

List of Publications of M. S. Hundal

1. **Mesitylene based azo-coupled chromogenic tripodal receptors- a visual detection of Ag(I) in aqueous medium.** Vimal K. Bhardwaj, Narinder Singh, Maninder Singh Hundal and Geeta Hundal, *Tetrahedron*. 2006, 62, 7878-7886.
2. **Alkaloids from Toddalia aculeata.** S.C. Jain, M. Pandey, R.K. Upadhyay, R. Kumar, Geeta Hundal and Maninder Singh Hundal. *Phytochemistry*. 2006, 67, 1005-1010.
3. Efficient and versatile single pot approach to dipyrromethanes and bis(heterocycl)methanes. Kamaljit Singh, Sonia Behal and **Maninder Singh Hundal** . *Tetrahedron*. 2005, 61, 6614-6622.
4. Supramolecular architectures with ladder and lamellar topologies using metal ligand coordination via C-H...Cl and O-H...Cl bonding. V. Balamurugan, Jhumpa Mukherjee, **Maninder Singh Hundal** & Rabinderanath Mukherjee. *J. Mol. Structure* 2005 In Press.
5. Zinc templated synthesis- a route to get metal ion free tripodal ligands and lariat coronands, containing Schiff bases. Narinder Singh, Geeta Hundal, **Maninder Singh Hundal** and Martin Martinez Ripoll. *Tetrahedron*. 2005, 61, 7796-7806.
6. Stereoselective synthesis of Z-3-alkoxy-2-[(4'-methoxyphenyl)methylidene]-1(3H)-isobenzofuranones. Mona Kapoor, Som Nath Dhawan, Satbir Mor, Subhash Bhatia, Satish C. Gupta and **Maninder Singh Hundal**. *Tetrahedron*. 2003, 59, 5027-5031.
7. Copper(II) complexes of N-octylated Bis(benzimidazole)diamide ligands and their peroxide-dependent oxidation of aryl alcohols. Sarita Tehlan, **Maninder Singh Hundal** and Pavan Mathur. *Inorg. Chem*. 2004, 43, 6589-6595.
8. Fixation of CO₂ in air: Synthesis and crystal structure of a μ_3 -bridged tricopper(II) compound. Jhumpa Mukherjee, V. Balamurugan, **Maninder**

- Singh Hundal** & Rabinderanath Mukherjee. *J. Chem. Sci.* 2005, 117, 111-116. (Special issue on status of Bioinorganic in India).
9. First Systematic study of C-H...Cl hydrogen bonding using inorganic supramolecular synthons: laminar, stitched stair case, linked-ladder, and helical structures. V. Balamurugan, **Maninder Singh Hundal** & Rabindranath Mukherjee. *Chem. Euro. J.* 2004, 10, 1683-1690.
 10. Crystal structure determination of (triethyleneglycol)bis(3,5-dinitrobenzoate)stronium(II) monohydrate. Geeta Hundal & **Maninder Singh Hundal**. *J. of Chemical Crystallography*. 2004, 34, 7, 447-451.
 11. Preparation of p-nitrocalix[n]arene methyl ethers via ipso-nitration and crystal structure of tetramethoxytetra-p-nitrocalix[4]arene. Satish Kumar, R. Vardarajan, H. M. Chawla, Geeta Hundal & **Maninder Singh Hundal**. *Tetrahedron*. 2004, 60, 1001-1005.
 12. X-ray crystal structure of 2-{2-acetylamino-4-[bis-(2-methoxycarbonyl)ethyl]amino]-phenylazo}-4-methylthiazole-5-carboxylic acid ester. Kamaljit Singh, Sarabjit Singh, Parveen Kumar Garg and **Maninder Singh Hundal**. *Color. Technology*. 2004, 120-127.
 13. Stereoselective synthesis of Z-3-alkoxy-2[4'-methoxyphenyl)methylidene]-1(3H)-isobenzofuranones. M. Kapoor, S.N. Dhawan, S.C. Bhatia, S.C. Gupta and **Maninder Singh Hundal**. *Tetrahedron* 2003, 5027-5032.
 14. Metal complexes of tetrapodal ligands: Synthesis, spectroscopic and thermal studies and X-ray crystal structure studies of Na(I), Ca(II), Sr(II) and Ba(II) complexes of tetrapodal ligands: N,N,N',N'-tetrakis(2-hydroxypropyl/ethyl)ethylenediamine. Geeta Hundal, **Maninder Singh Hundal**, Sangeeta Obrai, N. S. Poonia & Subodh Kumar. *Inorg. Chem.* 2002, 41, 8, 2077-2086.
 15. Tandem sigmatropic shifts in [4+2] cycloaddition reactions of 1,3-diazabuta-1,3-dienes with butadieniketene: synthesis of pyrimidinone derivatives. Arun Kumar Sharma, S. Jayakumar, **Maninder Singh Hundal** and Mohinder Pal Mahajan, *J. Chem. Soc., Perkin Trans. 1*, 2002, 774-784.
 16. Crystal structure of 12H⁺-2,4-Benzo-1,5-dioxa-8,12,16-triaza-cyclooctadec-

- 2-ene- 7,17-DionePicrate. Geeta Hundal, Subodh Kumar, **Maninder Singh Hundal** & Harjit Singh. *Z. Krist.* 2002, 217, 24-26.
17. Synthesis and characterisation of 4,4'-bipyridine bridged supramolecules derived from [(N-N)Cu(H₂O)₄]X₂, [(N-N) = diamine] and linear 4,4'-bipyridine. X-ray crystal structure of [(2,2'-bpy)Cu(4,4'-bpy)(OCIO₃)₂]_n and [(1,10-phen)Cu[(4,4'-bpy)(OCIO₃)_n](ClO₄)_n.nH₂O. Sukhvinder Kaur Chawla, **Maninder Singh Hundal**, Jaspreet kaur, Sangeeta obrai, *Polyhedron.* 2001, 20, 2105-2111.
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20. Heterocalixarenes. Part 1. Calix[2]uracil[2]arene: Synthesis, X-ray Structure, Conformational Analysis and Binding Character. Subodh Kumar, Geeta Hundal, Dharam Paul, **Maninder Singh Hundal** & Harjit Singh. *J. Org. Chem.*, 1999, 64, 7717-7726.
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22. (2,5,8,11,14-Pentaoxapentadecane-κ⁵O)bis(2,4,6-trinitrophenolato-O1,O2) calcium(II). Narinder Singh Poonia, Geeta Hundal, Sangeeta Obrai, **Maninder Singh Hundal**. *Acta Cryst.*1999, C55, 26-28.
23. The Synthesis and X-ray Structure Analysis of an Unusual Bent Anthraquinone Based Coronand. Subodh Kumar Geeta Hundal, Vandana Bhalla, **Maninder Singh Hundal** & Harjit Singh. *J. Chem. Res. (s)*, 1998, 794-795.

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26. Synthesis Ionophores 16. Synthesis and Association Behaviour of Bis-Pyridine Tetramide Macrocycles: Role of Increased Preorganisation on Ag⁺ Selectivity. Subodh Kumar, **Maninder Singh Hundal**, Geeta Hundal, Navneet Kaur and Harjit Singh. *Tetrahedron*, 53, no. 31, 1997. 10841-10850.
27. Bis-Pyridine-Tetramide 18-Membered Macrocycles. Role of Increased Preorganisation on Ag⁺/ Pb²⁺ Selectivity. Subodh Kumar, Geeta Hundal, Navneet Kaur, **Maninder Singh Hundal** & Harjit Singh. *Tetrahedron Lett.*, 38, 1997. 131-132.
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