

CURRICULUM VITAE

Dr. M. Velayutham Pillai

Assistant Professor

Post Graduate Department of Chemistry

NGM College

Pollachi - PIN: 642 005

Coimbatore District, Tamil Nadu

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SUMMARY

Academic Qualifications:	B.Sc., M.Sc., M.Phil., Ph.D.	
Professional Competency	TNSET (Roll No. TNS190401412339)	
Professional Experience:	Academic - 14 Yrs	
	Industrial – 2Yrs	
	Others -3 Yrs	
Roles in work:	Teaching; Research; Administrative	
Research Domain:	Organic Chemistry	
Research Profile:	No. of Publications - 34	
	Total Citations - 127	
	h-Index - 6	i10 Index - 4
	Book Chapters - 5	
Fellowship / Funded Projects:	Research Fellowship - 1	
	Funded Project - 1 (As Co-PI)	
Conference / FDPs / Seminars / Workshops attended:	61	
Student Projects Guided:	UG - 3; PG - 11	
Resource Person / Invited Talks:	6	
Awards / Achievements / Recognitions:	7	
Professional Memberships:	12	
Online Certifications:	33	

Programme	Details	Institution
TNSET-2024 [25-09-2025]	Roll No. TNS190401412339	Teachers Recruitment Board, Government of Tamil Nadu.
Ph.D. Chemistry [2010–2015]	Full Time [Roll No. 1017030007]	Department of Chemistry, Faculty of Science, Annamalai University, Tamil Nadu.
	Title of the Thesis:	<i>Synthesis and Structural Studies of Oxime Ether, Cyanoacetyl & Benzotriazolyl Acetyl Hydrazone, N–thiocyanatoacetyl and Coumarin Derivatives of 3–alkyl–2,6– Diarylpiperidin–4–ones</i>
	Thesis URL:	http://hdl.handle.net/10603/45881
		Dr. T. Vidhyasagar, Associate Professor, Department of Chemistry, Faculty of Science, Annamalai University, Annamalai Nagar, Tamil Nadu.
M.Phil. Chemistry [2005-2006]	Distance Education [Enrol. No. A5602710]	MSU Education Centre, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.
	Marks:	56 %
	Research Supervisor:	Dr. V. Umayorubhagan, Associate Professor, Department of Chemistry, South Travancore Hindu College, Nagercoil, Tamil Nadu.
M.Sc. Chemistry [1995–1997]	Full Time [Reg. No. 950166]	Scott Christian College, (Manonmaniam Sundaranar University), Nagercoil, Tamil Nadu.
	Marks:	61 %
B.Sc. Chemistry [1992–1995]	Full Time [Reg. No. 211082]	Pioneer Kumaraswamy College, (Manonmaniam Sundaranar University), Nagercoil, Tamil Nadu.
	Marks:	80 %
Higher Secondary Course [1990-1992]	Maths & Science Reg. No. 659578	SLB Govt. Higher Secondary School, (Board of Higher Secondary Examination - Tamil Nadu), Nagercoil.
	Marks:	74 %
SSLC [1989-1990]	General Stream Reg. No. 015573	SLB Govt. Higher Secondary School, (Board of Secondary Education - Tamil Nadu), Nagercoil.
	Marks:	89 %

Professional Experience

Sl. No.	Institution / Industry	Period		Duration		
		From	To	Yr	Mo	D
1.	Nallamuthu Gounder Mahalingam College, Pollachi	13/03/2023	Till date	2	1	11
2.	Kalasalingam Academy of Research and Education (Deemed to be University), Krishnankoil, Srivilliputhur	18/08/2015	18/05/2021	5	9	0
3.	K. N. S. K. College of Engineering, Nagercoil	05/07/2007	30/11/2010	3	4	25
		30/11/2012	04/07/2013	0	7	5
4.	Surya Polytechnic College, Kanyakumari	08/09/2006	03/07/2007	0	9	26
5.	SBL Pvt. Ltd. (HQ: Delhi), Trivandrum	08/10/2003	07/09/2006	2	11	0
6.	The Fertilizers and Chemicals, Travancore Ltd. (FACT), Cochin	18/05/1999	17/11/2000	1	6	0
	Total	18/05/1999	16/04/2025	17	1	7

Academic Positions & Teaching Experience:

Sl. No.	Institution	Designation	Teaching Level					
			UG/Dip.			PG		
			Yr	Mo	D	Yr	Mo	D
1.	Nallamuthu Gounder Mahalingam College, Pollachi	Assistant Professor	-	-	-	3	4	0
2.	Kalasalingam Academy of Research and Education (Deemed to be University), Krishnankoil, Srivilliputhur	Assistant Professor	5	9	0	5	9	0
3.	K. N. S. K. College of Engineering, Nagercoil	Assistant Professor	4	0	0	-	-	-
4.	Surya Polytechnic College, Kanyakumari	Lecturer	0	9	26	-	-	-
	Total	13 Y 7 M 26 D	9	6	26	9	1	0

Association with academic and other activities

Institution	Administrative Roles	
NGM College	IQAC in-charge	Innovation Ambassador & IIC Coordinator
	Placement Cell Coordinator	MOOC Coordinator
	VAC Coordinator	BOS Member (PG)
	Design Manager (NAAC)	Project Mentor (PG)
Kalasalingam University	Programme Coordinator (B.Sc. Chemistry)	Programme Coordinator (B.Sc. Forensic Science)
	Curriculum Cell coordinator	Class Committee Chairperson
	Faculty Advisor	Project Mentor (UG/PG)
	BOS/DRC Member	NAAC/ABET (Criterion-1)
KNSK College of Engineering	Class in-charge	Faculty Advisor
Surya Polytechnic College	Class in-charge	Faculty Advisor

