


Title	Dr	First Name	Jyoti	Last Name	Singh	Photograph
Designation		Assistant Professor				
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Webpage		NA				
Educational Qualification						
Degree		Institution			Year	
Ph.D.		University of Delhi			2004-2009	
M.Phil.		NA				
PG		Hindu college, University of Delhi			2002-2004	
UG		Zakir Husain College, University of Delhi			1999-2002	
Career Profile						
<p>1. Joined as an Adhoc Assistant Professor on 28/07/2010, in DeenDayalUpadhyaya College, Department of Chemistry, Shivaji Marg, Karampura, New Delhi – 110015 till 21/05/2012</p> <p>2. Joined as an Adhoc Assistant Professor on 02/08/2012, in Zakir Husain Delhi College, Department of Chemistry, Jawaharlal Nehru Marg, New Delhi-110002 till 20/07/2015.</p> <p>3. Joined as an Adhoc Assistant Professor on 21/07/2015, in Zakir Husain Delhi College, Department of Chemistry, Jawaharlal Nehru Marg, New Delhi-110002 till date</p>						
Administrative Assignments						
NA						
Areas of Interest / Specialization						
Organic Chemistry, Bioinorganic chemistry						
Subjects Taught						
Chemistry						
Research Guidance						
NA						
Publications Profile						
<p>[1] Synthesis, characterization and structures of copper(II) complexes with amide-based ligands: Unusual formation of a linear trimer and a zig-zag chain and their contrast magnetic behaviour, <b>Jyoti Singh</b>, GeetaHundal, Montserrat Corbella and Rajeev Gupta, <i>Polyhedron</i> <b>26</b> (2007), 3893-3903. (Impact Factor: 1.946, Online ISSN: 0277-5387)</p> <p>[2] Studies on Nickel(II) complexes with amide-based ligands: syntheses, structures, electrochemistry and oxidation chemistry, <b>Jyoti Singh</b>, GeetaHundal and Rajeev Gupta, <i>Eur. J. Inorg. Chem</i> (2008),</p>						

2052-2063. (Impact Factor: 3.12, Online ISSN: 1099-0682)

[3] Mononuclear and Dinuclear Nickel(II) and Copper(II) Complexes with the Pyrrole–Amide Ligand: Core Conversion Studies and Unusual Presence of a Cu<sub>2</sub>-Dimer and a Cu-Monomer in the Same Unit Cell, **Jyoti Singh**, GeetaHundal and Rajeev Gupta, *Eur. J. Inorg. Chem*(2009), 3259-3265. (Impact Factor: 3.12, Online ISSN: 1099-0682)

[4] Unsymmetrical dizinc complexes as models for the active sites of phosphohydrolases Martin Jarenmark, Edit Csapó, **Jyoti Singh**, Simone Wöckel, Etelka Farkas, Franc Meyer, Matti Haukka and Ebbe Nordlander, *Dalton Transactions*(2010), **39**, 8183-8194. Impact Factor: 3.806, Online ISSN: 1477-9234

[5] Nickel and Copper Complexes of Pyrrolicarboxamide Ligands – Stabilization of M<sup>3+</sup> Species and Isolation of Ni<sup>3+</sup> Complexes, Sushil Kumar, Megha Munjal, **Jyoti Singh**, and Rajeev Gupta, *Eur. J. Inorg. Chem*(2014), 4957-4965. (Impact Factor: 3.12, Online ISSN: 1099-0682)

#### Conference Organization/ Presentations

[1] Unusual coordination mode of a tetradentate amide-amine hybrid ligand to afford a linear trinuclear copper(II) complex: Synthesis, structure and properties, **Jyoti Singh**, GeetaHundal and Rajeev Gupta, Presented at **Modern Trends in Inorganic Chemistry (MTIC-XI)** held at Department of Chemistry, Indian Institute of Technology- Delhi (December 8-10, 2005)

[2] Variable coordination modes of tetradentate amide-amine hybrid based ligands : synthesis, structures and properties of nickel and copper complexes, **Jyoti Singh**, GeetaHundal and Rajeev Gupta, Presented at **National Symposium on New Challenges in Chemistry** held at Department of Chemistry, Guru Nanak Dev University (March 20-21, 2006).

[3] Snapshots of amide chemistry: from bioinorganic models to heterometallic complexes to supramolecular assemblies, Savita K. Sharma, Anurag Mishra, **Jyoti Singh**, Amit P. Singh, MeghaMunjal and Rajeev Gupta, Presented at **National Symposium in Chemistry (NSC-10)** of *Chemical Research Society of India (CRSI)* held at Department of Chemistry, University of Delhi (February 1-4, 2007)

[4] Structures and properties of nickel and copper complexes with amide – based ligands, **Jyoti Singh**, MeghaMunjal, GeetaHundal and Rajeev Gupta, Presented at **Modern Trends in Inorganic Chemistry (MTIC-XII)** held at Department of Chemistry, Indian Institute of Technology- Madras, Chennai (December 6-8, 2007)

[5] Coordination chemistry with amide-based macrocyclic and open-chain ligands,

MeghaMunjal, Savita Sharma, **Jyoti Singh** and Rajeev Gupta, Presented at **National Symposium in Chemistry (NSC-11)** of *Chemical Research Society of India* (CRSI) held at Department of Chemistry, Indian Institute of Science- Bangalore (February 1-3, 2008)

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

Awarded third **prize for the poster presentation** at international conference "**Modern Trends in Inorganic Chemistry (MTIC-XII)**", held at Department of Chemistry, Indian Institute of Technology- Madras, Chennai (December 6-8, 2007)

Association With Professional Bodies

Worked as a content writer for the project by UGC on e-content Development for PG courses in Chemistry under NMEICT, MHRD, Govt. of India. (2013-2015)