tools for Research	Teaching Learning Centre, Ramanujam College	June 08 - 14, 2020
10.	Faculty Development Programme	Sustainable Novel Nanomaterials and It's Applications	Sri Meenakshi Govt. Arts College for Women	July 15 - 18, 2020
11.	Faculty Development Programme	Teaching & Learning	Human Resource Development, Madurai Kamaraj University, Madurai	
12.	National One Week Faculty Development Programme (Online)	Carbon Capture and Storage	Central University of Tamil Nadu	
13.	Faculty Development Programme	Teaching & Learning	Teaching Learning Centre Ramanujan College, University of Delhi	January 2023

9. Paper Presented on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
1.	National Conference on "Recent Trends in Chemistry"	Dept. of Chemistry, J.A.P College, Peria Kulam	Sep. 26 & 27, 2006	Microwave Assisted Solvent Free Synthesis of 1-Aryl-2-[2,3,5-Triaryl3h-Pyrrol-3-Yl]-1- Ethanone
2.	National Conference on "Emerging Trends in Chemistry"	Dept. of Chemistry, C.P.A. College, Bodi	July 24 & 25, 2008	Synthesis and Stereochemistry of 2,6- Diaroyl-3,5-Diaryl-4- Cyano-4-Ethoxycarbnonylthianes
3.	International Conference on "Frontier in Chemical Sciences"	Dept. of Chemistry, Madras Christian College	Oct. 02 - 04, 2008	A Diastereoselective Synthesis of Multisubstituted Thianes
4.	National Seminar on "Recent Advances in Applications of Spectroscopy"	Dept. of Chemistry, Fatima College	Aug. 25 & 26, 2011	Microwave Mediated Stereoselectivity Enhancement in the Synthesis of Novel Multisubstituted Thaianes

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
5.	International Conference on "Emerging Frontiers and Challenges in Chemistry"	Dept of Chemistry, All Saints College, Kerala	Feb. 17 & 18 2014	Facile Stereoselective Assembly of Highly Functionalized Bis-(Trans-2,3- Dydrofuranyl) Sulfides
6.	National Conference on "Advanced Materials"	Periyar University, Salem	Feb. 25 & 26 2016	Syntheis Nad Characterization of Dhb/Csa Application to Biological Sensor
7.	National Conference on "Recent Advances in Chemistry Research and Its Applications"	St. Joseph's College, Trichy	Jan. 19, 2017	Expedient Method for Fabrication of Dye Sensitized Solar Cells (Dssc's) with Metal Sulphide Counter Electrodes
8.	International Conference on "Advancements and Challenges in Chemical Sciences"	Pachaiyappa's College, Chennai	Feb 02 & 03, 2018	An Expedient One Pot Catalyst Free Synthesis of 2-Amino-6-Morphilino-4- Tolylquinoline-3-Carbonitrile
9.				A Facile Pseudo for Component Synthesis of Novel Multifunctional Thianes
10.	International Webinar on Recent Trends in Chemistry	Jayaraj Annapackiam College for Women, Periyakulam	Sep. 19, 2023	-
11.	18th South Asian Conference on Solid Stete Ionics	Meenakshi College for Women, Chennai	Feb. 19 - 22, 2024	-
12.	International Conference on Expanding Frontiers in Chemistry	Arul Anandar College	Feb. 14, 2025	
13.	International Conference on Trends in Bioinorganic and Organo Metallic Chemistry	Bharadhidhasan University	Jan. 03 & 04, 2025	-
14.	International Conference on Biologically Active Molecules	Saraswathi Narayanan College	Mar. 07, 2025	-

10. Participated on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date
1.	National Seminar on "One-and Two-Dimensional Nmr Spectroscopy - Theory and Applications"	Madurai Kamaraj University	Feb. 2007
2.	4th J-Nost Conference for Research Scholars	School of Chemistry, M.K. University	Dec. 2009
3.	Workshop on "Patent Awareness Program"	School of Chemistry, M.K. University	2009
4.	International Conference on "Solutions to Ecological Challenges"	Fatima College, Madurai	Dec. 11 - 13, 2014
5.	International Seminar on "Chem Bio- Nutraceuticals"	Dept. of Chemistry, Zoology and Home Science, Fatima College	Dec. 04, 2015
6.	Workshop on "Intellectual Property Rights"	Fatima College, Madurai	Dec. 10, 2016
7.	National Seminar on "Nurturing Academic Integrity: Consistency and Transparency in Academia"	Fatima College, Madurai	Sep. 17, 2018

