




# Gargi College (University of Delhi)

Curriculum vitae of **Dr. Manisha Singla**, Department of Chemistry

Title	Dr.	First Name	Manisha	Last Name	Singla
<b>Designation</b>	Assistant Professor				
<b>Address</b>	Department of Chemistry Gargi College, Siri Fort Road University of Delhi Delhi- 110049				
<b>Phone No.</b>	Office:				
	Residence:	8368072406			
	Mobile:	9717361004			
<b>Email</b>	manisha.singla@gargi.du.ac.in				
<b>Website</b>					
<b>Educational Qualifications</b>					
<b>Degree</b>		<b>Institution</b>			<b>Year</b>
Ph.D.		Delhi University			2008
M.Sc. Chemistry		Miranda House, Delhi University			2004
B.Sc.(H) Chemistry		Miranda House, Delhi University			2002
<b>Career Profile</b>					
<b>Designation</b>		<b>Institution</b>			<b>Duration</b>
Assistant Professor		Gargi College, DU			23 <sup>rd</sup> October 2023 onwards
Assistant Professor (ad-hoc)		Gargi College, DU			17 July 2017- 31 March 2020; 21 October 2023- 23 October 2023
Assistant Professor (ad-hoc)		Maitreyi College, DU			Aug 2015-Jan 2016.
Assistant Professor (ad-hoc)		Keshav Mahavidhyalya, DU			Jan 2014- May 2015
Assistant Professor (ad-hoc)		Hindu College, Delhi University,			Jan-Mar 2013
Assistant Professor (ad-hoc)		Shivaji College, DU			Jul – Dec 2012
Assistant Professor (ad-hoc)		Miranda House, DU,			Aug 2010 - Apr 2011 Jul- Sept 2011.
<b>Administrative Assignments</b>					
<ul style="list-style-type: none"> <li>• Member of NSS, Training and placement cell, Gargi College, 2023 onwards •</li> <li>• Member of Prize Committee, Gargi College, 2018 – till date.</li> </ul>					

<b>Areas of Interest / Specialization</b>	
<b>Specialization</b>	Inorganic
<b>Areas of Interest</b>	Nano chemistry, Coordination chemistry

<b>Other Skills</b>	
<b>Subjects Taught</b>	
<ul style="list-style-type: none"> <li>• Atomic structure and chemical bonding</li> <li>• Organometallic and bio-inorganic chemistry</li> <li>• Chemistry of s,p block elements</li> <li>• Coordination chemistry</li> </ul>	
<b>Awards and Honors</b>	
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<b>Students Projects</b>	
<ul style="list-style-type: none"> <li>• Effect of Chemicals on Stone Monuments and Ways to prevent the Corrosion of monuments 2019-2020</li> <li>• Green Synthesis of Zinc Oxide nanoparticles from various plant extracts and their application in photoreduction and cosmetic products 2021-2022</li> </ul>	
<b>Publications</b>	
<ol style="list-style-type: none"> <li>1. <b>“Oxidation of electron deficient olefins using a Copper (II) complex based on a bis benzimidazole diamide ligand”</b>. Manisha Singla , Pavan Mathur, Manisha Gupta, M.S. Hundal ; <b>Transition Metal Chemistry, 2008, 33,175-182</b> 0340- 4285 (<b>impact factor- 2.31</b>)</li> <li>2. <b>“Oxidation of alcohols using a Manganese (II) complex based on a pentakis Benzimidazole penta amide ligand”</b> Manisha Singla and Pavan Mathur; <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i>,2009, 74(2), 536-543 [<b>1386-1425;4.83</b>]</li> <li>3. <b>“Antimalaria evaluation of Copper(II) nanohybrid solids:Inhibition of Plasmeprin II, a hemoglobin-degrading aspartic protease from <i>Plasmodium falciparum</i> using nonpeptidyl copper (II) nanohybrid solids”</b> S.C.Mohapatra, H.K.Tiwari, M. Singla, B. Rathi, A. Sharma, Kuldeep, M. Kumar, S. Sinha, S. S. Chauhan , <b>Journal of biological inorganic chemistry 15(3) (2010)373-385. [0949-8257; 3.86]</b></li> <li>4. <b>“Copper nano composites functionalized by bis-benzimidazole diamide ligand: Effect of Size, co-anion dependent conductivity and band gap studies”</b> M. Singla, S.C. Mohapatra, S. Ahmad; <b>Materials Chemistry and Physics 137 (2012) 118-128 [0254-0584; 4.77]</b></li> <li>5. <b>“Preparation and Stabilization of Neem Oil Based Microemulsion Formulations and Their Phase Behaviour”</b>, M. Singla and P. K. Patanjali; <b>Industrial Crops and Products 44 (2013) 421– 426. [0926 - 6690; 6.44]</b></li> <li>6. <b>“Nitric oxide inhibition, antioxidant and antitumour activities of novel copper(II) bis benzimidazole diamide nano coordination complexes”</b> M. Singla, R. Ranjan, K. Mahiya, S.C. Mohapatra, S. Ahmad; <b>New Journal of Chem., 2015, 39, 4316—4327 [1146-0546; 3.92]</b></li> <li>7. <b>Synthetic polymer nano-film coating efficacy evaluation in prevention of chemicals induced corrosion of monuments”</b> H. Chauhan,* C. Mukherjee, M. Singla, D. Sachdeva, P. Giri, S. Lamba; <b>Journal of Materials Nanoscience , 2023, 10(1), 602.</b></li> </ol>	
<b>Invited talks</b>	
<b>Events Organized</b>	