Research Interests

☐ Organic Synthesis

☐ Computational Chemistry

☐ Structural Chemistry

☐ Stereochemistry

Research Publications

Total Publications	35	Total Citations	141	<i>h</i> -Index	7	<i>i</i> 10-Index	5
Scopus - 24	Web of Science - 10		International - 1		National - 0		
ORCID ID	https://orcid.org/0000-0002-2341-8309						
Google Scholar ID	9sYAvT0AAAAJ		Scopus Author ID		57222746581		
Web of Science Researcher ID	W-4428-2019		Vidwan Profile ID		96043		

Sl. No.	Details of the Publication	Year
1.	C. Udhaya Kumar, K. Gokula Krishnan, S. Balachandran, M. Velayutham Pillai , Saravanan Pandiaraj, Khuloud A. Alibrahim, Abdullah N. Alodhayb, A. Santhana Krishna Kumar, <i>Characterization of a new pyran derivative: Synthesis, structure, and DFT analysis</i> , Journal of Molecular Structure , Volume 1325, 15 March 2025, 140961. https://doi.org/10.1016/j.molstruc.2024.140961	2025 Scopus IF 4.0
2.	Madaselvi Rathinam, Arunachalam SaravanaVadivu, Paranthaman Vijayan, Selvakumar Ramasamy, Abdurahman Hajinur Hirad, Velayutham Pillai Muthaiah Pillai , <i>Evaluation of Co(II) Schiff Base Complexes: Catalysis, Theoretical and Biomolecular interaction studies</i> , Journal of Molecular Structure , Volume 1321, Part 2, 5 February 2025, 139842. https://doi.org/10.1016/j.molstruc.2024.139842	2025 Scopus IF 4.0
3.	S. Vigneshwaran, C. Naveen, H. Premkumar, R. Aswini, M. Priyanka, M. Muthuvinnayagam, P. Rameshkumar, M. Velayutham Pillai , Abdurahman Hajinur Hirad, SaravanaVadivu Arunachalam, <i>Investigation of structural and electrochemical properties of Triphala-ZnO nanocomposite synthesized via green methodology for supercapacitor applications</i> , Ionics , https://doi.org/10.1007/s11581-024-06037-8	2024 Scopus IF 2.4
4.	R. Thayala Sanker, S. Arunachalam, S. Raju, M. Velayutham Pillai , R. Kumaresan, <i>A Quantum Chemical Investigation on Structural, Spectroscopic and Nonlinear Optical Properties of an Organic Molecule Serotonin</i> , International Research Journal of Multidisciplinary Technovation 6 (1), 155-171. https://doi.org/10.54392/irjmt24112	2024 Scopus
5.	Mariappan Anusuya, Arumugham Nagaveni, Eswaran Jayanthi, Harikrishnan Leelavathi, Balasubramaniam Yogeswari, Kathirvel Poonkodi, Krishnasamy Vimaladevi, Vellingiri Prabhu, Muthiah Velayutham Pillai , <i>Green-synthesized flattened rice-shaped CuO and metal doped CuO nanoparticles using Bauhinia racemosa Lam. leaves extract and their photocatalytic and biological applications</i> , Inorganic Chemistry Communications 162, 112289. https://doi.org/10.1016/j.inoche.2024.112289	2024 Scopus IF 4.4

6.	Aswini Ravi, Padmanaban Annamalai, Vigneshwaran Sankar, K R Achutharaman, Hector Valdes, Arunachalam SaravanaVadivu, Velayutham Pillai Muthaiah Pillai , Sulaiman Ali Alharbi, <i>Sustainable synthesis, superior performance: Nanoflower-like α-Bi₂O₃ from solvent-free solid state for photocatalytic crystal violet degradation</i> , Journal of the Taiwan Institute of Chemical Engineers 157 (2024) 105413. https://doi.org/10.1016/j.jtice.2024.105413	2024 SCIE IF 5.5
7.	D Geetha, B Selvakumar, M Velayutham Pillai , S Arunachalam, <i>Anticorrosion behavior of bioemulsions on metal-environment interface</i> , Results in Chemistry , Vol. 5, January 2023, 100858. https://doi.org/10.1016/j.rechem.2023.100858	2023 Scopus IF 2.5
8.	A. Mohamed Ibrahim, S. Arunachalam, J. Suryakanth, M. Velayutham Pillai , <i>A Quantum Chemical and Nonlinear Optical Investigation on L-Tryptophan Hydrochloride Single Crystals for Optoelectronic Device Applications</i> , International Research Journal of Multidisciplinary Technovation 5 (4), 20-26. https://doi.org/10.54392/irjmt2343	2023 Scopus
9.	Srikanth Jupudi, Kalirajan Rajagopal, Sankaranarayanan Murugesan, Banoth Karan Kumar, Kannan Raman, Gowramma Byran, Jayakuamar Chennaiah, Velayutham Pillai Muthiah , Bharathi Dasan P, Sathianarayanan Sankaran, <i>Identification of Papain-Like Protease inhibitors of SARS CoV-2 through HTVS, Molecular docking, MMGBSA and Molecular dynamics approach</i> , South African Journal of Botany , Volume 151, Part B, December 2022, Pages 82-91. https://doi.org/10.1016/j.sajb.2021.11.033	2022 Scopus IF 2.7
10.	R. Thayala Sanker, M. Arunpandian, M. Velayutham Pillai , S. Arunachalam, G. Muneeswaran, B. Babu, Mon-Shu Ho & R. Sivakumar, <i>Spectroscopic and density functional theory (DFT) approach of zwitterionic 4-aminobenzenesulfonic acid for optoelectronic applications</i> , Journal of Materials Science: Materials in Electronics , Vol. 32, 4982–4997(2021) https://doi.org/10.1007/s10854-021-05236-7	2021 Scopus IF 2.8
11.	C. Udhaya Kumar, B. Arul Prakasam, C. Ramalingan, T.Vidhyasagar, M. Velayutham Pillai , <i>Synthesis, spectral, structural and computational studies of isobutyl 6-amino-5-cyano-4-(1-(4-isobutylphenyl)ethyl) -2-methyl- 4H-pyran-3- carboxylate</i> , Chemical Data Collections , Vol. 33, June 2021, 100689. https://doi.org/10.1016/j.cdc.2021.100689	2021 Scopus

