

## List of Publications

1. Synthesis of 1D  $\{Cu_6(\mu_3-SC_3H_6N_2)_4(\mu_2-SC_3H_6N_2)_2I_4\}_n$  and 3D  $\{Cu_2(\mu_2-SC_3H_6N_2)_2(\mu_2-S,N-SCN)_2\}_n$  Polymers with 1,3-Imidazolidine-2-thione. T. S. Lobana, Renu Sharma, **Geeta Hundal** and R. J. Butcher. *Inorg. Chem.* 2006 (In Press).
2. Crystal structures of copper(I) bromo-bridged  $[Cu_2(\mu_2-Br)_2(SePPh_3)_2(NCCH_3)_2]$  and selenium bridged  $[Cu_2I_2((\mu_3-dppm-Se,Se)_2).2CH_3CN]$  dimeric complexes.  
T. S. Lobana, Pooja, Pooja Mahajan, Ajaypal S. Pannu, **Geeta Hundal** and R. J. Butcher. *J. Coord. Chem.* 2006 (In press)
3. Tetracyanoquinodimethane complexes of copper and a 17-membered N, O-donor macrocycle. Paramjit Kaur, Anjali Sarangal, **Geeta Hundal** and Eric Mc innes. *J. Coord. Chem.* 2006, 59, 821-826.
4. 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.
5. 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.
6. Convenient synthesis of selectively substituted tribenzo[a,d,g]cyclononatrienes. Ananya Chakrabarti, H. M. Chawla, **Geeta Hundal** and N. Pant. *Tetrahedron*, 2005, 61, 12323-12329.
7. Narinder Singh, **Geeta Hundal**, Maninder Singh Hundal and Martin Martinez Ripoll. Zinc templated synthesis- a route to get metal ion free tripodal ligands and lariat coronands, containing Schiff bases. *Tetrahedron*. (2005) 61, 7796-7806.
8. Narinder Singh and **Geeta Hundal**. New tripodal ligands containing aza-thioethers as selective extractants for silver(I). *J. Inclusion Phenomenon and Macrocyclic Chem.* (2005) 52, 253-259.

9. Ramesh Kapoor, Ashok Kataria, Anuradha Pathak, Polath Venugopalan, **Geeta Hundal** & Partibha Kapoor. X-ray diffraction, spectral and magnetic studies of the nickel(II) thiocyanate complexes with tridentate 2,6-dithiocarboxamidopyridine SNS and 2,6-dicarboxamidopyridine ONO ligands: Influence of donor atoms on coordination geometry of nickel. *Polyhedron*, 24 (2005), 1221-1231.
10. Ramesh Kapoor, Ashok Kataria, Anuradha Pathak, Polath Venugopalan, **Geeta Hundal** & Partibha Kapoor. Coordination chemistry of N,N,N',N'-tetraethylpyridine-2,6-dithiocarboxamide(S-dept). X-ray crystal structures and magnetic properties of [Co(S-dept)X<sub>2</sub>] [X= Br,I, and NCS], *Euro. J. Inorg. Chem.* (2005), 3884-3893.
11. Paramjit Kaur, Anjali Sarangal, **Geeta Hundal** & T. V. Chandrasekhar Rao. Tetracyanoquinodimethane complexes of nickel(II) with N,O-donor macrocycle. *J. Coord Chem.* (2005), 6, 495-500.
12. Narinder Singh, Manoj Kumar & **Geeta Hundal**. Synthesis, NMR, X-ray structural analysis and complexation studies of new Ag<sup>+</sup> selective calix[4]arene based dipodal hosts- a co-complexation of neutral and charged species. *Tetrahedron*. (2004) 60, 5393-5405.
13. Narinder Singh, Manoj Sharma & **Geeta Hundal**. Zinc mediated synthesis of a heteroditopic ligand with hard and soft sites. *Inorganica Chimica Acta*. (2004) 357, 4286-4290.
14. Vandana Arora, H.M. Chawla & Geeta Hundal. X-ray crystal and molecular structure of upper rim monoformylated calix[4]arene system. *J. Chemical Crystallography*. (2004) 34, 7, 465-469.
15. Crystal structure determination of (triethyleneglycol)bis(3,5-dinitrobenzoate)stronium(II) monohydrate. *J. Chemical Crystallography*. (2004) 34, 7, 447-451.
16. Satish Kumar, R. Vardarajan, H. M. Chawla, **Geeta Hundal** & Maninder Singh Hundal. Preparation of p-nitrocalix[n]arene methyl ethers via ipso-nitration and crystal structure of tetramethoxytetra-p-nitrocalix[4]arene. *Tetrahedron*. (2004) 60, 1001-1005.

