


## Dr. D. Ganesh Kumar/ Ph.D

	Nationality: Indian
	Language: English, Tamil
	<p><b>Autobiography:</b> It's my pleasure to introduce myself; I am <b>D. Ganesh Kumar</b>, Organic chemist from India. Since August 2019 onwards, I have been working as a Postdoctoral Research Fellow with Prof Jeh-Jeng Wang, Department of medicinal &amp; applied chemistry, Kaohsiung Medical University, Taiwan. I research works have been focused on intuitive synthetic methodology development of cyclic and acyclic molecule construction using both transition metals and metal-free reaction conditions and its applications in organic synthesis. Before my postdoc, I have carried out my doctoral research in the same lab at KMU, Taiwan. I published seven research papers in peer viewed journals. I did my master degree in chemistry at University of Madras, Chennai, India.</p> <p>Moreover, before my Ph.D. studies I had around 3 years of industrial working experience (R&amp;D synthetic Chemistry Department) at Syngene International Ltd, Biocon group, India.</p>

### Doctoral:

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

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

**Thesis supervisor:** Prof. Jeh-Jeng Wang

## Master:

Institute: University of madras, Chennai, India.

Research field: Lewis catalyzed cyclization reactions.

Thesis supervisor: Prof. Dr. Noorjagan,

## Publication:

- 1). "Metal-free annulation/aerobic oxidative dehydrogenation of cyclohexanones with *o*-acylanilines: Efficient syntheses of acridines" Gopal Chandru Senadi, **Ganesh Kumar** Dhandabani, Wan-Ping Hu, Jeh-Jeng Wang\* **Green Chem.**, **2016**, **18**, **6241-6245**. (Senadi, G. C. and G. K. Dhandabani has equal contribution).
- 2). "Palladium-Catalyzed Double-Isocyanide Insertion *via* Oxidative *N-O* Cleavage of Acetyl Oximes: Syntheses of 2*H*-Pyrrol-2-imines" Gopal Chandru Senadi, Ting-Yi Lu, **Ganesh Kumar** Dhandabani and Jeh-Jeng Wang\* **Org. Lett.**, **2017**, **19**, **1172-1175**.
- 3). "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**.
- 4). "Mild Access to *N*-Formylation of Primary Amines using Ethers as C1 Synthons under Metal-Free Conditions" Mohana Reddy Mutra, **Ganesh Kumar** Dhandabani and Jeh-Jeng Wang\* **Adv. Synth. Catal.**, **2018**, **360**, **3960-3968**.
- 5). "FeCl<sub>3</sub> 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**.
- 6) "Regio- and Chemoselective Synthesis of Nitrogen Containing Heterocycles via Oxidative Cascade Cyclization of Unactivated 1,*n*-Enynes" Mohana Reddy Mutra, **Ganesh Kumar** Dhandabani and Jeh-Jeng Wang\* **Chem.comm.**, **2020**, **56**, **2051-2054**.
- 7) "Acid Promoted Intramolecular Decarbonylative Coupling Reactions of Unstrained ketones: A Modular Approach to Synthesis of Acridines and Diaryl ketones" **Ganesh Kumar** Dhandabani, Chia-Ling Shih and Jeh-Jeng Wang\* (**Org. Lett.**, **2020**, **22**, **1955-1960**).
- 8) "Versatile Role of  $\lambda^3$ -Iodanes in the Nenitzescu Indole Synthesis from Quinol and Enaminones" Gopal Chandru Senadi, **Ganesh Kumar** Dhandabani and Jeh-Jeng Wang\* (**Adv. Synth. Catal.**, Under review).