

Curriculum Vitae

Department Chemistry,
Post Graduate and Research Centre,
Poona College of arts, Science and Commerce, Pune, Maharashtra, INDIA
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Objective:

To work in an acclaimed organization, conducive for progressive learning and contribute my skills and expertise in advancement of Chemical sciences.

Current status:

Assistant professor: Department of chemistry, Poona College, camp, Pune.

Employment History

Title	Period	Place
Post Doctoral Fellow/ Research Professor	2014-2015	Department of pharmaceutical sciences, College of Pharmacy, Kyung Hee University, Seoul, Korea.
Contract Research Fellow	2012-13	Department of Medicinal Chemistry & Pharmacology, CSIR-IICT, Hyderabad, India
Senior Research Fellow	2009-2012	Division of Organic Chemistry, IICT Hyderabad, INDIA
Junior Research Fellow	2007-09	Division of Organic Chemistry, IICT Hyderabad, INDIA

Qualifications

Degree	Major	University/Institute	Year of Passing	Grade/Division
Ph.D.	Medicinal/Organic Chemistry	CSIR-IICT Hyderabad, INDIA	2013	-
M.Sc.	Organic chemistry	Amravati University, Amravati, INDIA	2006	Excellent (1 st)
B.Sc	Chemistry, Zoology, Botany	Amravati University, Amravati, INDIA	2004	Excellent (1 st)
H.S.C	Chemistry, Bio, Physics	Amravati Board, INDIA	2001	Excellent (1 st)

Awards and fellowships

- Awarded Senior Research Fellowship (SRF) from the Council of Scientific and Industrial Research (**CSIR**), India, in the year **2009**.
- Awarded Junior Research Fellowship (JRF) from the Council of Scientific and Industrial Research (**CSIR**), India, in the year **2007**
- Qualified in NET /JRF **2006**
- Qualified in GATE-**2007**
- Qualified in SET-**2006**

Skills/other expertise:

- Providing academic and technical support to undergraduate students of the lab in their research projects for the last two years.
- Experienced in writing scientific manuscripts, project proposal and well-versed in scientific literature search (MDL, Reaxys, Sci finder etc).
Sound knowledge in computer applications and chemistry related softwares.

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- Worked on computation chemistry techniques: Mixed QM/MM and *de-novo* Ligand Design techniques (Molecular Docking, Knowledge-Based Design).

Projects handled:

- Worked as a team member in the completion of collaborative research project “Biocatalytic and combinatorial approaches to novel product based anti-malarial and anti-tubercular agents” between IICT (INDIA) and University of Capetown (South Africa).
- Involved as a team member in the research project “Synthesis of Combretastatin hybrids as tubulin inhibitors”.

Experimental methodology:

- Organic synthesis
 - Modern synthetic protocols (e.g. handling of air sensitive reagents), multi-step synthesis, Development of recyclable catalytic approaches to organic molecules/intermediates and application to diversity oriented synthesis.
 - Purification and characterization techniques
 - Recrystallization, modern purification techniques, thin layer and column chromatography, preparative TLC, reverse/normal phase, NMR, IR and MS.
- Others**
- Acquainted with MTT cell proliferation assay and in vitro biological studies such as Caspase activation, tubulin inhibition, DNA fragmentation etc.

Publication

1. Shaikh, I.N., **Faazil, S.** and Abdul, B.M., **2017**. A New Protocol using Potassium Hydrogen Sulfate as the Promoter for An Efficient Synthesis of Functionalized Quinoxalines.
2. Kasim, S.S., **Faazil, S.** and Shaikh, A.A., Grape Juice Catalyzed Synthesis of Substituted Pyrrole by Paal-Knorr Reaction. *INTERNATIONAL JOURNAL OF RESEARCH CULTURE SOCIETY* ISSN: 2456-6683 Volume - 2, Issue - 5, May – **2018**
3. Kamal, A., **Faazil, S.**, Malik, M.S., Balakrishna, M., Bajee, S., Siddiqui, M.R.H. and Alarifi, A., **2016**. Convenient synthesis of substituted pyrroles via a cerium (IV) ammonium nitrate (CAN)-catalyzed Paal–Knorr reaction. *Arabian Journal of Chemistry*, 9(4), pp.542-549.
4. Kamal, A., **Faazil, S.**, Hussaini, S.A., Ramaiah, M.J., Balakrishna, M., Patel, N., Pushpavalli, S.N.C.V.L. and Pal-Bhadra, M., **2016**. Synthesis and mechanistic aspects of 2-anilinonicotinyl-pyrazolo [1, 5-a] pyrimidine conjugates that regulate cell proliferation in MCF-7 cells via estrogen signaling. *Bioorganic & Medicinal Chemistry Letters*, 26(8), pp.2077-2083.
5. Kamal, A., **Faazil, S.** and Malik, M.S., **2014**. Apoptosis-inducing agents: a patent review (2010–2013). *Expert opinion on therapeutic patents*, 24(3), pp.339-354.
6. Kamal, A., Balakrishna, M., Nayak, V.L., Shaik, T.B., **Faazil, S.** and Nimbarte, V.D., **2014**. Design and Synthesis of Imidazo [2, 1-b] thiazole–Chalcone Conjugates: Microtubule-Destabilizing Agents. *ChemMedChem*, 9(12), pp.2766-2780.
7. Kamal, A., Babu, K.S., **Faazil, S.**, Hussaini, S.A. and Shaik, A.B., **2014**. L-Proline mediated synthesis of quinoxalines; evaluation of cytotoxic and antimicrobial activity. *RSC Advances*, 4(86), pp.46369-46377.
8. Kamal, Ä., Ashraf, M., Vardhan, M.V., **Faazil, S.** and Nayak, V.L., **2014**. Synthesis and anticancer potential of benzothiazole linked phenylpyridopyrimidinones and their diones as