17. Ravi Shankar, Mukesh Kumar, Raj K. Chadha & **Geeta Hundal**. Synthesis, characterisation and hydrolytic behavior of mixed-ligand diorganotin esters,  $[\text{R}_2\text{Sn}(\text{O}_2\text{CR}')\text{OSO}_2\text{Me}]_2$  ( $\text{R} = n\text{-Pr}, n\text{-Bu}; \text{R}' = \text{C}_9\text{H}_6\text{N-2}, 4\text{-OMe-C}_9\text{H}_5\text{N-2}, \text{C}_9\text{H}_6\text{N-1}$ ). *Inorg. Chem.* (2003) 42, 8585-8591.
18. **Geeta Hundal**, Maninder Singh Hundal, Sangeeta Obrai, N. S. Poonia & Subodh Kumar. 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. *Inorg. Chem.* (2002) 41, 8, 2077-2086.
19. T.S. Lobana & **Geeta Hundal**. Metal- selenium interactions: Synthesis and crystal structure of an unusual coordination polymer[tetraiodo-bis{1,2-bis(diphenylselenophosphinyl)-ethanetetracopper(I)} $_{\text{n}}$ ,  $[\text{Cu}_4\text{I}_4\{\text{Ph}_2\text{P}(\text{Se})\text{-(CH}_2)_2\text{-P}(\text{Se})\text{Ph}_2\}_2]_{\text{n}}$ - First example. *J. Chem. Soc. Dalton Trans.* (2002) 2203-06.
20. **Geeta Hundal**, Subodh Kumar & Narinder Singh. Structure of 6-Ethylidene-4-vinyl-18, 21-dioxa-15, 24-dithia-2,5,8-triazatricyclo[23.4.0.0<sup>9,14</sup>]nonacosa-1(25), 4, 9,11,13, 26, 28-heptaene-3, 7-dione : a 21 membered dioxa-dithia-diamide based macrocycle. *Z. Krist. NCS* (2002) 217, 104-106.
21. **Geeta Hundal**, Subodh Kumar, Maninder Singh Hundal & Harjit Singh. Crystal structure of  $12\text{H}^+$ -2,4-Benzo-1,5-dioxa-8,12,16-triaza-cyclooctadec-2-ene- 7,17-DionePicrate. *Z. Krist.* (2002) 217, 24-26.
22. T. S. Lobana, Renu Verma, **Geeta Hundal** & Alfonso Castineiras. Metal-heterocyclic thione interactions.12. Heterocyclic 2-thiolates of Platinum(II) and Palladium(II): the crystal structures of the first example of cis-[M( $\eta^1$ -S-pyridine-2-thiolateo)2(L-L)]  $\{\text{M}=\text{Pt}, \text{Pd}, \text{L-L}=1,2\text{-bis(diphenylphosphino)ethane}; \text{M}=\text{Pt}, \text{L-L}=1,2\text{-bis(diphenylphosphino)ethane}\}$  complexes. *Polyhedron*, (2000) 19, 899-906.
23. Subodh Kumar, **Geeta Hundal**, Dharam Paul, Maninder Singh Hundal & Harjit Singh. Heterocalixarenes part 4: Synthesis of

