

Barve Balaji Dnyaneshwar / Ph.D

Photo	Nationality: Indian
	Language: Marathi, Hindi, English
	<p>Autobiography: Completed PhD at the Department of Medicinal and Applied Chemistry and the Graduate Institute of Natural Products under the supervision of professors Jeh-Jeng Wang and Fang-Rong-Chang in 2014.</p> <p><b>Research Topic:</b> "Transition Metal Catalyzed Direct C-H Functionalization of Formamides and Ethers for the Synthesis of Carbamates and Acetals from 2-Carbonyl Substituted Phenols".</p> <p>After completion of PhD, I have successfully completed the postdoctoral research at China Medical University, Taichung and National Taiwan University, Taipei. Currently working as Postdoctoral researcher at National Research Institute of Chinese Medicine, Taipei.</p> <p>It is a great pleasure to shed some light on my personal experience at Kaohsiung Medical University (KMU). From the very first day, I felt that KMU environment is overwhelmingly friendly. My supervisors are always available to assist me in my research, offer support and encouragement. They are always willing to listen to my new ideas, discuss them openly and offer essential guidance.</p>

	<p>KMU is located in Kaohsiung city center where everything is accessible within a walking distance. I am very impressed by the resources available to students here such as well-equipped laboratories, high tech-library, wireless internet service, sport facilities, cultural and e-learning centers.</p> <p>KMU (Center for International Affairs) always encourages local and international students to attend international symposium and conferences aiming to present their studies globally. I am grateful to KMU (Center for International Affairs) for financial support to attend the prestigious American Chemical Society Meeting in New Orleans, Louisiana, USA (2013).</p> <p>Kaohsiung is a foreign-friendly beautiful city with a magnificent port. It possesses a fun loving and lively environment.</p> <p>I highly recommend all enthusiastic young students from all over the world to come to KMU and feel the experience. I am very satisfied with my stay here and I think any future candidate will share my opinion. This lovely environment increased my eagerness to study and provided me with a magnificent experience exceeding all my expectation.</p>
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**Doctoral:**

**Institute:** Department of Medicinal and Applied Chemistry

Research field: Synthetic methodology developments, Natural products synthetic modifications, medicinal chemistry.

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

Master: Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra, INDIA.

Institute: Yeshwant College, Nanded, Maharashtra, INDIA.

Research field: Synthetic organic chemistry

Thesis supervisor: Prof. Y. B. Vibhute

#### Publication:

- 1) **Balaji D. Barve**, Yang-Chang Wu, Mohamed El-Shazly, Yuan-Bin Cheng, Michal Korinek, Jeh-Jeng Wang, and Fang-Rong Chang, "Copper-Catalyzed Selective C-O Bond Formation by Oxidative C(sp<sup>3</sup>)-H/O-H Coupling between Ethers and Salicylaldehydes" *Tetrahedron*, **2015**, 71, 2290-2297.
- 2) **Balaji D. Barve**, Yang-Chang Wu, Mohamed El-Shazly, Yuan-Bin Cheng, Michal Korinek, Jeh-Jeng Wang, and Fang-Rong Chang, "Iron-Catalyzed Oxidative Direct  $\alpha$ -C-H Bond Functionalization of Cyclic Ethers: Selective C-O Bond Formation in the Presence of a Labile Aldehyde Group" *Org. Lett.* **2014**, 16, 1912-1915 (selected by *Nature* index-**2014** as well as *ChemInform*-**2014** due to its highest quality research and most important innovative approach).
- 3) **Balaji D. Barve**, Yang-Chang Wu, Mohamed El-Shazly, Da-Wei Chuang, Yuan-Bin Cheng, Jeh-Jeng Wang, and Fang-Rong Chang, "Copper-Catalyzed Oxidative Coupling of Formamides with Salicylaldehydes: Synthesis of Carbamates in the Presence of a Sensitive Aldehyde Group" *J. Org. Chem.* **2014**, 79, 3206-3214 (selected by *ChemInform*-

2014 due to its most important innovative approach).

- 4) Mohamed El-Shazly,<sup>†</sup> **Balaji D. Barve**,<sup>†</sup> Michal Korinek, Jing-Ru Liou, Da-Wei Chuang, Yuan-Bin Cheng, Ming-Feng Hou, Jeh-Jeng Wang, Yang-Chang Wu, Fang-Rong Chang, "Insights on the Isolation, Biological Activity and Synthetic Protocols of Enyne Derivatives" *Curr. Top. Med. Chem.* **2014**, *14*, 1076-1093. <sup>†</sup>These authors contributed equally to this work
- 5) **Balaji D. Barve**, Yang-Chang Wu, Mohamed El-Shazly, Da-Wei Chuang, Yu-Ming Chung, Yi-Hong Tsai, Shou-Fang Wu, Michal Korinek, Ying-Chi Du, Chi-Ting Hsieh, Jeh-Jeng Wang, and Fang-Rong Chang, "Synthesis of Carbamates by Direct C-H Bond Activation of Formamides" *Eur. J. Org. Chem.* **2012**, 6760–6766.
- 6) Da-Wei Chuang, Mohamed El-Shazly, Chin-Chau Chen, Yu-Ming Chung, **Balaji D. Barve**, Ming-Jung Wu, Fang-Rong Chang, Yang-Chang Wu, "Synthesis of 1,5-diphenylpent-3-en-1-yne derivatives utilizing an aqueous Balkyl Suzuki cross coupling reaction" *Tetrahedron Lett*, **2013**, *54*, 5162–5166.
- 7) Da-Wei Chuang, Mohamed El-Shazly, **Balaji D. Barve**, Yu-Ming Chung, Fang-Rong Chang, and Yang-Chang Wu, "Synthesis of Flavones and  $\gamma$ -Benzopyranones Using Mild Sonogashira Coupling and 18-Crown-6 Ether Mediated 6-endo Cyclization" *Eur. J. Org. Chem.* **2012**, 4533– 4540.