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## List of Publications

- [1] Nitration of Phenols Using  $\text{Cu}(\text{NO}_3)_2$ : Green Chemistry Laboratory Experiment  
Yadav, U.; **Mande, H.**; Ghalsasi, P. *J. Chem. Educ.* **2011**, *89* (2), 268-270.
- [2] Interplay of chiral auxiliary ligand and azide bridging ligand during the coordination network formation with Copper (II).  
**Mande, H. M.**; Ghalsasi, P. S.; Arulsamy, N., *Cry. Growth Des.* **2014**, *14* (9), 4254-4257.
- [3] Accommodative 'Molecular' Behavior of Non-porous Crystal at Solid-Gas and Solid-Liquid Interfaces.  
**Mande, H. M.**; Ghalsasi, P. S. (*submitted*)
- [4] Chloride anion assisted spontaneous resolution of chiral amines.  
**Mande, H. M.**; Ghalsasi, P. S.; Arulsamy, N. (*submitted*)
- [5] Synthesis, structural and spectroscopic characterization on thermochromic compounds  $\text{A}_2\text{CuCl}_4$ : [(naphthyl ethylamine) $_2\text{CuCl}_4$ ].  
**Mande, H. M.**; Ghalsasi, P. S.; Arulsamy, N. (*submitted*)

## Publications through Collaborative Work (not as a part of Thesis)

- [1] Room-Temperature Ionic Liquid–DMSO Promoted and Improved One-Pot Synthesis of 5,6-Diaryl-1,2,4-triazines  
Tamboli, R. S.; Giridhar R.; **Mande, H. M.**; Shah, S. R.; Yadav, M. R., *Synth. Commun.*, **2014**, 1-13.
- [2] Synthesis of enantiomerically pure helicene like *bis*-oxazines from atropisomeric 7,7'-dihydroxy BINOL: preliminary measurements of the circularly polarized luminescence,  
Shyam, M.; Talele, H.; **Mande, H. M.**; Bedekar, A., *Tetrahedron Lett.* **2014**, *55*, 1760-1764.
- [3] High pressure Raman spectroscopic studies on (*p*-chloroanilinium) $_2\text{CuCl}_4$ .  
Ghalsasi, P.; Garg, N.; **Mande, H. M.**; Ghalsasi, P. S.; *American Institute of Physics Conference Series (AIP)*, **2014**, 1591,158-160.

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## Abstracts Accepted in different Conferences/Symposiums

- **Mande H. M.** and Ghalsasi P. S.; Fluorescence quenching of nanoparticles of T(*p*-Cl)PP and Zn-T(*p*-Cl)PP by colloidal CdS, “International Conference for Vistas in Chemistry (ICVC-2011)” held at IGCAR, Kalpakkam, Tamilnadu (October 11-13, 2011).
- **Mande H. M.** and Ghalsasi P. S; Is it possible to carry out structural transformation from a 2-D to 1-D by substituent change on the Ligand? : Azido bridged MOF study, “XXVI Gujarat Science Congress 2012” held at The Maharaja Sayajirao University of Baroda, Vadodara (September 4, 2012).
- **Mande H. M.**, Ghalsasi P. S. and Arulsamy N.; Synthesis, spectral and Structural studies on dual fluorescence of some thiocyanato anilines, Regional Science Congress on ‘Science for Shaping the Future of India, 2012’ held at The Maharaja Sayajirao University of Baroda, Vadodara (September 15-16, 2012).
- **Mande H. M.**, Ghalsasi P. S. and Arulsamy N.; Synthesis and Studies on Thermo-chromic behaviour of bis(*R*)-(+)-naphthyl-1-ethylammonium tetrachlorocuprate, “DAE-BRNS 4<sup>th</sup> Interdisciplinary Symposium on Material Chemistry (ISMC-2012)” held at Bhabha Atomic Research Centre, Mumbai (December 11-15, 2012).
- **Mande H. M.** and Ghalsasi P. S.; Construction of molecular magnets and molecular ferroelectric materials, Research Scholars Workshop on “Physics of Materials 2013” at UGC-DAE Consortium for Scientific Research, Indore (December 23-24, 2013).
- **Mande H. M.** and Ghalsasi P. S; Accommodative ‘Molecular’ Behavior of Non-porous Crystal at Solid-Gas and Solid-Liquid Interfaces, “International conference on Structural and Inorganic Chemistry”, organized by CSIR-NCL, IISER Pune and SP Pune University (December 4-5, 2014).

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## Participation in Workshops

- “28<sup>th</sup> Annual Conference of Indian Council of Chemists” held at Department of Chemistry, Hemachandacharya North Gujarat University, Patan (November 7-10, 2009).
- ‘Advances in Materials’ organized by Department of Material Science, S.P. University, Vallabh Vidyanagar (January 21-22, 2010).
- Workshop on winter school in “Crystallography” organized by School of Chemistry, University of Hyderabad (Nov-Dec. 22-04, 2010).
- Workshop on ‘Functional Materials’ organized by NWMC-2011 (FUN-MAT) organized by Babha Atomic Research Center, Mumbai (December 7-8, 2011).
- Lecture workshop on “Science of Molecular Materials, Electronic and Energy Applications” organized under Department of Chemistry, The M. S. University of Baroda, Indian National Science Academy, Delhi and National Academy of Sciences, Allahabad (October 3-5, 2012).