



Dr. Vikas Madhukar Bangade
Assistant Professor
Department of Chemistry
The Institute of Science, Mumbai
Vikasmb2009@gmail.com

<https://scholar.google.co.in/citations?user=FImun5kAAAAJ&hl=en>

Educational Background:

- ✓ **M. Sc.** R.T.M. Nagpur University
- ✓ **GATE** By IIT.
- ✓ **NET-** CSIR-JRF
- ✓ **Ph.D.** CSIR Lab. Medicinal Chemistry and Pharmacology Division,
Indian Institute of Chemical Technology Hyderabad

Professional Experience:

- Assistant Professor at The Institute of Science, Mumbai (2015).

Research Interest:

- ❖ One-pot synthesis for Heterocyclic compounds and development of novel methodologies for the synthesis of heterocyclic compounds by green approach.
- ❖ Chemical Synthesis under Microwave irradiations.
- ❖ Green Chemistry of heterocyclic compounds.
- ❖ Study of synthesized heterocyclic compounds as anticancer activity.

Publication:

- DABCO catalyzed highly regioselective synthesis of fused imidazo-heterocycles in aqueous medium.
*Vikas M. Bangade, B. Chennakesava Reddy, Pramod B. Thakur, B. Madhu Babu, H. M. Meshram**
Tetrahedron Letters 54 (2013) 4767–4771
- DABCO Promoted an Efficient and Convenient Synthesis of Pyrrole in Aqueous Medium.

*Harshadas Mitaram Meshram**, **Vikas Madhukar Bangade**, *Bandi Chennakesava Reddy, Gudimella Santosh Kumar, Pramod Bhagwan Thakur.*

International Journal of Organic Chemistry, 2012, 2, 159-165.

- Stereoselective Total Synthesis of Multiplolide A and of a Diastereoisomer.
*Bandi Chennakesava Reddy, Vikas Madhukar Bangade, Palakuri Ramesh, and Harshadas Mitaram Meshram**.
Helvetica Chimica Acta – Vol. 96 (2013), pp 266-174.
- Convenient and simple synthesis of 2-aminothiazoles by the reaction of α -halo ketone carbonyls with ammonium thiocyanate in the presence of N-methylimidazole.
H. M. Meshram, Pramod B. Thakur, B. Madhu Babu, Vikas M. Bangade.*
Tetrahedron Letters 53 (2012) 5265–5269.
- DMF mediated Henry reaction of isatins: an efficient synthesis of 3-hydroxy-2-oxindole.
Harshadas M. Meshram, Pramod B. Thakur, Madhu B. Bejjam & Vikas M. Bangade*
Green Chemistry Letters and Reviews 2012, 1-25
- A convenient, rapid, and general synthesis of α -oxo thiocyanates using clay supported ammonium thiocyanate.
H.M. Meshram, Pramod B. Thakur, B. Madhu Babu, Vikas M. Bangade.*
Tetrahedron Letters 53 (2012) 1780–1785.
- Catalyst-free four-component protocol for the synthesis of substituted pyrroles under reusable reaction media.
H. M. Meshram, B. Madhu Babu, G. Santosh Kumar, Pramod B. Thakur, Vikas M. Bangade.*
Tetrahedron Letters 54 (2013) 2296–2302.
- A mild and novel synthesis of functionalized fused imidazole analogues under environmentally benign reaction media.
*B. Madhu Babu, G. Santosh Kumar, Pramod B. Thakur, Vikas M. Bangade, H. M. Meshram**.
Tetrahedron Letters 55, (24), 34773-3477
- A convenient and rapid microwave-assisted synthesis of spirooxindoles in aqueous medium and their antimicrobial activities
*Prakash R. Mali, L. Chandrasekhara Rao, Vikas M. Bangade, Prashishkumar K. Shirsat, Sara A. George, N. Jagadeesh babu and H. M. Meshram**
New Journal of Chemistry 40 (3), 2225-2232

Conferences:

- ✓ National symposium on advance material “NSAM NSB” in Feb. 12th, 2007.
- ✓ International seminar on “Solid state chemistry and allied areas” (ISCAS), Nagpur.
- ✓ International conference ICEM-2015 in Nagpur, 5-7 Feb. 2015.

Topics taught:

- Group theory-Symmetry of chemical compounds.
- Organometallic Chemistry.