NMR STUDIES OF SOME Zn AND Cd COORDINATION COMPOUNDS BEARING 1,2-CYCLOHEXANEDIONEDIOXIME

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Abstract. A series of homobi- and polynuclear zinc and cadmium coordination compounds supported by 1,2-cyclohexanedionedioxime (nioxime, NioxH₂) and bridging bidentate ligands: 4,4'-bipyridyl (bpy), 1,2-bis(4-pyridyl) ethane (bpe), 1,3-bis(4-pyridyl) propane (bpp) and dipyridyl sulphide (dps) have been characterized by the experimental techniques of 1H and 13C NMR spectroscopy. Individual NMR data of the compounds are consistent with their assignment as complexes.

Keywords: NMR, zinc, cadmium, oxime, homodinuclear complex, coordination polymer.

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