<u>CURRICULUM VITAE</u> Dr. IRSHAD AHAMED. J, M.Sc., Ph.D.,

Email: irshad@loyolacollege.edu
Contact No: +91-6380728707
Skype Contact:
irshadahamed53@gmail.com



PRESENT POSITION TITLE: -

♣ Working as an Assistant Professor at Theivanai Ammal College for Women (Autonmous), Permanently Affiliated to Thiruvalluvar University, Chennai – Trichy Trunk Road, Villupuram – 605401. Department of chemistry.

WORKING EXPERIENCE:-

- ♣ Working as an Assistant Professor at C. Kandaswami Naidu College for Men, Anna nagar, Chennai-102. Department of chemistry, from 29-09-2021 to 01.04.2023.
- **♣** Worked as an **Assistant Professor** at **SCP Jain College**, Minjur, from **01-08-2011** to **30.04.2013**

Produce 100% Result in the Subject: First year general chemistry Nov-2011

• Third year Industrial chemistry April-2012

EDUCATIONAL QUALIFICATION:-

♣ Ph. D-2020

Chemistry

(Awarded- Highly Commended) Loyola College (Autonomous) Chennai, Affiliated to the University of Madras, Chennai, India.

Thesis Title: Synthesis, Characterization, Biological and Computational Studies of Selected Heterocyclic Compounds and their Derivatives.

Synthesized the novel 2-nitro-3-phenyl-3-(phenylthio) propan-1-ol, piperazine, 5-arylidene-1,3-dimethyl-2,4,6-pyrimidinetrione, quinox alines and imidazole, (*E*)-3-phenyl-2-(thiophen-2-yl)acrylonitrile derivatives, phenothiazine-based compounds and study their biological applications using *in silico* and *in vitro* analyses.

♣ M. Sc-2011

Chemistry

The New College, Affiliated to the University of Madras,

Chennai, India.

♣ B. Sc-2008

Chemistry

The New College, Affiliated to the University of Madras, Chennai, India.

PUBLICATIONS:-

- J. Irshad Ahamed, K. Narendran, V. R. Ambika, R. Priya, P. Kamalarajan, T. Sundareswaran, B. Gunasekaran, S. Jayalakshmi, J. Mol. Struct., 1266 (2022) 133548.
 (Elsevier I.F = 3.841). https://doi.org/10.1016/j.molstruc.2022.133548.
- ♣ J. Irshad Ahamed, K. Francy, A. Vini Priya, J. PremaKumari, R. P. Steiny, P. Kamalarajan, and B. Venkatadri. J. Mol. Struct., 1252 (2021) 132186. (Elsevier I.F = 3.841). https://doi.org/10.1016/j.molstruc.2021.132186.
- ❖ J. Irshad Ahamed, G.R. Ramkumaara, P. Kamalarajanb, K. Narendranc, M. F. Valand, T. Sundareswarane, T.A. Sundaravadivelf, B. Venkatadri, S. Bharathih J. Mol. Struct., 1248 (2022) 131418. (Elsevier I.F = 3.841). https://doi.org/10.1016/j.molstruc.2021.131418.
- S. Jayalakshmi, K. Narendran, E. Sukumar, J. Irshad Ahamed, M.S. Nivedhitha, S. Rajesh Kumar, <u>Res. Chem. Intermed.</u>, 11 (2021) 4855-4878. (Springer I.F = 2.914). https://doi.org/10.1007/s11164-021-04559-8.
- ❖ V.R. Ambika, D. Jayalakshmi, K. Narendran, S. Athimoolam, M.F. Valan, P. Kamalarajan, J. Irshad Ahamed. J. Mol. Struct., 1225 (2020) 129292. (Elsevier I.F = 3.841).
- ❖ J. Irshad Ahamed, Mariamichael F. Valan1, Kamalarajan Pandurengan, Paul Agastian, Babu Venkatadri, Marimuthu R. Rameshkumar, Kandaswamy Narendran. <u>Res. Chem. Intermed.</u> 2 (2020) 759-794. (Springer I.F = 2.914). Doi.org/10.1007/s11164-020-04297-3.
- **↓ J. Irshad Ahamed**, M. Priya, P. Vinothkumar, K. Sathyamoorthy, P. MuraliManohar, Jinghe Liu and M. F. Valan. *J. Mol. Struct.*, 1202 (2020) 127241. (Elsevier I.F = 3.841). https://doi.org/10.1016/j.molstruc.2019.127241.
- ♣ J. Rani, A. Arora, J. Irshad Ahamed, D. Adhikari, P. Natarajan, P. Venugopalan and R. Patra,.