12.	B K Ramesh, M Velayutham Pillai , S Vanitha and J Diagu, <i>Analysis of surface water quality for irrigation in Padmanabhapuram fort (Kanyakumari District, Tamil Nadu) India</i> , IOP Conf. Series: Materials Science and Engineering 872 (2020) 012191. https://iopscience.iop.org/article/10.1088/1757-899X/872/1/012191	2020 Scopus
13.	D Shanthi, K Rajeswari, C Udhaya Kumar, T Vidhyasagar, M Velayutham Pillai <i>Synthesis, NMR and Single Crystal Studies of (E)-tert-Butyl 2-(3-methyl-2, 6-diarylpiperidin-4-ylidene) hydrazinecarboxylates</i> , Chemical Data Collections , 2020, Vol.29, 100512. https://doi.org/10.1016/j.cdc.2020.100512	2020 Scopus
14.	Chandran Udhaya Kumar, Muthiah Velayutham Pillai , Kannan Gokula Krishnan, Chennan Ramalingan; <i>Synthesis, experimental and theoretical studies on highly functionalized novel 4H-pyran-3-carboxylate</i> , Journal of Molecular Structure 1175 (2019) 587-592. https://doi.org/10.1016/j.molstruc.2018.08.037	2019 Scopus IF 4.0
15.	G. A. Krishnan, C. U. Kumar, T. Mohandas, M. V. Pillai and P. Sakthivel; <i>Allyl 6-amino-5-cyano-2-methyl-4-phenyl-4H-pyran-3-carboxyl-ate</i> , IUCrData (2019) 4 x190054. https://doi.org/10.1107/S2414314619000543	2019 Scopus
16.	G. A. Krishnan, T. Mohandas, C. U. Kumar, M. V. Pillai and P. Sakthivel; <i>Allyl 6-amino-4-(4-chloro-phen-yl)-5-cyano-2-methyl-4H-pyran-3-carboxyl-ate</i> , IUCrData (2019) 4 x190315. https://doi.org/10.1107/S2414314619003158	2019 S c o p u s
17.	D.Shanthi, K.Rajeswari, C.Udhaya Kumar, T.Vidhyasagar, M.Velayutham Pillai , <i>Structural features of Novel 2,6-diarylpiperidin-4-ones derived from the methyl ether of raspberry ketone: Investigation through spectral, single crystal and DFT studies</i> , Journal of Molecular Structure , 1198, (2019) 126907. https://doi.org/10.1016/j.molstruc.2019.126907	2019 Scopus IF 4.0
18.	N. Sankara Pandian, B. Siva Prakash, M. Thillai Natarajan, C. Ramalingan, M. Velayutham Pillai , <i>Computational Aspects of (E)-O-Carbomethoxy Methyl Oxime Ether of 1,3-Dimethyl-2,6-diphenylpiperidin-4-one</i> , International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Volume-9, Issue-2S2, December 2019. https://www.ijitee.org/wp-content/uploads/papers/v9i2s2/B11691292S219.pdf	2019 Scopus (2018-19)

19.	K. Gokula Krishnan, C. Udhaya Kumar, T. Vidhyasagar, M. Velayutham Pillai , C. Ramalingan, <i>Spectral and Structural Perspectives of 1,3,3-Trimethyl-2,6-diphenylpiperidin-4-one</i> , International Journal of Recent Technology and Engineering (IJRTE) , Volume-8, Issue-4S2, December 2019. https://www.ijrte.org/wp-content/uploads/papers/v8i4s2/D11591284S219.pdf	2019 Scopus (2018-19)
20.	Chandran Udhaya Kumar, Ramar Sivaramakarthikeyan, Kannan Gokula Krishnan, Muthiah Pillai Velayutham Pillai , Chennan Ramalingan, <i>Novel Pyran Derivative Ornamented with free Amino and Nitrile Functionalities: Synthesis and Spectroscopic Characterization</i> , International Journal of Engineering and Advanced Technology (IJEAT) , Volume-9, Issue-1S4, December 2019. https://www.ijeat.org/wp-content/uploads/papers/v9i1s4/A11601291S419.pdf	2019 Scopus (2018-19)
21.	Udhaya Kumar, Shunmugam Iniyaval, Kannan Gokula Krishnan, Muthiah Pillai Velayutham Pillai , Chennan Ramalingan, <i>Crystallographic and Computational Analysis of 4H-Pyran-3-Carboxylate Derivative Tethered with Amino and Methacryloyloxyethyl Units</i> , International Journal of Engineering and Advanced Technology (IJEAT) , Volume-9, Issue-1S4, December 2019. https://www.ijeat.org/wp-content/uploads/papers/v9i1s4/A11631291S419.pdf	2019 Scopus (2018-19)
22.	T. Mohandas, C. Udhaya Kumar, G. Anantha Krishnan, M. Velayutham Pillai , P. Sakthivel, <i>Crystal Structure and Molecular Conformational Studies of Allyl 6-Amino-5-cyano-4- (4-fluorophenyl)- 2-methyl-4H-pyran-3-carboxylate</i> , Crystallography Reports , 2019, Vol. 64, No. 7, pp. 1103–1107. https://doi.org/10.1134/S1063774519070101	2019 Scopus 0.6
23.	Ayyanar Karuppasamy, Kannan Gokula Krishnan, Muthiah Pillai Velayutham Pillai , Chennan Ramalingan; <i>Synthesis, molecular structure and vibrational analysis of DDA based carbazole decorated phenothiazine-3-carbaldehyde: Experimental (FT-IR, UV and NMR) and density functional theory (DFT) calculations</i> , Journal of Molecular Structure 1128 (2017) 674-684. https://doi.org/10.1016/j.molstruc.2016.09.026	2017 Scopus IF 4.0
24.	Ayyanar Karuppasamy, Chandran Udhaya Kumar, Muthiah Pillai Velayutham Pillai , Chennan Ramalingan; <i>Synthesis, spectral, structural and DFT studies of novel dialkyl fluorene decorated phenothiazine-3-carbaldehyde</i> , Journal of Molecular Structure 1133 (2017) 154-162. https://doi.org/10.1016/j.molstruc.2016.12.002	2017 Scopus IF 4.0

