



**DEPARTMENT OF CHEMISTRY**  
**DYAL SINGH COLLEGE, UNIVERSITY OF DELHI**  
**FACULTY DETAIL**



Title	Prof	First Name	Dr.Navneet	Last Name	Manav	Photograph	
Designation		Professor					
Address		C-569, GF, Vikaspuri, New Delhi - 110018					
Phone No Office							
Residence Mobile		9871076666					
Email		navneetmanav@dsc.du.ac.in					
Web-Page							
<b>Educational Qualifications</b>							
Degree		Institution				Year	
B.Sc.		Panjabi University, Patiala, Punjab				1989	
M.Sc. – Chemistry		G.N.D.U, Amritsar				1991	
M.Phil.		University of Delhi				1998	
PhD		University of Delhi				2002	
<b>Career Profile</b>							
<b>Administrative Assignments (From 1<sup>st</sup> July 2016 onwards) Attach Documents</b>							
		S.No.	Nature of Activity	Designation	Institution/Department	Period	
						From	To
		1.	Academic committee	Convener	Dyal Singh College University of Delhi	2019	2022
		2.	Admission Committee, Chemistry Department	Member	Department of Chemistry Dyal Singh College University of Delhi	2021	2022
		3.	Function organizing committee- Azadi ka Amrut Mahotsav	Nodal officer	Dyal Singh College University of Delhi	2020	2022
4.	North East society	Nodal officer	Dyal Singh College	2014	2022		

				University of Delhi			
	5.	Staff Council	Secretary	Dyal Singh College University of Delhi	2021	2022	
	6.	Faculty Promotion committee	Convenor	Dyal Singh College University of Delhi	2021	2022	
	7	Committee for preparation of syllabus, books for Indian Knowledge System	Member	University of Delhi	2021	2022	
	8	Committee for Syllabus of B Sc Physical Science and B Sc Life Science	Member	University of Delhi	2021	2022	
Areas of Interest / Specialization							
	INORGANIC CHEMISTRY						
Subjects Taught/ Attach Documents(time table odd/even semester)							
	B Sc Chemistry(H) Vth and VIth sem Inorganic chemistry Theory B Sc Chemistry(H) Ist, IInd,IVth, Vth and VIth sem Inorganic chemistry Practials B Sc Life Sci and B Sc Phy Sci Chemistry Practicls						
Research Guidance/ Attach Documents							
	Research guidance to students in Summer internship program in June 2019						
Publications Profile (From 1 <sup>st</sup> July 2016 onwards) Attach Documents with front page with impact factor							
	1. M Kumar, A Kumar,S Kishor,S Kumar, <b>N Manav</b> , A K Bhagi, RP John, N-diethylaminosalicylidene based "turn-on" fluorescent Schiff base chemosensor for Al <sup>3+</sup> ion: Synthesis, characterisation and DFT/TD-DFT studies in Journal of Molecular Structure, 2021, 1247, 131257  2. S Gautam,S Chandra, J Singh, <b>N Manav</b> , V K Paliwal, A Kumar, Structural Features,computational studies and biological analysis; Schiff's Base Ligand and its coordination compounds, Indian drugs, 11948, 2021  3. M Kumar, A Kumar,S Kishor,S Kumar, <b>N Manav</b> , A K Bhagi, RP John,A binuclear gadolinium complex of 8-hydroxyquinoline-2-carbaldehyde salicylhydrazone: structural characterization and photoluminescence properties, Reasearch on chemical intermediates, 11164-021-04589-2						

