

# LIST OF PUBLICATIONS

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- [1]. “Mixed ligand complexes of Copper(II), Cobalt(II), Nickel(II) and Zinc(II) with thiocyanate and pyrazole based tetradentate ligand: Syntheses, characterizations and structures”  
**Mehul H. Sadhu**, A. Solanki, S. B. Kumar.  
*Polyhedron*, 100 (2015) 206-214.
- [2]. “Syntheses, characterization and structure of selenocyanate complexes of nickel(II), cobalt(II) and zinc(II) with a tetradentate pyrazole based ligand”  
**Mehul H. Sadhu**, S. B. Kumar.  
*Transition Metal Chemistry* 40 (7),(2015) 755-762.
- [3]. “Synthesis, Characterization and Structures of Copper(II), Nickel(II), Cobalt(II) and Cadmium(II) complexes involving N<sub>4</sub>-donor ligand and cyanate as coligand : Formation of 1D and 2D crystallographic networks by short intermolecular interactions”  
**Mehul H. Sadhu**, S. B. Kumar.  
*Polyhedron*, 123 (2017) 419-429.
- [4]. “Binuclear copper(II) complexes with N<sub>3</sub>S-coordinate tripodal ligand and mixed azide-carboxylate bridges: Synthesis, crystal structures and magnetic properties”  
**Mehul H. Sadhu**, C. Mathoniere, Y. P. Patil, S. B. Kumar.  
*Polyhedron*, 122 (2017) 210-21.
- [5]. “Direct C–N bond formation in an in situ ligand transformation reaction and formation of polymeric 1D cadmium(II) complexes with end-to-end bridging thiocyanate or selenocyanate ions: Synthesis, structures and theoretical studies”  
**Mehul H. Sadhu**, A. Solanki, T. Kundu, V. Hingu, B. Ganguly, S. B. Kumar.  
*Polyhedron* 133(2017) 8-15.
- [6]. “Mononuclear copper(II) and binuclear cobalt(II) complexes with halides and tetradentate nitrogen coordinate ligand: Synthesis, structures and bioactivities”  
**Mehul H. Sadhu**, S. B. Kumar, J. Kaur Saini, S. S. Purani, T. R. Khanna.
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- Inorganica Chimica Acta*, 466 (2017) 219–227.
- [7]. “Zinc(II) and Cadmium(II) complexes with N<sub>4</sub>-coordinate pyrazole based ligand: Syntheses, characterizations and structures”  
A. Solanki, **Mehul H. Sadhu**, S. B. Kumar, Partho Mitra.  
*Journal of Molecular Structure*, 1076 (2014) 475-482.
- [8]. “Ternary complexes of Copper(II) and Cobalt(II) Carboxylate with Pyrazole based ligand: Syntheses, Characterization, Structures and Bioactivities”  
A. Solanki, **Mehul H. Sadhu**, S. Patel, R. Devkar, S. B. Kumar.  
*Journal of Molecular Structure* 1101 (2015) 155-16).
- [9]. “Ternary Complexes of Copper(II) and Cobalt(II) involving Nitrite / Pyrazole and tetradentate N<sub>4</sub>-coordinate ligand: Synthesis, Characterizations, Structures and Antimicrobial activity”  
A. Solanki, **Mehul.H. Sadhu**, S. B. Kumar.  
*Polyhedron* 102 (2015) 267–275.
- [10]. “Mononuclear Copper(II) halide complexes with tetradentate N<sub>3</sub>S-coordinate ligands: Synthesis, Structures and Bioactivities.”  
**Mehul H. Sadhu**, S. B. Kumar, J. Kaur Saini, S. S. Ingle.  
*Polyhedron* (manuscript submitted).
- [11] “Synthesis, characterization and structures of copper(II) and cobalt(II) complexes containing N<sub>3</sub>S-coordinated tetradentate ligand and azide/thiocyanate/ nitrite coligand”  
**Mehul H. Sadhu**, S. B. Kumar.  
*Polyhedron* (manuscript submitted).