25.	C. Udhaya Kumar, M. Velayutham Pillai , K. Gokula Krishnan, C. Ramalingan; <i>Synthesis, spectral and structural characterization of isobutyl 4-(2-chloro phenyl)-5-cyano-6- (((dimethylamino) methylene)amino)-2-methyl-4H-pyran-3-carboxylate</i> , Journal of Molecular Structure 1144 (2017) 206-215. https://doi.org/10.1016/j.molstruc.2017.05.011	2017 Scopus IF 4.0
26.	Ayyanar Karuppasamy, Chandran Udhaya Kumar, Subramanian Karthikeyan, Muthiah Pillai Velayutham Pillai , Chennan Ramalingan; <i>Synthesis, spectral, structural prediction and computational studies of octylcarbazole ornamented 3-phenothiazinal</i> , Journal of Molecular Structure 1147 (2017) 487-494. https://doi.org/10.1016/j.molstruc.2017.06.136	2017 Scopus IF 4.0
27.	M. Velayutham Pillai , K.Rajeswari, C. Udhaya Kumar, K. Gokula Krishnan, S. Mahendran, C. Ramalingan, E.R. Nagarajan, T. Vidhyasagar; <i>Stereoselective synthesis and spectral studies of some benzotriazolylacetyl hydrazones of 3-alkyl-2,6-diarylpiperidin-4-ones</i> , Journal of Molecular Structure 1150 (2017) 558-565. https://doi.org/10.1016/j.molstruc.2017.09.010	2017 Scopus IF 4.0
28.	C. Udhaya Kumar, A. Sethukumar, M. Velayutham Pillai , B. Arul Prakasam, C. Ramalingan, T. Vidhyasagar; <i>Synthesis, spectral and structural studies of alkyl 2-(3-alkyl-2, 6-diaryl piperidin-4-ylidene) hydrazinecarboxylate derivatives: Crystal and molecular structure of methyl 2-(3-methyl-2, 6-diphenylpiperidin-4-ylidene) hydrazine carboxylate</i> , Journal of Molecular Structure 1112 (2016), 45-52. https://doi.org/10.1016/j.molstruc.2016.02.003	2016 Scopus IF 4.0
29.	M. Velayutham Pillai , K. Rajeswari, C. Udhaya Kumar, C. Ramalingan, A. Manohar, T. Vidhyasagar; <i>Chemoselective synthesis and spectral studies of N-thiocyanatoacetyl derivatives of 3-alkyl-2,6-diaryl piperidin-4-ones</i> , Phosphorus, Sulphur, and Silicon and the Related Elements 191 (2016) 1209-1215. http://dx.doi.org/10.1080/10426507.2016.1149852	2016 Scopus 1.4
30.	C. Udhaya Kumar, M. Velayutham Pillai , B. Arul Prakasam, C. Ramalingan, E.R. Nagarajan, T. Vidhyasagar; <i>Chemoselective synthesis, spectral and computational studies of 2-amino-3-cyano-4-aryl -4H-chromen-7-yl alkyl carbonates</i> , Chemical Data Collections 3 (2016) 68-81. https://doi.org/10.1016/j.cdc.2016.06.002	2016 Scopus
31.	M. Velayutham Pillai , K. Rajeswari, T. Vidhyasagar; <i>Spectral assignments and structural studies of a warfarin derivative stereoselectively formed by tandem cyclization</i> , Journal of Molecular Structure , 1100 (2015) 447-454. https://doi.org/10.1016/j.molstruc.2015.07.058	2015 Scopus IF 4.0

32.	M. Velayutham Pillai , K. Rajeswari, T. Vidhyasagar; <i>Stereoselective synthesis, spectral and antimicrobial studies of some cyanoacetyl hydrazones of 3-alkyl-2,6-diaryl piperidin-4-ones</i> , Journal of Molecular Structure 1076 (2014) 174–182. https://doi.org/10.1016/j.molstruc.2014.07.050	2014 Scopus IF 4.0
33.	M. Velayutham Pillai , K. Rajeswari, T. Vidhyasagar; <i>Synthesis, spectral and single crystal X-ray diffraction studies of novel O-(Carboalkoxy)methyl oxime ethers of 3-alkyl and 3,5-dialkyl-1-methyl-2,6-diphenyl piperidin-4-ones</i> , Journal of Molecular Structure 1076 (2014) 94–104. https://doi.org/10.1016/j.molstruc.2014.07.030	2014 Scopus IF 4.0
34.	T. Mohandas, M. Velayutham Pillai , A. Ragu, T. Vidhyasagar and P. Sakthivel, <i>Structural and conformational studies of 1,3,3-trimethyl-2,6-diphenylpiperidin-4-one</i> , <i>Der Chemica Sinica</i> , 2014, 5(5):46-49. https://www.imedpub.com/abstract/structural-and-conformational-studies-of-133trimethyl26diphenylpiperidin4one-12798.html	2014 CAS
35.	T. Mohandas, M. Velayutham Pillai , T. Vidhyasagar, A. Pasupathy, P. Sakthivel; <i>Methyl([[(4E)-1,3-dimethyl-2,6-diphenyl piperidin-4-ylidene] amino] oxy) acetate</i> , Acta Crystallographica Section E 70 (2014) o513. http://dx.doi.org/10.1107/S1600536814006667	2014 Scopus