- oxocalix[1]heterocalix[2]arenes: A unique H-bonding network in calix[1]benzimidazol-2-one[2]arene.1/2H<sub>2</sub>O. *J. Chem. Soc. Perkin I*, (2000) 2295-2301.
24. Subodh Kumar, Dharam Paul, **Geeta Hundal**, Maninder Singh Hundal & Harjit Singh. Heterocalixarenes part 3: Bis-oxo-bridged Calix[1]cyclicurea[3]arene and Calix[1]cyclicurea[1] pyridine[2]arenes. Synthesis, X-ray crystal structure and conformational analysis. *J. Chem. Soc. Perkin I*,(2000) 1037-43.
25. Manoj Kumar, **Geeta Hundal**, Vandana Bhalla, Madhu Singh & Mangal Singh. Crystal Structure of a Calix[4] crown Ether-Ester and Molecular Recognition of alkyl- and Arylalkylamines. *J of Inclu. Phen. and Macro. Chem.*, (1999) 1-12 .
26. Subodh Kumar, **Geeta Hundal**, Dharam Paul, Maninder Singh Hundal & Harjit Singh. Heterocalixarenes. 1. Calix[2]uracil[2]arene: Synthesis, X-ray Structure, Conformational Analysis and Binding Character. *J. Org. Chem.*, (1999) 64, 7717-7726.
27. A. K. Sharma, **Geeta Hundal** , Sangeeta Obrai & Mohinder P. Mahajan. Highly Regioselective Cycloaddition Reactions of N-arylamino 1,3-diazabuta-1,3-diene  $\alpha$ - nitrostyrenes: Synthesis of functionalised imidazoles and imidazoles oxides. *J. Chem. Soc. Perkin I*, (1999) 615-619.
28. N. S. Poonia, Neeru Chhabra, W.S. Sheldrick , **Geeta Hundal** & Maninder Singh Hundal. Bis (triethanolamine)Strontium (II) bis(2,4-dinitrophenolate). *Acta Cryst.* (1999), C55, 24-26.
29. Narinder Singh Poonia, **Geeta Hundal**, Sangeeta Obrai, Maninder Singh Hundal. (2,5,8,11,14-Pentaoxapentadecane- $\kappa^5$ O)bis(2,4,6-trinitrophenolato-O1,O2) calcium(II). *Acta Cryst.* (1999) C55, 26-28.
30. T. S. Lobana, Seema Paul, **Geeta Hundal** & Sangeeta Obrai. The chemistry of pyridinethiols and related ligands, Part 9: Synthesis and spectroscopic studies and crystallographic studies of sulphur bridged dimeric[ $\{\eta^3-(O-\mu-S)-1\text{-oxopyridine-2-thione}\}$ triphenylphosphine)silver(I)]. *Trans. Metal Chem.* (1999) 24, 202-205.

31. H. Singh, Dolly, M.S. Hundal, **Geeta Hundal**, Palwinder Singh, S. S. Singh & Subodh Kumar. Acid catalysed reactions of 5-formyluracils with enamines. A facile synthesis of 5-acyluracils. *Tetrahedron*, (1998) 54, 7563-7572.
32. Subodh Kumar, Maninder Singh Hundal, **Geeta Hundal**, Palwinder Singh, Vandana Bhalla & Harjit Singh. Synthetic Ionophores Part 18: Ag<sup>+</sup> selective trithiabenzena- and ditiabenzopyridinacyclophanes. *J. Chem. Soc. Perkin II* (1998) 925-932.
33. Subodh Kumar, Geeta Hundal, Vandana Bhalla, Maninder Singh Hundal & Harjit Singh. Synthesis and X-ray structure analysis of an unusual bent anthraquinone based coronand. *J. Chem. Res. (S)* (1998) 794-795.
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35. Subodh Kumar, Maninder Singh Hundal, **Geeta Hundal**, Navneet Kaur & Harjit Singh. Synthetic Ionophores 16: Synthesis and association behaviour of bis-pyridine-tetramide receptors. The role of increased preorganisation on Ag<sup>+</sup> selectivity. *Tetrahedron* (1997), 53,10841-50.
36. **Geeta Hundal**, Subodh Kumar, Harjit Singh, Maninder Singh Hundal, Juliana Sanz-Aparicio & Martin Martinez Ripoll. 10H<sup>+</sup>-2,3- benzo-1,4-dioxa-7,10,13-triazacyclopentadec- 2- ene-6,14-dione- picrate hydrate (1/1/1). *Acta Cryst.* (1997) C53, 799-801.
37. Robert S. Paley, M. Belen Rubio, Roberto Fernandez de la Pradilla, Rocio Dorado, **Geeta Hundal** & Martin Martinez-Ripoll. Diastereoselective formation of an [η<sup>4</sup>-(1Z)-sulfinyl diene]iron(0) tricarbonyl complex. *Organometallics* (1996)15, 22, 4672-4674.
38. Subodh Kumar, Maninder Singh Hundal, Harjit Singh, Navneet Kaur, Rajinder Singh Syan, **Geeta Hundal**, Martin Martinez Ripoll & Julia Sanz Aparicio. Synthetic ionophores part 13: Pyridine-diamide-diester receptors: Remarkable effect of amide substituents on molecular organization and silver

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39. Javier G. Luis, El Hassane Lahlou, Lucia S. Andres, **Geeta Hundal nee Sood** & Martin Martinez Ripoll. Apiananes: C<sub>23</sub> Terpenoids with a new type of skeleton from *Salvia apiana*. *Tetrahedron Lett.* (1996) 37, 24, 4213-16.
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54. S. S. Sandhu, M. S. Hundal, **Geeta Sood** & S. S. Dhillon. Synthesis, spectroscopic and magnetic studies complexes of copper(II) with N-protected amino acids: crystal and molecular structure of tetrakis- $\alpha$ -(N-benzoyl- $\mu$ -alaninato)-diaquodicopper(II). *J. Chem. Soc. Dalton Trans.* (1989) 1341-1344.
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