



ZAKIR HUSAIN DELHI COLLEGE
(University of Delhi)

Faculty Details

Dr.	Mohsineen	Wazir		Photograph
Designation	Associate Professor			
Address	KPA-001-1806, Tower 1, Kensington park Apartments, Jaypee Wishtown, Sector 133, Noida, Uttar Pradesh-201304			
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	Residence			
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Educational Qualification				
Degree	Institution		Year	
B.Sc.(H) Chemistry	Miranda House College, University of Delhi		2004	
MSc. Chemistry	Department of Chemistry, University of Delhi		2006	
PhD	Department of Chemistry, University of Delhi		2012	
Career Profile				
<ul style="list-style-type: none"> • Associate Professor, Zakir Husain Delhi College, University of Delhi 3rd Jan. 2022 - till date. • Assistant Professor (Permanent), Zakir Husain Delhi College, University of Delhi 17th Feb. 2011 - 2nd Jan 2022. • Assistant Professor (Adhoc), Zakir Husain Delhi College, University of Delhi 23rd Aug. 2010 --14th Feb. 2011. • Assistant Professor (Adhoc), SGTB Khalsa College, University of 				

	<p>Delhi 8th Sept 2009- 30th April 2010.</p> <ul style="list-style-type: none"> • Assistant Professor (Guest faculty), Ramjas College, University of Delhi 14th Nov 2007-14th Mar 2008.
	Administrative Assignments
•	<ul style="list-style-type: none"> • Teacher-in-Charge, Department of Chemistry, Zakir Husain Delhi College, University of Delhi- 2015-16. • Superintendent, Practical Examinations, Zakir Husain Delhi College, University of Delhi- 2016-17. • NAAC Sub Committee, Member -2016-2017, 2021-22, 2023-till Date. • S.P.Suri Memorial Lecture and Awards Committee, Member- 2020-till date • Nature and Environment Society, Member-2020-22 • Spectrum Magazine Committee, Editorial Board Member- 2020-22 • Faculty Development Committee under UGC Guidelines, Member-2018-19 • Admission Committee, Member 2015-16 • Library Committee, Member- 2015-16 • NSS, Member -2012-2013 • Annual Day Committee, Member-2011-2014 • Convocation Committee, Member-2010-2014
	Areas of Interest / Specialization
	<ul style="list-style-type: none"> • Specialization: Physical Chemistry • Areas of Interest: Quantum Chemistry, Computational Chemistry
	Subjects Taught
	<p>B.Sc. (Hons) and B.Sc. (Prog.)</p> <ul style="list-style-type: none"> • Quantum Chemistry • Spectroscopy • Chemical Kinetics • Gaseous State

	<ul style="list-style-type: none"> • Liquid State • Solid State • Photochemistry • Thermodynamics
	<p>Publications Profile</p>
	<p>➤ <u>Chapters:</u></p> <ol style="list-style-type: none"> 1. Surface Chemistry, Unit-9, Class 12, CBSE-international curriculum. 2. Electronic Structures and Conduction Properties of Biopolymers: Mohsineen Wazir, Vinita Arora and A.K. Bakhshi Biopolymers: Biomedical and Environmental Applications, S. Kalia and L. Averous (Eds.), John Wiley & Scrivener Publishing, 2011, Chapter 15, pp. 437-458. <p>➤ Journal Articles:</p> <ol style="list-style-type: none"> 1. Python code for Rotational Energies and Boltzman Population of Diatomic Molecules Jyoti Singh, Mohsineen Wazir, Manav Verma and Hemant Verma Resonance, 2024; 29 (9): 1195-1209. 2. Effect of basis set, electron correlation and hydration on the designing of ternary polypeptides using ant algorithm. Mohsineen Wazir and A.K. Bakhshi Computational and Theoretical Chemistry, 2011; 963: 85-91. 3. Designing of type-I polymeric superlattices using genetic and ant algorithms: A comparative study. Avneet Kaur, Mohsineen Wazir, Aparna Garg and A.K. Bakhshi Indian Journal of Chemistry, 2009; 48A: 1652-1656. 4. Designing model protein chains using bioinspired ant algorithm Mohsineen Wazir and A.K. Bakhshi

	Indian Journal of Chemistry, 2009; 48A: 1477-1483.
	Conference Organization/ Presentations
	<ul style="list-style-type: none"> ➤ Oral Presentation Titled “Nanobubbles: A potential Tool for Drug Delivery” in International Conference on Chemical and Biological Sciences (ICCBS-2024), ARSD College, 27-29 Jan. 2024. ➤ Coordinator for online National Webinar on “Achieving Excellence in Chemistry in India in 21st Century: Challenges and Opportunities” by Prof. A.K. Bakhshi held at Zakir Husain Delhi College, University of Delhi, 18th Jan.2022. ➤ Co-Convenor for online International Webinar on “Better Living Through Green Chemistry” by Prof. Ram S Mohan held at Zakir Husain Delhi College, University of Delhi ,15th Dec.2021 ➤ Coordinator for Chemistry Career Symposium- MOSAIC organized by Royal Society of Chemistry and Department of Chemistry, Zakir Husain Delhi College, 26th Sept. 2018 ➤ Organizing member for UGC-sponsored National conference on “Innovations in Chemistry Laboratory Teaching” held at Zakir Husain Delhi College, University of Delhi, 8-9 Feb.2017
	Awards and Distinctions
	Best Poster Award for poster presented on “Designing Model Protein Chains using Bioinspired Ant Algorithms” in Polymer Congress-‘APA-2009’, Polymer Science & Technology: Vision & Scenario, 17 th - 20 th Dec,2009.