Book Chapters

Sl. No.	Title	Publisher	Year
1.	Nanomaterials in Bionanotechnology: Fundamentals and Applications by CRC Press (Taylor & Francis Group, August 25, 2021).	CRC Press (Taylor & Francis Group, August 25, 2021).	2021
2.	Enhancing India's Workforce for the AI-Powered Future (Volume-I), by Shanlax Publications, 2025.	Shanlax Publications	2025
3.	Recent Research in Chemical Science, PG and Research Department of Chemistry, Kongunadu Arts and Science College (Autonomous), Coimbatore, August- 2024.	Kongunadu Arts and Science College (Autonomous), Coimbatore	2024
4.	Novel Materials for Sustainable Future by Navanila Maruthi Publication, 2023.	Navanila Maruthi Publication	2023
5.	Sustainable Developments Through Msmes: A Pathway To Self-Reliant India, by Shanlax Publications, 2023.	Shanlax Publications	2023

6.	A Review On Role Of Teachers In Blended Learning-Its Challenges And Learning Outcomes , by Shanlax Publications, 2023.	Shanlax Publications	2023
7.	Heterojunction Photocatalytic Materials by Jenny Stanford Publishing (Taylor & Francis Group, April, 2022).	Benny Stanford Publishing (Taylor & Francis Group)	2022
8.	Nanoscale Graphitic Carbon Nitride: Synthesis, Properties and Emerging Applications in Elsevier under Micro and Nanotechnology Series.	Elsevier under Micro and Nanotechnology Series	2021

Fellowships / Sponsored Projects / Funding received

1. [Funding \(Rs. 14.35 Lakh\)](#) received for the project, [Drug Discovery Hackathon - 2020 \(DDH-2020\) Phase-II](#), as a Co-Principal Investigator (Co-PI) for the collaborative project (PI: Dr. R. Kalirajan, JSS College of Pharmacy, Ooty) from the **Ministry of Human Resource and Development Innovation Cell**, Government of India (02 July 2021).
2. [University Research Studentship \(2011-'12\)](#) during the doctoral research programme sponsored by Annamalai University, Chidambaram, Tamil Nadu.

Conferences / FDPs / Seminars / Workshops Attended

Sl. No.	Details of the Event	Month & Year
1.	National Level Seminar on Emerging Trends in Environmental Science (ETES-'09) held at Velammal College of Engineering and Technology, Madurai.	8 th Jan. 2009
2.	Prof. K. S. Sonachalam Memorial XXI Interdisciplinary Research Methodology Workshop held at Annamalai University, Chidambaram.	8 th –11 th Feb. 2011
3.	National Seminar on Novel Synthetic and Computational Strategies in Chemical Sciences (SCCS–2011) held at Annamalai University, Chidambaram.	28 th & 29 th Mar. 2011
4.	National Seminar on Chemistry Education and Research & National Convention of Chemistry Teachers (NCCT–13) held at Annamalai University, Chidambaram.	8 th –10 th Nov. 2013
5.	ICMR Sponsored National Workshop on Nanoscience and Nanotechnology (NWSNT-2016) held at Pondicherry University, Puducherry.	3 rd - 5 th Mar. 2016

6.	<u>Four Week AICTE approved FDP on Use of ICT in Education for Online and Blended Learning</u> by IIT-Bombay held at Thiagarajar College of Engineering, Madurai.	14 th -15 th May, 4 th -5 th & 25 th -26 th June 2016
7.	<u>NPTEL Local Chapter Interaction SPOC Workshop</u> held at Indian Institute of Technology - Madras.	17 th Dec. 2016
8.	National Seminar on <u>Recent Advances in Chemical and Environmental Research (RACE-2017)</u> held at Annamalai University, Chidambaram.	20 th & 21 st Jan. 2017
9.	<u>National Conference on Advanced Functional Materials and Applications (NCAFMA-2017)</u> organized by the Department of Chemistry, Kalasalingam University.	30 th & 31 st March 2017
10.	National Conference on <u>Advances in Functional Materials (NCAFM-2017)</u> held at St. Joseph's College of Engineering, Chennai.	5 th Aug. 2017
11.	<u>International Conference on Recent Advances in Applied Physics (ICRAAP-2017)</u> held at Annamalai University, Chidambaram.	21 st & 22 nd Sep. 2017
12.	<u>International Seminar on Informatics and Wearable Smart Sensors (ISIWSS-2017)</u> held at Kalasalingam University, Krishnankovil.	2 nd Nov. 2017
13.	<u>National Programme on Technology Enhanced Learning (NPTEL) - Workshop</u> conducted by Indian Institute of Technology - Madras	25 th Jan. 2018
14.	International Conference on <u>Recent Trends in Synthetic Methods and Material Chemistry (RTSMC-2018)</u> held at Annamalai University, Chidambaram.	2 nd & 3 rd Feb. 2018
15.	<u>National Workshop on NMR Spectroscopy (WNMRS-2018)</u> held at Gandhigram Rural Institute (Deemed to be University), Dindigul.	8 th & 9 th Mar 2018
16.	Faculty Development Programme on <u>“Pedagogy of Chemistry in Higher Education”</u> organized by the School of Advanced Sciences, Kalasalingam University, Krishnankoil.	28 th to 01 st June 2018
17.	One Day Workshop on <u>“Advanced Research Skills”</u> organized by Centre of Learning Technologies - Kalasalingam University, Krishnankoil.	03-07-2018
18.	One Day Workshop on <u>“Effective Time Management”</u> organized by Centre of Learning Technologies - Kalasalingam University, Krishnankoil.	04-07-2018
19.	One Day Seminar on <u>“Advanced Separation and Detection seminar”</u> organized by Agilent Technologies India Pvt. Ltd., India.	05-09-2018
20.	State Level Conference on <u>“Advances in Chemical Science - (SCACS-2019)”</u> held at AVS College of Arts & Science, Salem.	4 th January 2019
21.	Faculty Development Programme on <u>“Tech Tools for Educators”</u> organized by the School of Automotive and Mechanical Engineering, Kalasalingam University, Krishnankoil.	28 th & 29 th May 2019

