

## Kuldeep Chand / Ph.D

	Nationality: Indian
	Language: English, Hindi and Devanagri (Western Pahari)
	Autobiography: I was born and grew up in Himachal Pradesh, a beautiful hill state in northern India nestled in western Himalayan region. Popularly known as the Devbhumi – "Land of the Gods". I had completed my Bachelor from Himachal Pradesh University, Shimla in 2011 and Master in Pharmacy from Pandit Bhagwat Dayal University, Haryana in 2013. There I was worked under direction the direction of Dr. Rajkishor Rai and Prof. Mohini Kalra in the Design, Synthesis and Characterization of Unnatural Amino Acids. Currently I am a doctoral candidate advised by Prof. Sodio C.N. Hsu at the Kaohsiung Medical University working on the Effect of the chelating ring on oxygenation study of unsymmetrical <i>N</i> -aryl, <i>N'</i> -alkyl- substituted $\beta$ -diketiminato copper(I) and Copper(II) complexes. The focus of work is on the synthesis of ligand frameworks that demonstrate how steric and electronic changes influence reactivity of monocopper and dicopper-oxygen core.

### Doctoral:

Institute: Kaohsiung Medical University

Research field: Bioinorganic Chemistry

Thesis supervisor / Co-advisor: Prof. Sodio C.N. Hsu

### Master:

Institute: Pandit Bhagwat Dayal Sharma University

Research field: Medicinal Chemistry

Thesis supervisor / Co-advisor: Asst. Prof. Mohini Kalara/  
Dr. Rajkishor Rai

## Publications:

1. **Title:** Improved Synthesis of Unsymmetrical *N*-Aryl-*N'*-alkylpyridyl  $\beta$ -Diketimines using Molecular Sieves and their Lithium Complexes.

**Kuldeep Chand**,<sup>[a]</sup> Cheng-Long Tsai,<sup>[a]</sup> Hsuan-Ying Chen,<sup>[a]</sup> Wei-Min Ching,<sup>[b]</sup> Sung-Po Hsu,<sup>\*[c]</sup> James R. Carey,<sup>\*[a,d]</sup> and Sodio C. N. Hsu<sup>\*[a,e]</sup>, *Eur. J. Inorg. Chem.*, **2018**, 1093–1098.

<https://doi.org/10.1002/ejic.201701383>

**IF-2.578**

2. **Title:** Reactivity Study of Unsymmetrical  $\beta$ -Diketiminato Copper(I) Complexes: Effect of the Chelating Ring.

Wan-Jung Chuang,<sup>†,‡</sup> Sung-Po Hsu,<sup>§,||</sup> **Kuldeep Chand**,<sup>†,‡</sup> Fu-Lun Yu,<sup>†,‡</sup> Cheng-Long Tsai,<sup>†,‡</sup> Yu-Hsuan Tseng,<sup>†,‡</sup> Yuh-Hsiu Lu,<sup>†,‡</sup> Jen-Yu Kuo,<sup>†,‡</sup> James R. Carey,<sup>†,‡,⊥</sup> Hsuan-Ying Chen,<sup>†,‡</sup> Hsing-Yin Chen,<sup>†,‡</sup> Michael Y. Chiang,<sup>†,‡,#</sup> and Sodio C. N. Hsu<sup>\*†,‡</sup>, *Inorg. Chem.* **2017**, 56, 2722–2735.

<https://doi.org/10.1021/acs.inorgchem.6b02876>

**IF-4.850**