

Two New Mn(II) and Co(II) Complexes with the Tridentate 2,4,6-Tris(2-pyridyl)-1,3,5-triazine Ligand

Arpi Majumder^a, Chirantan Roy Choudhury^a, Samiran Mitra^a, Christoph Marschner^b, and Judith Baumgartner^b

^a Department of Chemistry, Jadavpur University, Kolkata – 700 032, India

^b Institut für Anorganische Chemie, Technische Universität Graz,
Stremayrgasse 16, A-8010 Graz, Austria

Reprint requests to Prof. S. Mitra. Fax: 91-33-2414-6266. E-mail: smitra_2002@yahoo.com

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Two new complexes of manganese(II) and cobalt(II), [Mn(tptz)(OCH₃CO)(H₂O)₂](ClO₄) (**1**) and [Co(tptz)(OSO₃)(H₂O)₂](H₂O)₂ (**2**) {where tptz = 2,4,6-tris(2-pyridyl)-1,3,5-triazine}, have been prepared and characterised by elemental analyses, spectroscopic, electrochemical studies and single crystal X-ray diffraction. Single crystal X-ray analysis reveals complexes of Mn(II) and Co(II), where tptz remains intact and behaves as a tridentate ligand and forms heptacoordinated Mn(II) and hexacoordinated Co(II) complexes for **1** and **2**, respectively.

Key words: Heptacoordinated Mn(II), Hexacoordinated Co(II), Tptz