22.	International Conference on “Bioorganic & Biofuel Chemistry (ICBB-2019)” held at Sri Sarada Mahavidyalayam Arts & Science College for Women, Ulundurpet.	7 th August 2019
23.	One day Workshop on ‘ eSim, a First Course in the IoT Series for Teachers ’ held at Kalasalingam University, Krishnankoil organised by the Teaching Learning Centre ICT at IIT Bombay.	21 st September 2019
24.	NPTEL-AICTE Online cum Faculty Development Programme (FDP) on “Bioinorganic Chemistry” conducted by IIT-Madras.	Aug-Sep 2019
25.	International Conference (Kalasalingam Global Conference-2019) on “Sustainable Development” held at Kalasalingam Academy of Research and Education, Krishnankovil.	18 th -20 th December 2019
26.	Three-Day Online Faculty Development Programme on “ Emotional Intelligence ” organized by KG College of Arts & Science, Coimbatore.	28 th , 30 th April & 2 nd May 2020
27.	Faculty Development Program on “ GChemPaint and LibreOffice ” organized by Department of Chemistry, D.K.M. College for Women (Autonomous), Vellore in association with Spoken Tutorial, IIT Bombay.	04/05/2020 to 10/05/2020
28.	Online Workshop on “ Patent Drafting and Processing with Importance of Trademark and Copyright ” organized by Journal of Advanced Engineering and Research.	08/05/2020 to 09/05/2020
29.	Online Training of the “ IEEE Explore Library ” conducted at Kalasalingam Academy of Research and Education, Krishnankovil.	14/05/2020
30.	Webinar on “ IPR and IP Management for Innovation and Start-ups ” presented by Mr.O. Prasad Rao, Deputy Controller of Patents and Design, IP India, Govt.of India.	15/05/2020
31.	Webinar on “ Drug Discovery from Medicinal Plants: An Integrative Approach ” conducted by Dept. of Botany, K J Somaiya College of Science and Commerce, Bombay.	16/05/2020
32.	One Day Online National seminar on “ Advances in Material Science ” organized by Maharishi Dayanand College of Arts and Science, Mumbai.	20/05/2020
33.	Convened One Week Online Faculty Development Programme on “ Innovations in Teaching Methodologies (ITM-2020) ” by the Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankovil.	21/05/2020 to 27/05/2020
34.	One-Week Online Faculty Development Programme on “ Digital Skills for Smart Teaching ” organized by the Department of Education, Annamalai University, Chidambaram.	12-18, June 2020
35.	“ International Conference on Materials and Mathematical Sciences (ICMMS-2020) ” organized by the School of Advanced Sciences, Kalasalingam Academy of Research and Education, Krishnankovil.	19/06/2020 to 20/06/2020

36.	Webinar on “ Basic Author Workshop Research Article Writing & Reference Management Using Mendeley ” organized by Annamalai University in Collaboration with ELSEVIER.	22 nd June 2020
37.	Faculty Development Programme on “ Application of New Materials in Emerging Field ” organized by Sathyabama Institute of Science and Technology.	24-30, June 2020
38.	Two days Online National Level Training Programme on “ Hands-on Training in ICT tools for Teaching and Assessment ” organized by G. M. Momin Women’s College, Bhiwandi.	13 th & 14 th of August 2020
39.	AICTE Training And Learning (ATAL) Academy Online FDP on “ Blended Learning and Flipped Classroom ” at JIS College of Engineering.	24-08-2020 to 28-08-2020
40.	Faculty Development Programme on Engineering Education organized by CLT-Kalasalingam Academy of Research and Education.	19-01-2021 to 23-01-2021
41.	One Week National Level Faculty Development Programme entitled “Inclusive Procedures and Processes for NAAC Assessment and Accreditation” conducted by ACT Academy, Tamil Nadu from.	24-04-2023 to 30-04-2023
42.	Faculty Development Programme cum Workshop entitled “One-Week Faculty Development Programme on Computational Modelling of Materials” organized by Madanapalle Institute of Technology, Andhra Pradesh.	08-05-2023 to 12-05-2023
43.	Science Academies' Lecture Workshop on “ Recent Advances in Chemical Sciences ” held at NGM College, Pollachi.	22 nd , 23 rd & 24 th June, 2023
44.	One Day Workshop on “ Lean Startup Principles for the Social Sector Startups ” organized by Department of Electrochemistry, SIMATS Engineering, Chennai.	11-07-2023
45.	DST-SERB sponsored Two Days International Conference on Recent Advancements in Computational Nanoscience and Energy Storage Technology (CCNEST-23) organized by the Post Graduate and Research Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu	13 & 14 th July 2023
46.	One Day National Seminar on “ Vision for Vishwa Guru India: Initiatives for Global Leadership by 2047 ” organized by the Department of Commerce, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu.	21 st July 2023
47.	Seven Days Faculty Development Programme on “ Quality Education for Nation Building ” organized by Internal Quality Assurance Cell (IQAC) of Sakthi Institute of Information and Management Studies (SIIMS), Pollachi.	31.07.2023 to 08.08.2023.

