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

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Abstract. A series of homobi- and polynuclear zinc and cadmium coordination compounds supported by 1,2-cyclohexanedionedioxime (nioxime, $NioxH_2$) 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 ^{1}H and ^{13}C 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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