




Faculty Details proforma for Gargi College

Title	Dr.	First Name	Neha	Last Name	Sharma	Photograph
Designation	Assistant Professor					
Address	H-17, Radhey Puri, Delhi-110051					
Phone No Office						
Residence*						
Mobile*	9958595511					
Email	n.sharma2303@gmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
BSc. (Gen) Grp. A	Gargi College, University of Delhi				2007	
MSc. Chemistry	Ramjas College, University of Delhi				2009	
PhD.	Department of Chemistry, University of Delhi				2013	
Career Profile						
<ul style="list-style-type: none"> ➤ Worked as Ad-hoc in Gargi College from 14th Aug- 20th Sept 2012. ➤ Worked as Ad-hoc in Gargi College from 3rd Jan 2013 – 13th Oct 2015. ➤ Working as Permanent Faculty at Gargi College since 19th October 2015. 						
Administrative Assignments						
<ul style="list-style-type: none"> ➤ Member of Antardhwani Core Committee in DU Antardhwani Festival 2014. ➤ Member of Antardhwani Science Committee in 2015. ➤ Convener of Chemical Society of Gargi College in 2014-15. ➤ Convener of Chemical Society of Gargi College in 2015-16. ➤ Member of Prize Distribution Committee (2013), Website Committee (2013-14), Computer Lab Committee (2014-15), NSS (2016-17). ➤ Member of organizing committee of Chemistry Department Alumni meet held on Dec 24, 2016. ➤ Member of Alumni committee and Editor of College Alumni Magazine "Manaswini" for the year 2016-17 and 2017-18. ➤ Convener of Refreshment Committee for College Annual Fest Reverie 2017. ➤ Convener of Refreshment Committee for College Annual Day 2017. ➤ Member of Golden Jubilee book committee in 2017-18. ➤ Prepared College Annual Report for the year 2017-18. 						

➤ DBT Departmental Coordinator.
Areas of Interest / Specialization
Physical Chemistry and Computational Chemistry
Subjects Taught
Chemical Kinetics, Conductance, Photochemistry, Spectroscopy, Thermodynamics, Quantum Chemistry, Phase Equilibria, Solid State, Molecular Modelling and Drug Designing
Research Guidance
<ul style="list-style-type: none"> ➤ Mentor for Path-finder project on “To compare Ultra-Violet radiation absorption efficiency of some commonly available sunscreens with the help of UV spectrophotometry technique and devise an affordable and non-toxic alternative” of a History Hons. Student in 2013-14 ➤ Mentor for Path-finder project on “Solvent systems: Exploring various facets from utility to benignity to procurability” of Chemistry Hons. students. ➤ Guided Chemistry Hons. students for project under Star college in June 2016 on “Green synthesis of Ag nanoparticles using neem leaves extract and its kinetic study”. ➤ Mentored BSc. Life Science students for project on Computational Chemistry and drug designing.
Recent Publications
<ul style="list-style-type: none"> ➤ Neha Sharma and Rita Kakkar, Recent advancements on warfare agents/metal oxides surface chemistry and their simulation study, <i>Advanced Materials Letters</i>, 2013, 4, 508-521. ➤ Neha Sharma and Rita Kakkar, Adsorption of sarin on MgO nanotubes: Role of doped and defect sites, <i>Journal of Computational Science</i>, 2015, 10, 225-236. ➤ Bharti Badhani, Neha Sharma and Rita Kakkar, Gallic Acid: A versatile antioxidant with promising therapeutic and industrial applications, <i>RSC Advances</i>, 2015, 5, 27540-27557. ➤ Tripti Kumari , Ritika Chauhan , Neha Sharma , Kohinoor Kaurb , Aparna Krishnamurthy, Priya Pandey, Shivangi Aggarwal, Zinc Chloride as Acetamide based Deep Eutectic Solvent, <i>DU Journal of Undergraduate Research and Innovation</i> Volume 2, Issue 1 pp 203- 210, 2016 ➤ Published a chapter titled “Spirituality: the way to India’s Regeneration” in the book “Indian and Western Knowledge Traditions” Pg. 95-106, ISBN: 978-93-85144-82-0
Conference Organization/ Presentations
<ul style="list-style-type: none"> ➤ Participated in workshop on Science and Life Foundation course conducted by CPDHE in June 2013. ➤ Resource person at the workshop on “Electronic structure, atomistic and statistical modelling in

<p>chemistry, materials and life sciences organized by Department of Chemistry, DU in October 2014.</p> <ul style="list-style-type: none"> ➤ Participated in workshop conducted in Gargi College for training of Lab Attendants and contributed a write up on Colorimetry in Lab Manual based on the workshop in 2013. ➤ Participated in Virtual conference in computational chemistry (VCCC 2014) organized by Computational Chemistry Group, University of Mauritius and presented keynote E-presentation on “Adsorption of sarin on MgO nanotubes: Role of doped and defect sites”. ➤ Co-convenor of "Inter College chemistry workshop for laboratory staff" on 14 and 15 July 2016 organized by Chemistry Department, Gargi college ➤ Attended a two-day workshop on "Computer Aided Molecular Modeling and Drug Discovery" hosted by Department of Chemistry, St. Stephen's College, Delhi University, on July 25-26, 2016. ➤ Presented a Poster on “Green synthesis of silver nanoparticles and its application in removal of lead from water” and delivered oral presentation on topic “Investigating the Lethal Chemical Warfare Agents Computationally: An Environment Friendly Approach” in the two day national conference on “Combating Industrial Pollution For Sustainable Environment – A Fusion Of Industrial and Scientific Efforts” (CIPSE - 2016) organized by Department of Chemistry, Gargi College, University of Delhi on 22nd and 23rd Sept. 2016 ➤ Attended The Yusuf Hameid Inspirational Programme for School Teachers, organized by Dept of Chemistry in collaboration with Royal Society of Chemistry, North India Section held on October 24 and 25, 2016. ➤ Organized an interdisciplinary National Seminar on “Exploring New Dimensions of Knowledge” from 17th – 19th July 2017. ➤ Attended Public Financial Management System (PFMS) workshop in Bhaskaracharya College of Applied Sciences, Dwarka held on Jan 3, 2018. ➤ Resource Person for workshop on Molecular Modelling and Drug Design held in ARSD College, University of Delhi on 23rd January 2018.
Research Projects (Major Grants/Research Collaboration)
Nil
Awards and Distinctions
Nil
Association With Professional Bodies
Nil
Other Activities