48.	One Day National Seminar on " Impact of New Education Policy Among Future Generation " organized by the Post Graduate Department of Commerce with Computer Applications, Nallamuthu Gounder Mahalingam College, Pollachi, Tamilnadu.	10 th August 2023
49.	Faculty Development Programme on " AI Tools for Teachers ", organised by UG Department of Computer Science (SF) and PG and Research Department of Botany, NGM College, Pollachi.	07.08.2023 to 18.08.2023
50.	NPTEL-AICTE FDP on " Structural Analysis of Nanomaterials ".	July-August 2023
51.	One day National Conference on "India in Transit to Decarbonization-A Future Perspective" held at Sri Ramakrishna College of Arts & Science, Coimbatore.	15 th September, 2023
52.	One Day National Seminar on "Sustainable Developments Through MSME's: A Pathway to Self-Reliant India" organized by the Department of Commerce, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu.	6 th October 2023
53.	Five Days Faculty Development Programme on " Advanced Materials For Energy Applications " organized by Sathyabama Institute of Science and Technology, Chennai.	09-10-2023 to 13-10-2023
54.	ICSSR-Sponsored Two-Day National Seminar on "Envisioning a Self-Reliant Rural India for Sustainable Economic Development" organized by PG Department of Commerce with International Business, Nallamuthu Gounder Mahalingam College, Pollachi.	12 th & 13 th Oct 2023
55.	Five Days Online Workshop on " SPSS in Research " organized by Star International Foundation for Research and Education.	26.12.2023 to 30.12.2023
56.	Organized " Workshop on Prototypes and Linkage with Innovation Ambassador for Mentorship Support " in association with IIC-NGM College, Pollachi.	19-20 January 2024
57.	Online Workshop on " Artificial Intelligence Tools for Educators " organized by Sacred Heart College, Kochi	07-02-2024
58.	FDP on " Contemporary Research Trends, Innovations in Materials and Technology " organized by Jeppiar Institute of Technology held during.	26 Aug 2024 to 31 Aug 2024
59.	Workshop on " AI Tools and ChatGPT ".	1 st Dec 2024
60.	International Conference on " Innovations in Chemical Sciences (ICS - 2025) " held at Dr. N. G. P. Arts and Science College, Coimbatore.	08 & 09 Jan 2025
61.	International Faculty Development Programme on " Energy Technologies: Materials, Device and Recycling " organized by the Department of Science and Humanities, Dr. Mahalingam College of Engineering and Technology, Pollachi.	13.02.2025 to 15.02.2025

Project Guidance

- UG Project - 3 (B.Sc. Chemistry)
- PG Project - 12 (M.Tech. Environmental Engineering & M.Sc. Chemistry)

Resource Person / Invited Talks

Sl. No.	Event	Role	Month & Year
1.	Awareness Programme on National Pollution Control Day organized by the Department of Computer Technology, Nallamuthu Gounder Mahalingam College, Pollachi.	Resource Person	08-Jan-24
2.	Online Workshop on Environmental Pollution organized by Immaculate College for Women, Viriyur.	Resource Person	23-May-20
3.	Webinar on Yoga: An Immunity Enhancer? organized by the Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil.	Resource Person	21-Jun-20
4.	Webinar on Digital Tools for Teaching, Learning and Research organized by J. P. College of Arts & Science, Tenkasi.	Resource Person	26-Jun-20
5.	State Level Conference held at AVS College of Arts and Science, Salem.	Resource Person	04-Jan-19
6.	International Conference held at Sri Sarada Mahavidyalayam College of Arts & Science College for Women, Ulundurpet.	Chief Guest & Resource Person	07-Aug-19

Awards / Achievements / Recognitions

Sl. No.	Award/ Achievement / Recognition	Year
1.	Member of the Scientific Advisory Committee - International Conference on Sustainable Nanomaterials: Sensing Technologies and Next-Generation Fuels (ICSNSF-2025) held at Saveetha Institute of Medical and Technical Sciences on 21 February 2025.	2025
2.	Bharat Excellence Award for Outstanding Achievements & Distinguished Services to the Nation in the Field of Educational Welfare of Highest Repute for the Year 2023.	2023

3.	Certified Publons Academy Supervisor (As a verified mentor to students of the Publons Academy Practical Peer Review Training Course) on 01 June 2021.	2021
4.	Editorial Board Member - Journal of Chemistry and Applications, RAFT Publications.	2020
5.	Member of the Winner Team in Drug Discovery Hackathon-2020 (DDH-2020) for COVID-19 (Initiated jointly by AICTE, CSIR, Ministry of Education's Innovation Cell and supported by Office of Principal Scientific Advisor, Govt. of India, NIC and MyGov.)	2020
6.	Reviewer – Advances in Science, Technology and Engineering Systems Journal (ASTESJ).	2019
7.	Certificate of Appreciation awarded by NPTEL for mentoring students (Course: Industrial Safety Engineering) during	2018

Professional Affiliations

Sl. No.	Professional Body	Category of Membership
1.	Association of Environmental Analytical Chemistry of India (AEACI), Mumbai.	Life Member (LM415)
2.	Indian Science Congress Association (ISCA) , Kolkata.	Life Member (L34227)
3.	Association of Separation Scientists and Technologists (ASSET), Mumbai.	Life Member (LM272)
4.	Indian Crystallographic Association (ICA), Bangalore.	Life Member (LM701)
5.	Chromatographic Society of India (CSI), Mumbai.	Life Member (applied)
6.	Indian Yoga Association (IYA), New Delhi.	Yoga Volunteer Member (YVM ID-IYA/2019/G278)
7.	Scientific and Technical Research Association	Life Member (STRA-M19231)
8.	Teaching and Education Research Association	Life Member (TERA-M19552)
9.	Asia Society of Researchers (ASR), Hong Kong	Member (R219093129)
10.	International Society for Development and Sustainability (ISDS), Japan.	Associate Member
11.	All India Council for Technical Skill Development (AICTSD), India.	Member (AICTSD/ / PROFESSOR/82628)
12.	Chinese Chemical Society	Regular International Member (230510916)