S. No.	Subject of Conference / Seminar/Symposium/Workshop	Organizing Institution	Duration
1.			
2.			
3.			
<b>Events Participated/Presented</b>			
S. No.	Subject of Conference / Seminar/Symposium/ Workshop	Organizing Institution	Duration
1.	Participated in “National Conference on Scientific Innovation for Human Wellbeing”	Department of Chemistry, University of Delhi	17 <sup>th</sup> March 2023.
2.	Participated in International conference on “Revisiting Wellbeing: Perspectives, challenges, and the road ahead”	Gargi College, University of Delhi.	2 days (1 <sup>st</sup> -2 <sup>nd</sup> Feb 2023)
3.	Co-Convener for a ‘Workshop for Laboratory Staff’	Gargi College, DU	13-15 July 2022.
4.	A resource person at the workshop on ‘Adulteration in food and Preparation of Herbal Cosmetics’	Gargi College, DU	19 Jan 2019.
5.	A resource person in the summer workshop on “Chemistry in Day to Day Life”	Gargi College, DU	17-18 July 2018.
6.	Participated in a workshop on ‘Molecular Modelling’	ARSD College, DU	23 Jan 2018.
7.	Attended the 2 <sup>nd</sup> task Force meet under Star College Scheme, held at	Gargi College,DU	9 <sup>th</sup> May 2018.
8.	Participated in the NAAC sponsored National Seminar titled “Mentoring the teacher-mentors: capacity building program’	Gargi College,DU	19-20 Jan 2018.
9.	Participated in workshop on green chemistry	Department of Chemistry, University of Delhi	4 <sup>th</sup> October 2017.
10.	Attended and presented a poster in “2 <sup>nd</sup> National Conference on Emerging Trends in Applied Sciences” (NCETAS 2017)		17-18 August 2017.
11.	A resource person for the two day workshop on “Green Chemistry and Environment”	Miranda House,DU	6-7 February 2017.
12.	Attended and presented a poster at the 12 <sup>th</sup> Biennial symposium on “Modern Trends in Inorganic	Indian Institute of Technology Madras, Chennai	6-8 December 2007.

	Chemistry (MTIC-XII)”		
13.	Attended CARBO-XXI on “Recent Developments in Carbohydrate Chemistry Conference”, sponsored by ACCTI.	Department of Chemistry, and University of Delhi	November 26-29, 2006.
14.	Attended the “Indo-US workshop on green chemistry”	Delhi, India.	7-9 January 2006
<b>Faculty Development Programme (FDP) attended</b>			
<b>S. No.</b>	<b>Details</b>	<b>Organizing Institution</b>	<b>Duration</b>
1.	“Research Techniques in Science and technology”	K.R. Mangalam University, Gurugram in Collaboration with Gargi College, University of Delhi	6 days (18 <sup>th</sup> -23 <sup>rd</sup> July, 2022.)
2.	“Advanced Research Methodology Applicable in New Education Policy”	Digvijai Nath Post Graduate College, Gorakhpur, UP and Science Tech Institute, Lucknow, UP .	One Week (June 22 – 28, 2022).
3.	"EMERGING TRENDS IN APPLIED CHEMISTRY: A step towards Sustainable Development”	Department of Chemistry, SGT University, Gurugram	One week (30th May - 4th June, 2022).
4.	"ADVANCED PEDAGOGICAL TECHNIQUES” obtained a grade A <sup>+</sup> .		One week October 29 - November 05, 2020
<b>Other contributions (Committees/Corporate work/ Social work/ Co-curricular activities)</b>			

### **Declaration**

I hereby declare that all the statements made above are correct to the best of my knowledge and belief.

**Dr. Manisha Singla**