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Title:	New Hexadentate Ancillary Ligands and Their Metal Organic Coordination Networks				
Authors:	Verma, Gaurav (/jspui/browse?type=author&value=Verma%2C+Gaurav)				
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Abstract:	Two new hexadentate ligands, N, N', N", N"'-tetrakis-(4-pyridylmethyl)-1,4-diaminobutane (4-pytpbn) and N,N"-bis-(2-pyridylmethyl)-N',N"'-bis-(4-pyridylmethyl)-1,4-diaminobutane (2,4-pytpbn) have been synthesized and structurally characterized. Complexes of 4-pytpbn of the 2+ 2+ 2+ 2+general formula [M(4-pytpbn)X2], where M = Co (1, 2, 5), Cd (3), Cu (4); X = NO3, Cl , -2+ 2+ 2+ 2- 2-2-ClO4, and [M2A2(4-pytpbn)], where M = Zn (6), Cd (7) and Ni (8, 9), A = adc, fum, succ2-, have been synthesized. All these complexes have been characterized by elemental analysis, FTIR spectroscopy, thermogravimetric analysis and powder X-ray diffractometry. Single crystal X-ray analysis of the ligands and preliminary results of 1 and 2 that establish the presence of expected pores in these are also reported.				
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