 <u>Cryst Eng Comm.</u>, 30 (2020) 11. (RSC I.F = 3.841). DOI https://doi.org/10.1039/

 D0CE00333F.
- K. Sathyamoorthy, P. Vinothkumar, J. Irshad Ahamed, P. MuraliManohar, M. Priya and Jinghe Liu, J. Mol. Struct., 1192 (2019) 241-251. (Elsevier I.F = 3.841).
 https://doi.org/10.1016/j.molstruc.2019.04.095.

CURRICULUM VITAE

IRSHAD AHAMED

- K. Sathyamoorthy, P. Vinothkumar, J. Irshad Ahamed, P. MuraliManohar, M. Priya and Jinghe Liu, J. Cryst. Growth., 487 (2018) 96-103. (Elsevier I.F = 1.573). https://doi.org/10.1016/j.jcrysgro.2018.02.002.
- ♣ J. Irshad Ahamed and K.S Meena, <u>Int. J. Pharma. Bio Sci.</u>, 2018, 9, 1. Scientific Journal <u>Impact Factor (SJIF): 7.446.</u>
- ❖ J. Irshad Ahamed, Abirami Kandhaswamy and K. S. Meena, <u>Int. J. Pharma. Bio Sci., 2017, 8, 562. Scientific Journal Impact Factor (SJIF): 7.446.</u>
- **↓ J. Irshad Ahamed**, P. Vinothkumar, K Perinbam and K.S Meena, <u>DJ Journal of Engineering</u>

 <u>Chemistry and Fuel</u>, 2017, 2, 9. Cosmos Impact Factor: 4.849.
- ♣ Abirami Kandhaswamy, J. Irshad Ahamed, R. Saravanan and K.S. Meena, <u>Asian. J. Pharm.</u>
 Clin. Res., 2017, 10, 4. (I.F = 0.48).

SUBMITTED AND UNDER REVIEW:-

- ♣ P. Kamalarajan, **J. Irshad Ahamed**, R. Priya, M. F.Valan. "New isolated unique flavonoid compound called 2, 3, 9, and 10-tetrahydroacridin-3-one from the methanolic extract of nilavembu kudineer chooranam: Spectroscopic, computational-DFT, *in-vitro*, and molecular docking investigations" Res. Chem. Intermed. (**Springer I.F** = **2.914**). (**Submission ID**: ec1f9ae4-5436- 4114-ace0-e1aa66ae86ef) (**Current Status: Revision**)
- ♣ P. Kamalarajan, J. Irshad Ahamed, R. Priya, M. F.Valan. "DFT Computational, Molecular Docking, Biological Activity, Phytochemical Investigation, Spectral Analysis first time isolated ethanol extract Neoandrographolide compound from Nilavembu Kudineer Chooranam" J. Biomol. Struct. Dyn. (Taylor and Francis Ltd I.F = 4.15). (Submission ID No: 222282863) (Current Status: Under Review)

RESEARCH GATE PROFILE:-

Overall publication Impact Factors: 34.6

Name: Irshad Ahamed K J

RG Link: https://www.researchgate.net/profile/Irshad K J

Google Scholar link: https://scholar.google.com/citations?hl=en&user=QCQNoWYAAAAJ

PAPERS PRESENTED IN CONFERENCES:-

- ❖ UGC Sponsored National Level Conference on "Recent Trends in Management Practice", NCRMP' 2013 on 25th & 26th February 2013, Rajah Serfoji, Government College (Autonomous) Thanjavur − 613005.
- ❖ 2nd International Conference on Competency "Building Strategies in Business and Technology for Sustainable Development" Held on 22nd Feb 2013. Salem -636111.
- ❖ UGC Sponsored National Conference on "Restructuring Education in Chemistry Exploring new perspectives", July 30 − 31st, 2015, Queen Mary's College, Chennai 600004.
- ❖ UGC Sponsored National Seminar on "Recent Trends in Chemical Science (NSRTCS-2014)" Organized by the Department of Chemistry, St. John's College, Anchal, Kollam-691306, and Kerala on 23 & 24 October 2014.
- National Conference on "Advanced Material Research Division" (AIM 2014) University College of Engineering, Nagercoil 629004 on 1 October, 2014.
- International Seminar on "Prospects and Recent Advancement in Biological Sciences" held on 17th February, 2017 organized by P.G & Research Department of Advanced Zoology and Biotechnology in association with Indian Science Congress Association. At Government Arts College for Men, Nandanam, Chennai-600035.
- National Conference on "Integrating Bioinformatics and Nanotechnology in Drug Discovery". 20th Feb to 22nd fed 2017 at Queen Mary's College, Chennai –600004. (**Organizing Committee**)

