

PROFILE

Dr. M. FATHIMUNNISA

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Academia

Qualification & Institution	Class (%)	Year of passing
DOCTOR OF PHILOSOPHY in CHEMISTRY from Annamalai University, Annamalai Nagar, Tamilnadu.	Commendable	2016
Bachelor of Education in Physical Sciences from Tamilnadu Teachers Education University.	First (87.20%)	2010
MASTER OF SCIENCE in CHEMISTRY from Annamalai University, Annamalai Nagar, Tamilnadu.	First (71.60%)	2007
BACHELOR OF SCIENCE in CHEMISTRY from Gandhigram Rural Institute- Deemed University, Gandhigram, Tamilnadu.	First (80.04%)	2001
HIGHER SECONDARY from Ourlady of lourdes Girls Hr. Sec. School, Dindigul, Tamilnadu.	First (84.08%)	1998
S.S.L.C from Ourlady of lourdes Girls Hr. Sec. School, Dindigul, Tamilnadu.	First (73.4%)	1996

Research and Working Experiences

- Having **six years** of research experience in Synthetic Organic Chemistry.
- Handled **NMR spectroscopic device** from **Oct 2011 - Mar 2014** in Department of Chemistry, Annamalai University, Annamalainagar, under DST-PURSE project.
- Having **three years** of teaching experience

S.No	Name of the Institution	From	To	Subjects taught
1.	BPJ College of Arts and Science, Srimushnam	01.07.2016	22.12.2016	General chemistry Physical Chemistry Organic Chemistry
2.	Thiruvalluvar Arts and Science College, Kurinjipadi	23.12.2016	31.04.2017	Allied Chemistry Polymer Chemistry Agricultural Chemistry
3.	AVC College (autonomous), Mannampandal	03.07.2017	Till date	General Chemistry Analytical Chemistry Organic Chemistry

No. of PG Projects guided : 08

IT Knowledge

Automation Package : Gaussian 03, Chemdraw, Chems sketch

Office automation : MS - Office, Windows 8

Technical skill

NMR Spectroscopic Device, UV-Vis Spectrometer, Fluorescence Spectrometer.

Areas of Interest

Synthetic Organic Chemistry, Computational Chemistry, Molecular Docking.

Professional Synopsis

Ph.D Project Title

"SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL STUDIES OF SOME NOVEL CHALCONE, SPIROPYRROLIZIDINE, AMINOPYRIMIDINE, PYRAZOLE AND CYANOPYRIDONE DERIVATIVES"

Research Publications

1. **M. Fathimunnisa**, H. Manikandan, S. Selvanayagam, "Synthesis of novel (2E)-1-[4-(2,4-difluorophenyl)phenyl]3-arylprop-2-en-1-ones: Investigation on spectral, antibacterial, molecular docking and theoretical studies", *J. Mol. Struct.*, **2015**, 1099, 407-418. (Impact factor: 1.780)
2. **M. Fathimunnisa**, H. Manikandan, S. Selvanayagam, B. Sridhar, "Crystal structure of 2'-[(2',4'-difluorobiphenyl-4-yl)carbonyl]-1'-phenyl-1',2',5',6',7',7a'-hexahydrospiro[indole-3,3'-pyrrolizin]-2(1H)-one", *Acta Cryst.*, **2015**, E71, 915-918. (Impact factor: 0.347)
3. **M. Fathimunnisa**, H. Manikandan, N. Rajendra Prasad, S. Selvanayagam, B. Sridhar, "Synthesis, characterization, biological evaluation and docking studies of 2'-[(2",4"-difluorobiphenyl-4-yl)carbonyl]-1'-aryl-1',2',5',6',7',7a'-hexahydrospiro[indole-3,3'-pyrrolizin]-2(1H)-ones", *J. Mol. Struct.*, **2016**, 1122, 205-218. (Impact factor: 1.780)
4. **M. Fathimunnisa**, H. Manikandan, K. Neelakandan, N. Rajendra Prasad, M. Ganesan, "Synthesis, characterization and biological evaluation of 4-(2',4'-difluorobiphenyl-4-yl)-6-arylpyrimidin-2-amine derivatives", *Heterocycl. Commun.*, **2016**, 22(6), 351-356. (Impact factor: 0.828)
5. **M. Fathimunnisa**, H. Manikandan, "Synthesis, characterization and DFT studies of 4-(2',4'-difluorobiphenyl-4-yl)-6-phenylpyrimidin-2-amine", *Int. J. Adv. Eng. Res. Dev.*, **2017**, 4(11), 91-98.
6. **M. Fathimunnisa**, H. Manikandan, "Cytotoxic Evaluation of (E)-1-(2',4'-difluorobiphenyl-4-yl)-3-arylprop-2-en-1-one Derivatives", *J. Chem. Chemsci.*, **2017**, 7(11), 1006-1010.
7. **M. Fathimunnisa**, H. Manikandan, D. Sivakumar, "An efficient solvent free synthesis of some Chalcone derivatives and their Biological evaluation", *Asian. J. Chem.*, **2018**, 30(4), 807-810.