S. No.	Programme & Theme	Organized by	Date
8.	International Conference on “Frontier Areas in Chemistry”	The American College, Madurai	July 05, 2019
9.	International Webinar on Chemistry “International Webinar on Chemistry”	The American College, Madurai	May 29, 2020
10.	International Webinar on “The Impact of Research Data and Metrics”	Skyline University, UAE	Apr. 21, 2020
11.	International Webinar on “Teacher to Educational Leader”	Colombo Plan Staff College, Philippines	Apr. 23, 2020
12.	International Webinar on “A Systematic Approach Towards Molecular Docking and Drug Design”	SRM University, Madurai	May 15, 2020
13.	International Virtual Conference on Recent Trends in Physics (ICRTP 2023)	Jayaraj Annapackiam College for Women, Periyakulam	Mar. 16 & 17, 2023
14.	Interdisciplinary Online Workshop on Advance Teaching, Learning, Research Methodologies and Innovations	St. Francis De Sales College, Nagpur	June 01 - 05, 2021
15.	One Day International Webinar on Basic Sciences of MRI Contrast Agents	TBML College, Porayar	June 12, 2021
16.	Workshop Cum Faculty Development Programme on Intellectual Property Rights	The New College, Chennai	June 14 - 18, 2021
17.	National Webinar on Solving Challenging Problems in Chemistry using Computational Chemistry and Machine Learning	The American College, Madurai	June 14, 2021
18.	International Webinar on Recent Advances in Emerging 3D Nanomaterials for Real-World Energy Technologies	Tranquebar Bishop Manickam Lutheran College, Trichy	June 26, 2021
19.	International E-Conference on Recent Advances in Chemical, Physical and Biological Sciences	TIFR, Mumbai	June 29 & 30, 2021
20.	Workshop on Application of Nanoscience in Multidisciplinary Fields (IWANS-2022)”	Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur	Mar. 07 - 11, 2022
21.	In-Service Teacher Training Programme in Physical Sciences	Sri Meenakshi College for Women	May 05 & 06, 2022
22.	Green Activities on Campus at Mahatma Gandhi National Council of Rural Education	Gandhigram Rural Institute, Dindigul	June 20, 2022
23.	Recent Advances in Chemical Sciences	Mohammed Sathak Aj College of Engineering	Aug. 14 - 18, 2023
24.	Artificial Intelligence in Chemistry: Current Trends and Future Perspectives (Aicctfp-2023)	Holy Cross College, Trichy	Sep. 04 - 09, 2023
25.	Webinor on Functional Nanomaterials and Nano Devices	Chettinad Academy of Sciences	Sep. 26, 2023

11. Articles Published in Journals/Proceedings/Magazines/Books

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
1.	Tetrahedron	A Novel Four Component Tandem Protocol for the Synthesis of Highly Functionalised Thiazoles	2007	63		10054-10058	0040-4020	Elsevier, Usa

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
2.	Phosphorus, Sulfur and Silicon	A Diastereoselective Synthesis of Novel Multifunctional Thianes	2009	184		2980-2988	1042-6507	Taylor & Francis, Usa
3.	Synth. Commun.	Novel Domino Reactions of 2,2'- Thiobis-(1,3-Diaryl-Prop-2-En-1-Ones) with Acetyl Acetone and Ethyl Acetoacetate: Stereoselective Synthesis of Highly Functionalised Dihyidrofurans	2009	39		2766-2788	0039-7911	Taylor & Francis, Usa
4.	Tetrahedron Letters	A Facile Domino Protocol for the Stereoselective Synthesis of Trans- 2,3-Dihydrobenzofurans and Cis- 5,6-Dihydrofuro[2,3-D]Pyrimidines	2012	53		8	0040-4039	Elsevier, Usa
5.	Tetrahedron Letters	Facile Domino Reactions for the Stereoselective Assembly of Highly Functionalized Bis-(Trans-2,3-Dihydrofuranyl) Sulfides	2013	54		2837 - 2840	0040-4039	Elsevier, Usa
6.	Synthetic Communications	Stereoselective Synthesis of Polyfunctionalized Nitrothianes: Enhancement of Stereoselectivity by Micro Waves	Apr. 2013	43		1964 - 1973	0039-7911	Taylor & Francis, Usa
7.	Indian Journal of Applied Research	Studies on Antiamino Pyrine Subtituted Moiety with Notable Nlo Property	Oct. 2015	10		-	2249-555x	IJAR, India
8.	The International Journal of Analytical and Experimental Modal Analysis	Study on Antibacterial Inactivation of Ag-Zno/Pva Nanocomposites by Solgel Method	2019	11		499 - 507	0886-9367	Springer International Publishing
9.		An Expedient One-Pot, Catalyst Free Synthesis of Substituted 2- Amino-6-Morpholino-4-Arylquinoline-3-Carbonitrile	2019	11		492 - 498		The International Journal of Analytical and Experimental Modal Analysis
10.	Infokara Research	Toxicity of Tio/Pva Nanoparticles Towards Gram-Positive Bacteria	2019	8 (8)		177 - 184	1021-9056	Centre De Documentation Du Fonds Wilmers
11.	International Journal of Multidisciplinary Research	Enhanced Photodynamic Inactivation of Green Synthesised Zinc Oxide Nanoparticles from Morinda Tinctoria Roxb.	2024	13		33-46	2277-7881	Sucharitha Publication, India

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
		and It's Significance of Antimicrobial and Anticancer Studies						

12. Endowment Lectures Delivered

S. No.	Institution	Name of The Endowment	Theme/Title	Date
1.	Agricultural University, Madurai	-	Fragrance and Flavour Compounds and Biochemical Pathways for the Production of Volatile Compounds	Jan. 25, 2019
2.	Agricultural University, Madurai	-	Chemical Structure and Distribution of Flavour Compounds	Jan. 25, 2019
3.	NSS	-	Community Based Initiative on Drug Prevention and Awareness	Jan. 30, 2025

13. Projects Undertaken

S. No.	Title of Project	Position	Sponsored By	Date & Year	Sanctioned Amount
1.	Design and Synthesis of Fused Arylhybrids Via Greener Routes	Principal Investigator	UGC	October 2016	Rs.2,20,000