NATIONAL AND INTERNATIONAL CONFERENCES:-

- National Workshop on "Emerging Trends in Molecular Modeling and *In Silico* Drug Designing" From 18th to 20th September 2013 at Queen Mary's College, Chennai-600004.
 - (Organizing Committee)
- National Workshop on "Structure Based Drug Designing with Special Focus on Herbal Compounds" From 26th to 28th August 2014 at Queen Mary's College, Chennai − 600004.
 (Organizing Committee)
- National Conference on "Green Process and Nano Materials", organized by the Department of Chemistry and Centre for Clean Energy & Nano convergence (CENCON), during January 8-9, 2014.
- ❖ UGC Sponsored "Short Term Course on new Materials Their Characterization and Applications" held during 09th & 10th October2014. Anna University Chennai-600025

- * "Regional Seminar on Crystallography", Organized by the Post Graduate & Research Department of Physics, held to Commemorate the International year of Crystallography & Centenary year of Queen Mary's College(A), Chennai 600004. on 5th December 2014.
- National Level Training Programme on "Bioinformatics Tools and Languages with Emphasis in Novel Phytochemicals" Feb, 1-3, 2016, Queen Mary's College, Chennai-600004. (Organizing Committee)
- * "Neuro Virology" held on 5th November 2016 at Sri Ramachandra Medical College & Research Institute. Porur, Chennai 600116.
- ❖ International Conference on Materials for Energy and Environment, ICMEE 2018, February 22-23, 2018, Organized by, Loyola Institute of Frontier Energy (LIFE), LOYOLA COLLEGE, Chennai-600034.

TECHNICAL PROFICIENCY:-

Research interest

- Synthetic Organic Chemistry
- Bioinformatics
- Phytochemistry
- Ethano-pharmacology studies
- Gaussion 09 Theoretical studies

Characterization Technique

Engaged in the organic synthesis of novel molecules and spectral characterization of the following.

- ❖ All interpretation of the DATA like FTIR, FTRAMAN, UV-Visible, via Latest Softwares like ORIGIN etc.
- ❖ ¹H and ¹³CNMR Interpretations
- Mass Spectrum

Current project

- Synthesis, Characterization and Biological Studies of 9-aryl-hexahydro-acridine-1,8-diones compounds in Loyola College, Chennai.
- Plant Extraction from different, medicinal plants around Tamil Nadu at Saveetha University, Tandalam.

Instrumentation handling

- ❖ FT-IR Spectrum
- FT-Raman Spectrum
- UV-Vis Spectrum
- ❖ NMR Spectrum
- **❖** Mass Spectrum (HRMS)

Biological activities

- Analyzed the anti-cancer, antibacterial, and antioxidant properties of synthesized compounds.
- ❖ Investigated their interaction property with protein targets using *in silico* docking analysis and drug availability using Absorption, Distribution, Metabolism, Excretion and Toxicity (ADMET) and Density functional theory (DFT) analyses.

EXPERTISE SPEAR:

- Research
- Publishing Research Papers in SCI Index Journals
- Team Leader
- Organization

EXTRACURRICULAR ACTIVITIES:-

I have undergone one year computer course in HDCA. CSC, Minjur.

- MS-Office
- **❖** C and C++
- Visual Basic
- ❖ SQL Server
- HTML
- **❖** Tally Gold 9.2.

LANGUAGES KNOWN:-

English and Tamil.

PERSONAL PROFILE:-

Father's Name : Jainul Abudeen. K Date of Birth : 19th June 1988

Sex: MaleMarital Status: SingleNationality: IndianReligion: Islam

Address : No: 1, First Street, Abul Kalam, Ariyan Voyal, Minjur-

601203.

REFERENCES:-

1) Dr. M. F. Valan, M.Sc., M.Phil., Ph.D.,

Assistant Professor, Research Supervisor,

Department of Chemistry, Loyola College,

Scientist, Loyola Institute of Frontier Energy,

Nungambakkam, Chennai-600034

Email ID: mfvalan@gmail.com

Phone No: +91-9442061575

2) Dr. Agastian S. Theoder

Associate Professor, Plant Biology and Biotechnology

Loyola College Nungambakkam, Chennai-600034

Email ID: agastian@loyolacollege.edu

Phone No: +91-9444433117

3) Dr. C. Sebastian Antony Selvan, M.Sc., M.Phil., Ph.D.

Assistant Professor, Department of Chemistry

R.V. Govt. Arts College, Chengalpattu – 603001.

Email ID: csas1966@gmail.com Phone No: +91-9444040115

Declaration:

I hereby declare that all particulars above are true and correct to the best of my knowledge and belie Place: Chennai

Yours Sincerely

Date: J. IRSHAD AHAMED