

Spectroscopic Characterization and Antimicrobial Studies of Some Novel Complexes

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ABSTARCT:

Coordination chemistry is a very rapidly growing branch due to its multidisciplinary characteristics. Biologically important molecules have tendency to form complex with natural receptor sites as well as coordinate compounds with biologically important metal ions. Furthermore, coordination compounds are found to be, sometimes, more physiologically active in comparison with the parent bioactive ligand. Furthermore, ligands with heterocyclic system and multiple functional groups are found to be much physiologically active. Therefore, similar kind of ligands have been taken in there complexes are prepared with Zn(II), Mn(II), Co(II), Ni(II), Cd(II), Cu(II) and Hg(II) These are characterized by spectroscopic methods and subjected to biochemical studies.