8. A. Sangeetha, B. Sangeetha, **M. Fathimunnisa**, S. Uma, " Effective Scale and corrosion inhibition in circulating cooling water system", Int. J. Research., **2019**, 3(3), 1609-1613.

List of Conferences/ Seminars/ Workshop Attended

1. Participation in DST-FIST & UGC-SAP sponsored National Seminar on national "**Chemistry Education And Research & National Convention of Chemistry Teachers** (NCCT-13)" organized jointly by the Department of Chemistry, Annamalai University and the Association of Chemistry Teachers (ACT) during November, 8-10, 2013.
2. A research paper presented in "**National Conference in Advanced Materials and its Applications** (NCAMA-2014)" organized by Engineering Physics, Faculty of Engineering and technology, Annamalai university, Annamalainagar during 4th and 5th April 2014.
3. A research paper presented in TNSCST & UGC- IQAC sponsored National Conference on "**From University to industry; Fostering Interest in Chemistry Among the Students** (FUIFICAS - 2014)" organized by PG Department of Chemistry, Periyar Arts College, Cuddalore during 25th and 26th September, 2014.
4. A research paper presented in DST-FIST & UGC-SAP sponsored National Seminar on "**Recent Advances on Luminescent Materials** (RALM-2015)" organized by Department of Chemistry, Annamalai University, Annamalainagar during 23rd and 24th January, 2015.
5. A research paper presented in DST-FIST & UGC-SAP sponsored National Seminar on "**Recent Trends in Organic Synthesis and Chemical Biology** (RTSB-2015)" organized by Department of Chemistry, Annamalai University, Annamalainagar during 9th and 10th October, 2015.
6. A research paper presented in UGC supported International Conference on "**Recent Advances in Materials and Chemical Sciences** (ICRAMCS-2015)" organized by Department of Chemistry, Gandhigram Rural Institute-Deemed University, Gandhigram, Tamil Nadu during 14th and 15th December, 2015.
7. A research paper presented in UGC, DST-SERB & ACT sponsored National Seminar on "**New Trends in Chemistry** (NTC-2016)" organized by Department of Chemistry, Annamalai University, Annamalainagar during 21st and 22nd October, 2016.
8. Participation in Science Academies Lecture workshop on "**Chemistry-Current Focus**" organized by the Department of Chemistry, A.V.C. College (Autonomous), Mannampandal, on 27th and 28th February, 2017.
9. A paper presented in 4th National Conference on "**Challenges in Chemical Engineering and Biosciences for Sustainable Environment** (CBSE)" organized by Department of Chemical Engineering , FEAT, Annamalai University on 15th and 16th February, 2019.

Personal Details

Date of Birth	21 st June 1981
Marital status	Married
Nationality	Indian
Languages Known	Tamil, English
Permanent Address	31, Thuravadi Street Chidambaram Pin: 608001, Tamilnadu.