MOHANA REDDY MUTRA / Ph.D.

Nationality: Indian

Language: Telugu, English, Kannada, Hindi

Autobiography:

I born and grew up in Andhra Pradesh (State), India. After completion of my master degree in India, I joined as a research associate in Jubilant Biosys (Drug discovery center) in Bangalore.

After three and half year industrial experience, I started to pursue my doctoral degree at Kaoushing Medical University under the guidance of prof: Jeh-Jeng Wang. My current research interest is synthesis of bio-active compounds via visible-light-promoted radical cascade reactions (utilization of ethers and enynes).

Coming to my life at KMU. KMU is one of the top innovative university in Taiwan. I am happy announce to be a part of it. The friendly atmosphere and kind-hearted Taiwanese makes me more innovative towards benefits of the society.

Doctoral:
Institute: Kaohsiung Medical University, Kaohsiung
Research field: Bio-Organic Chemistry
Thesis supervisor: Prof. Jeh-Jeng Wang

Master:
Institute: Department of Chemistry, Sri Venkateswara University, India
Research field: Medicinal Chemistry

Publication:

1. **Title:** Alkene versus alkyne reactivity in unactivated 1,6-enynes: regio- and chemoselective radical cyclization with chalcogens under metal and oxidant-free conditions.
   Mohana Reddy Mutra, Vishal Suresh Kudale,a Jing Li, Wu-Hsun Tsai and Jeh-Jeng Wang, *Green Chem*, **2020**, *22*, 2288–2300. **(IF- 9.405)**.

https://pubs.rsc.org/en/content/articlepdf/2020/gc/d0gc00321b

2. **Title:** Regio- and Chemoselective Synthesis of Nitrogen-Containing Heterocycles via the Oxidative Cascade Cyclization of Unactivated 1,n-Enynes.
   Mohana Reddy Mutra, Ganesh Kumar Dhandabani, Jing Li and Jeh-Jeng Wang, *Chem.comm.* **2020**, *56*, 2051-2054. **(IF-6.164)**
   https://pubs.rsc.org/en/content/articlepdf/2020/cc/c9cc07820g

3. **Title:** Mild Access to N-Formylation of Primary Amines using Ethers as C1 Synthons under Metal-Free Conditions.
   Mohana Reddy Mutra, Ganesh Kumar Dhandabani Jeh-Jeng Wang, *Adv. Synth. Catal*. **2018**, *360*, 3960–3968. (**IF-5.451)**.
   https://onlinelibrary.wiley.com/doi/epdf/10.1002/adsc.201800783

4. **Title:** $FeCl_3$-promoted ring size-dictating diversity-oriented synthesis (DOS) of N-heterocycles using in situ-generated cyclic imines and enamines.
   Ganesh Kumar Dhandabani, **Mohana Reddy Mutra** and Jeh-Jeng Wang, *Chem.comm.* **2019**, *55*, 7542-7546. **(IF- 6.164).**
   https://pubs.rsc.org/en/content/articlepdf/2017/gc/c7gc01449j

5. **Title:** Oximes as reusable templates for the synthesis of ureas and carbamates by an in situ generation of carbamoyl oximes.
   Gopal Chandru Senadi, **Mohana Reddy Mutra**, Ting Yi-Lu and Jeh-Jeng Wang, *Green Chem*. **2017**, *19*, 4272-4277. **(IF-8.586)**.
   https://pubs.rsc.org/en/content/articlepdf/2017/gc/c7gc01449j

6. **Title:** Palladium-Catalyzed Regioselective Synthesis of 1-Benzoazepine Carbonitriles from o-Alkynylanilines via 7-*endo*-dig Annulation and Cyanation.
   Ganesh Kumar Dhandabani, **Mohana Reddy Mutra**, and Jeh-Jeng Wang, *Adv. Synth. Catal*. **2018,** *360*, 4754-4763. **(IF-5.451)**
   https://onlinelibrary.wiley.com/doi/epdf/10.1002/adsc.201800865

7. **Title:** A Simple and Efficient Method for Constructing Azepino[4,5-b]indole Derivatives via Acid Catalysis.
   Siva Senthil Kumar Boominathan, **Mohan Reddy Mutra**, Ruei-Jhih Hou, Hui-Fen Chen and Jeh-Jeng Wang, *Org. Biomol. Chem.*, **2017**, *15*, 1872-1875. (**IF- 3.423)**.
   https://pubs.rsc.org/en/content/articlepdf/2017/ob/c6ob02722a