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# Dr. Mohd Akmal Shaikh

(Ph.D. Organic Synthesis)

*A goal-oriented professional with hands-on theoretical and practical aspects of organic chemistry who like to tackle new challenges*

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## Experience

May 2012 – Feb 2014     **Research & Development Officer (Synthesis)**

Royal Pharma Pvt. Ltd.

Plot No N-79, MIDC Industrial area, Tarapur, Boisar - 401506 India.

Duties:

- Process development API and advanced drug intermediates.  
(*Eltrombopag, Rilpivirine, Ibandronate Sodium and their intermediates*).
- Literature search, experimental planning, documentation and execution of the process.

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## Education

Dec 2014 – Sep 2020     **Doctor of Philosophy - Ph.D, Organic Synthesis (Full-time)**

Dr. Babasaheb Ambedker Marathwada University, Aurangabad - 431001 (M.S) India.

- Research Guide : Dr. Syed Abed
- Title of Ph.D. thesis: ***"New Approaches for Synthesis of Some Heterocyclic Compounds"***.

Jul 2008 – Oct 2010     **Master of Science - M.Sc, Organic Chemistry**

Maulana Azad College, Dr. Rafiq Zakaria Campus, Aurangabad-431001 (M.S) India.

- Project: *"Synthesis and characterization of tetrazole based compounds"*.

Jul 2005 – Jun 2008     **Bachelor of Science - B.Sc, Chemistry, Botany, Zoology**

Maulana Azad College, Dr. Rafiq Zakaria Campus, Aurangabad-431001 (M.S) India.

Jul 2003 – Jun 2005     **Diploma in Pharmacy - D.Pharm**

Anuradha College of Pharmacy, Chikhli, Dist-Buldana-443201 (M.S) India.

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## Extra activities

Jul 2019 – Mar 2020

**Teaching - Assistant Professor** (on clock hour basis)

Dept. of Chemistry, Shri Shivaji Science College, Chikhli Dist-Buldana - 443201 (M.S) India.

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## Skills

Experties	Multi-step reactions; Muti-component reactions; Catalysis
Literature Search	Scifinder; Scopus; Web of Science; Patent Search; Google Scholar
Softwares	Chemdraw; MestReNova; Brucker Top Spin; Grams AI; MOE 2015; Endnote/Mendely; E-notebook/Msoffice

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## Languages

English, Hindi, Marathi

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## Publications

- Jan 2019 **M. A. Shaikh**, M. Farooqui, and S. Abed, "Novel task-specific ionic liquid [Et<sub>2</sub>NH(CH<sub>2</sub>)<sub>2</sub>CO<sub>2</sub>H][AcO] as a robust catalyst for the efficient synthesis of some pyran-annulated scaffolds under solvent-free conditions," *Research on Chemical Intermediates*, vol. 45, no. 3, pp. 1595-1617, 2019.
- Jun 2018 **M. A. Shaikh**, M. Farooqui, and S. Abed, "Morpholinium glycolate as an efficient and reusable catalyst for the synthesis of bis(pyrazol-5-ol) derivatives under solvent-free conditions," *Iranian Journal of Catalysis*, vol. 8, no. 2, pp. 73-80, 2018.
- Apr 2018 **M. A. Shaikh**, M. Farooqui, and S. Abed, "[Bu<sub>3</sub>NH][HSO<sub>4</sub>] catalyzed: an eco-efficient synthesis of 1*H*-pyrazolo[1,2-*b*]phthalazine-5,10-diones and 2*H*-indazolo[2,1-*b*]phthalazine-triones under solvent-free conditions," *Research on Chemical Intermediates*, vol. 44, no. 9, pp. 5483-5500, 2018.
- Dec 2017 **M. A. Shaikh**, M. Farooqui, and S. Abed, "Morpholinium Glycolate Catalyzed: One-pot Green Synthesis of Coumarin linked Pyrazoline Derivatives via in situ-developed Cinnamoyl Coumarins under Solvent-free Conditions," *Chemistry & Biology Interface*, vol. 7, no. 6, pp. 359-367, 2017.

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## References

- Dr. Syed Abed (Ph.D.) Assistant Professor, Dept. of Chemistry, Government College of Arts and Science, Aurangabad- 431001 (M.S), India.  
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- Dr. Mazahar Farooque Principal, Dr. Rafiq Zakaria Campus, Maulana Azad College, Aurangabad-431001 (M.S), India.  
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