Online Certifications		Name of the MOOC	Month & Year
No.			
1.	“An Introduction to Ethical Publishing Behaviour” conducted by the Web of Science Academy		May -25
2.	“Partial Differential Equation” conducted by the Great Learning Academy		May-25
3.	“Innovation Ambassador (IA) Online Training (Foundation Level)” conducted by Innovation Cell (MoE) & AICTE		Mar-25
4.	MOOC on “Mental Health Awareness” conducted by the International Association for Chemical Safety		Mar-25
5.	NPTEL Online Course - “Basic in Inorganic Chemistry” (Elite Grade)		Feb-25
6.	“Executive Diploma in Business Management and Administration” (MTF Institute of Management, Technology and Finance, organised by UdeMy		Jan-25
7.	Course on “Antimicrobial Resistance in the Environment: Key Concepts and Interventions” offered by WHO Department of Environment, Climate Change and Health		Sep-24
8.	Course on “How to Get Involved in Artificial Intelligence” conducted by Atingi		Aug-24
9.	HP LIFE online course on “Introduction to Cybersecurity Awareness”		Aug-24
10.	Online Course on “CHEM101: General Chemistry-I” conducted by Saylor Academy		Aug-24
11.	ISO 50001:2018 Energy Management System Awareness conducted by The Knights of Safety Academy (Certificate ID: a4ld4qcv9r).		May-24
12.	Coursera Certification on “Learning for a Sustainable Future: Live at COP28” conducted by The University of Edinburgh.		Dec-23
13.	2--Credit SWAYAM Course on ‘National Education Policy- 2020: Professional Development Programme’ conducted by IGNOU, Delhi.		Nov-23
14.	NPTEL Online certification - Structural Analysis of Nanomaterials (Roll No. NPTEL23ME128S44840133)		Aug-23
15.	Successfully completed the open online course on ‘Basics of Stereochemistry’		Jul-23
16.	Data Science 101 (DS0101EN) provided by IBM (Certificate ID Number: 14efe8958ea64814804ce73ff2be9f7e).		Jun-23
17.	The COSHH Manager Certification conducted by The Knights of Safety Academy (Certificate ID: gkjnggszmx).		May-23
18.	The COSHH Risk Assessor Certification conducted by The Knights of Safety Academy (Certificate ID: 2mzwaxcpdx).		May-23
19.	ISO 9001:2015 Quality Management System Foundations conducted by The Knights of Safety Academy (Certificate ID: mvb9lz1tfp).		May-23
20.	ISO 14001:2015 Environmental Management System Awareness conducted by The Knights of Safety Academy (Certificate ID: mrgmvertj8).		May-23

21.	ISO 45001:2018 Occupational Health & Safety Management System Awareness Conducted by The Knights of Safety Academy (Certificate ID: mv1ezxla1d).	May-23
22.	The Science of Success: What Researchers Know that You Should Know , an online non-credit course authorized by the University of Michigan and offered through Coursera (Verify at coursera.org/verify/JQT4JUA6CPKH).	May-21
23.	<u>Certified Publons Academy Peer Reviewer (Publons Academy Practical Peer Reviewer Course)</u>	Sep-20
24.	<u>Learning How to Learn: Powerful Mental Tools to Help You Master Tough Subjects</u> conducted by McMaster University & University of California San Diego	Aug-20
25.	How to Write and Publish a Scientific Paper (Project-Centered Course) an online non-credit course authorized by École Polytechnique and offered through Coursera (Verify at coursera.org/verify/V42N8PGJJK7E)	Aug-20
26.	Career planning: resume/CV, cover letter, interview an online non-credit course authorized by National Research Tomsk State University and offered through Coursera (Verify at coursera.org/verify/U7MT6MJVBA7W)	Aug-20
27.	<u>Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential</u> conducted by McMaster University, Hamilton, Ontario (Verify at coursera.org/verify/YGMYHR3MJ3T9).	Jul-20
28.	<u>Certified Peer Reviewer Course (completed all modules) conducted by Elsevier Research Academy.</u>	May-20
29.	<u>AICTE recognized Short Term Course on Nuclear Power Technologies through ICT conducted by the National Institute of Technical Teachers Training and Research - Chandigarh (NITTTR) (MHRD, Govt. of India).</u>	Dec-18
30.	<u>Fundamentals of 3D Visualization (Grade: 78%) conducted by IIT BombayX (https://certificate.iitbombayx.in/downloads/f21537a1f9684c23a215836c7345d79b/Certificate.pdf)</u>	Oct-18
31.	<u>Designing Learner-Centric MOOC (Grade: 62%) conducted by IIT BombayX (https://certificate.iitbombayx.in/downloads/b4f6cb445c6b4e9f9affec53e9eb0e66/Certificate.pdf)</u>	Sep-18
32.	<u>Basic 3D Animation using Blender (A Grade) conducted by IIT Bombay X (https://certificate.iitbombayx.in/downloads/62762bc522994189bb4a296b95194985/Certificate.pdf)</u>	Jul-18
33.	Geoinformatics for Forest Fire Management conducted by the Indian Institute of Remote Sensing (IIRS-ISRO, Govt. of India). (UID-b6ec18192e8f93e94eadf96648c2ba93. URL- http://certificate.iirs.gov.in)	Apr-18
34.	<u>Organometallic Chemistry (Elite Grade) conducted by NPTEL-IIT Bombay (Roll No.NPTEL16CY0618550020)</u>	Sep-16
35.	<u>Application of Spectroscopic Methods in Molecular Structure Determination (Elite Grade and Topper) conducted by NPTEL-IIT Madras (Roll No. NPTEL16CY022026001)</u>	Mar-16