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mitochondrial apoptotic inducers. *Bioorganic & medicinal chemistry letters*, 24(1), pp.147-151.

9. Kamal, A., Ashraf, M., Khan, M.N.A., Nimbarte, V.D., **Faazil, S.**, Subba Reddy, N.V. and Taj, S., **2014**. Retracted: Synthesis and Cytotoxic Activity of 2-Anilinopyridine-3-Acrylamides as Tubulin Polymerization Inhibitors. *ChemMedChem*, 9(7), pp.1615-1615.
10. Kamal, A., Hussaini, S.M.A., **Faazil, S.**, Poornachandra, Y., Reddy, G.N., Kumar, C.G., Rajput, V.S., Rani, C., Sharma, R., Khan, I.A. and Babu, N.J., **2013**. Anti-tubercular agents. Part 8: Synthesis, antibacterial and antitubercular activity of 5-nitrofuranyl based 1, 2, 3-triazoles. *Bioorganic & medicinal chemistry letters*, 23(24), pp.6842-6846.
11. Kamal, A., Malik, M.S., Bajee, S., Azeeda, S., **Faazil, S.**, Ramakrishna, S., Naidu, V.G.M. and Vishnuvardhan, M.V.P.S., **2011**. Synthesis and biological evaluation of conformationally flexible as well as restricted dimers of monastrol and related dihydropyrimidones. *European journal of medicinal chemistry*, 46(8), pp.3274-3281.
12. Kamal, A., Balakrishna, M., Reddy, P.V. and **Faazil, S.**, **2010**. An efficient synthesis of synargentolide A from d-mannitol. *Tetrahedron: Asymmetry*, 21(20), pp.2517-2523.
13. Kamal, A., Ashraf, M., **Faazil S.**, Srikanth, Y.V.V., Hussaini, S.M.A. and Reddy, A.M., Council of Scientific and Industrial Research (CSIR), **2015**. 2-anilino nicotiny l based chalcones useful as potential anticancer agents and process for preparation thereof. U.S. Patent 9,006,451.

Reviews:

14. Ahmed Kamal, Shaik Azeeda, M. Shaheer Malik and Shaikh Faazil "New therapeutics: Potential for drug resistance tuberculosis" *Int.J. of Medicinal and Biological frontiers*, volume-16, issue-5-6, **2010**, pages 129-161.

Book Chapters

15. Ahmed Kamal, Shaik Azeeda, M. Shaheer Malik and **Shaikh Faazil** "New therapeutics: Potential for drug resistance tuberculosis" *Book: Health issues, Injuries and Diseases*, Editor: Tsisana Shartava, **2010**, www.novapublisher.com.

Participation and presentation at symposia/Workshop:

- International Workshop on "Practical Applications of Modern Tools in Organic Synthesis and Purifications II" April 1-3, 2012 at Indian Institute of Science and Educational Research (IISER) Pune and National Chemical Laboratory, Pune, India.
 - Conference on "MedChem India 2011" February 25 – 26, 2011 at Indian Institute of Chemical Technology, Hyderabad, India.
- "12th CRSI National Symposium in Chemistry & 4th CRSI-RSC Symposium in Chemistry" February 4-7 2010, at Indian Institute of Chemical Technology Hyderabad, India.
- Conference on "National Conference on Green Chemistry & Its Perspective" February 11-12, 2008 at Sant Gadge Baba Amravati University, Amravati, India.

Permanent Address:

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References:

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