4. Jasleen Kaur, **Navneet Manav\*** and A.K. Bhagi , Removal of heavy metal ions from laboratory effluents by Phytoremediation, International Research Journal of Management Science & Technology Vol 8 Issue 11, 2017,ISSN 2250 – 1959 (Online) 2348 – 9367 (Print)
5. **N. Manav**, A.K. Bhagi, Adsorption of toxic metal ions from laboratory effluents by agricultural waste, J Integr.Sci.Technol., 2016, 4(2), 70-75 .
6. K. K. Saini , **N. Manav**, A.K. Bhagi, A. Kumar, the Therapeutic Properties of Naturally Occuring Flavanoid-Quercetin: A Magical Therapeutic Agent, International Journal of Therapeutic Applications, 32 (2016) 20-27. (ISSN: 2320-138X).
7. A.Kumar, A.K. Bhagi ,**N. Manav**, DFT based comparative study of the antioxidant properties of Rosmarinic Acid and Aloe Emodin, International Journal of Therapeutic Applications, 2015, 136, 672–681.
8. **Navneet Manav**, Vatsala Dwivedi and A. K. Bhagi, Degradation of DDT, a Pesticide by Mixed Metal Oxides Nanoparticles Green, Chemistry in Environmental Sustainability and Chemical Education Proceedings of ICGC 2016, 93-101, Springer, ISBN 978-981-10-8390-7 (eBook)
9. Rajesh Kumar, Manish Kumar, Vipin K. Maikhuri, **Navneet Manav**, Ashok K. Prasad and Divya Mathur, Recent Progress in the Chemistry of Tri-substituted Triazole via [3 + 2] Cycloaddition of Azide and Double Bond: An Overview Green Chemistry in Environmental Sustainability and Chemical Education Proceedings of ICGC 2016,119-131, Springer, ISBN 978-981-10-8390-7 (eBook)
10. **N. Manav**, Amit Kumar, C.Jain, J Rautela, Adsorption kinetics of removal of metal ions from laboratory effluents by agricultural wastes, proceedings of national conference in chemistry on environment and harmonious development 2016. ISBN: 9789385824012
11. **N. Manav**, J. Kaur, C.Jain, J Rautela, A.K. Bhagi, Eichhornia Crassipes and Salvinia Molesta as scavengers of heavy metals from chemistry laboratory effluents, Proceedings of national seminar on water and air quality in urban ecosystems, March 2016,36-40.ISBN: 978-93-5267-493-0
12. A. Kumar, K. K Saini, **N. Manav**, A. K. Bhagi, Novel Synthetic Strategy for nitration Reaction of Toluene by employing acidified NC- ZrO<sub>2</sub>-La<sub>2</sub>O<sub>3</sub> Mixed Metal Oxide, proceedings of national conference in chemistry on environment and harmonious development, April 2016. ISBN: 9789385824012

#### **Books**

1. Practical inorganic chemistry, published by Manakin press, ISBN: 978-93-84370-66-4
2. Chemistry Inorganic and Physical, published by Manakin press, ISBN: 978-93-88342-23-0

	3. “IPR and biotechnological innovations” chapter in a book Intellectual property rights: challenges and prospects, Imperial publications, ISBN: 978-81-949439-8-3
	Conference Organization/ Presentations (From 1 <sup>st</sup> July 2016 onwards)/ Attach Documents
	<p>Invited lectures</p> <ol style="list-style-type: none"> <li>1. “Introduction to coordination chemistry” live lecture delivered on 17.04.2017 at CEC - UGC, New Delhi</li> <li>2. “Isomerism in coordination compounds” live lecture delivered on 19.05.2017 at CEC - UGC, New Delhi</li> <li>3. “Common terms used in coordination chemistry” live lecture delivered on 21.04.2017 at CEC -UGC, New Delhi</li> <li>4. “Valence Bond Theory (VBT) ” live lecture delivered on 16.05.2017 at CEC -UGC, New Delhi</li> <li>5. “Crystal field Stabilization Energy of compounds with weak field ligands (For octahedral and tetrahedral geometry) ” live lecture delivered on 23.06.2017 at CEC -UGC, New Delhi</li> <li>6. “Colour of coordination compounds” live lecture delivered on 09.09.2017 at CEC -UGC, New Delhi</li> <li>7. “Tetragonal distortions from octahedral geometry” live lecture delivered on 13.07.2017 at CEC -UGC, New Delhi</li> <li>8. “Stability of complexes” live lecture delivered on 03.08.2017 at CEC -UGC, New Delhi</li> <li>9. “Kinetics of square planar complexes” live lecture delivered on 17.08.2017 at CEC -UGC, New Delhi</li> <li>10. “Metal ions in biological systems” live lecture delivered on 04.09.2017 at CEC -UGC, New Delhi</li> <li>11. “Toxicity of Metal ions” live lecture delivered on 04.09.2017 at CEC -UGC, New Delhi</li> <li>12. “Importance of Drugs and medicines and their misuse in our society” program organized by Delhi Kannada education Society on 16.07.2021” live lecture delivered on 17.04.2017 at CEC -UGC, New Delhi</li> </ol>
	Awards and Distinctions (From 1 <sup>st</sup> July 2016 onwards) Attach Documents
	Association With Professional Bodies/ Attach Documents
	Other Activities like MOOCs/ Patents etc. (From 1 <sup>st</sup> July 2016 onwards)

--	--



Signature of Faculty Member