


## Amol Milind Garkhedkar / Ph.D.

Photo 	Nationality: Indian
	Language: Marathi, Hindi, English
	<b>Autobiography:</b> I always thought of one quote that may resemble with the word “RESEARCH” is “EXPECT THE UNEXPECTED”. On the other hand, it is also an assembly of creativity, hard work, observation and finally the outcome (doesn't matter whether it is positive or negative). I was born in Pune, Maharashtra, India. I finished my B.Sc. and M.Sc. at Sir Parashurambhau College (Affiliated to University of Pune) Pune, India. During my M.Sc. studies, I got an opportunity to work at National Institute of Science, Education and Research (NISER), Bhubaneswar, Odisha, India as a “Summer Research Fellow” programme organized by Indian Institute of Science (IISc), Bangalore, India. This was my first opportunity to see the nature of the research, which inspired me to great extent. After completing my M.Sc., I got another opportunity to work as a Project Assistant at CSIR-National Chemical laboratory (NCL), Pune, India and there I worked for one and a half years. Later I joined Kaohsiung Medical University as a Ph.D. student and carried out my research under the guidance of Prof. Jeh-Jeng Wang. The time spent in this field not only showed the nature of research but also gave me strength to overcome the hurdles in research as well as in my life. My research in Prof. Jeh-Jeng Wang's lab is focused on the Lewis/Brønsted acid mediated reactions of designed starting materials to generate heterocyclic scaffolds. All the results were successfully proved with the mechanistic studies, X-ray as well as spectroscopic data.

### Doctoral:

Institute: Kaohsiung Medical University, Kaohsiung

Research field: Bioorganic Chemistry

Thesis supervisor / Co-advisor: Prof. Jeh-Jeng Wang

### Master:

Institute: Sir Parashurambhau College, Affiliated to University of Pune, Pune, India

Research field: Organic Chemistry

Thesis supervisor / Co-advisor: Dr. D. R. Garud

### Publication:

- Title:** ZnBr<sub>2</sub>-Mediated Cascade Reaction of *o*-Alkoxy Alkynols: Synthesis of Indeno[1,2-*c*]chromenes.  
**Garkhedkar, A. M.; Senadi, G. C.; Wang, J.-J.\*** *Org. Lett.* **2017**, *19*,

488-491. (IF: 6.555)

<https://pubs.acs.org/doi/abs/10.1021/acs.orglett.6b03642>

2. **Title:** DBU-Promoted Synthesis of 1,3-Benzoxazines from Geminal Dibromo Olefins: Applications to the Construction of *o*-Amido Phenacyl Bromides.  
**Garkhedkar, A. M.;** Chiang, Y.-C.; Senadi, G. C., Wang, J.-J.; Hu, W.-P.\* *ChemistrySelect* **2020**, *5*, 3778-3783. (IF: 1.716)  
<https://chemistry-europe.onlinelibrary.wiley.com/doi/10.1002/slct.202000667>
3. **Title:** Lewis acid Catalyzed Atom-Economic Synthesis of C2-Substituted Indoles from *o*-Amido Alkynols.  
**Garkhedkar, A. M.;** Gore, B. S.; Hu, W.-P.; Wang, J.-J.\* *Org. Lett.* **2020**, *22*, 3531-3536. (IF: 6.555)  
<https://pubs.acs.org/doi/10.1021/acs.orglett.0c00971>
4. **Title:** I<sub>2</sub>-TBHP-Catalyzed Oxidative Cross-Coupling of *N*-Sulfonyl Hydrazones and Isocyanides to 5-Aminopyrazoles.  
Senadi, G. C.; Hu, W.-P.; Lu, T.-Y.; **Garkhedkar, A. M.;** Vandavasi, J. K. Wang; J.-J.\* *Org. Lett.* **2015**, *17*, 1521-1524. (IF: 6.555)  
<https://pubs.acs.org/doi/abs/10.1021/acs.orglett.5b00398>
5. **Title:** Palladium(II)-Catalyzed Regioselective Synthesis of 3,4-Disubstituted Quinolines and 2,3,5-Trisubstituted Pyrroles from Alkenes via Anti-Markovnikov Selectivity.  
Senadi, G. C.; Hu, W.-P.; **Garkhedkar, A. M.;** Boominathan, S. S. K.; Wang; J.-J.\* *Chem. Commun.* **2015**, *51*, 13795-13798. (IF: 6.164)  
<https://pubs.rsc.org/en/content/articlelanding/2015/cc/c5cc05196g#!divAbstract>
6. **Title:** Efficient Approach to Amide Bond Formation with Nitriles and Peroxides: One-Pot Access to Boronated  $\beta$ -Ketoamides.  
Gore, B. S.; Senadi, G. C.; **Garkhedkar, A. M.;** Wang; J.-J.\* *Adv. Synth. Catal.* **2017**, *359*, 3014-3021. (IF: 5.451)  
<https://onlinelibrary.wiley.com/doi/full/10.1002/adsc.201700532>

