


Title	Dr.	First Name	Neha	Last Name	Sharma	Photograph
Designation	Assistant Professor					
Address	E-78, Ekta Apartments, Saket, Delhi- 110017					
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<b>Educational Qualifications</b>						
Degree	Institution					Year
PhD.	Department of Chemistry, University of Delhi					2013
MSc. Chemistry	Ramjas College, University of Delhi					2009
BSc. (Gen) Grp. A	Gargi College, University of Delhi					2007
<b>Career Profile</b>						
<ul style="list-style-type: none"> <li>• Permanent Faculty at Gargi College since 19<sup>th</sup> October 2015.</li> <li>• Ad-hoc in Gargi College from Aug, 14 – Sept 20, 2012 &amp; from Jan 3, 2013 – Oct 13, 2015.</li> <li>• Certified Yoga Instructor from Morarji Desai National Institute of Yoga and Lakulish Yoga University</li> </ul>						
<b>Administrative Assignments</b>						
<ul style="list-style-type: none"> <li>• Member of IQAC committee w.e.f. April 2023</li> <li>• Member of NSS committee w.e.f. 2022-2023</li> <li>• Member of Student Welfare Committee w.e.f. 2018-2019</li> <li>• DBT Departmental Coordinator for year 2018-2019.</li> <li>• Prepared College Annual Report for the year 2017-18.</li> <li>• Member of Golden Jubilee book committee in 2017-18.</li> <li>• Convener of Refreshment Committee for College Annual Day 2017.</li> <li>• Convener of Refreshment Committee for College Annual Fest Reverie 2017.</li> <li>• Member of Alumni committee and Editor of College Alumni Magazine “Manaswini” for the year 2016-17 and 2017-18.</li> <li>• Member of organizing committee of Chemistry Department Alumni meet held on Dec 24, 2016.</li> <li>• Member of Prize Distribution Committee (2013), Website Committee (2013-14), Computer Lab Committee (2014-15), NSS (2016-17).</li> </ul>						

<ul style="list-style-type: none"> <li>• Convener of Chemical Society of Gargi College in 2015-16.</li> <li>• Member of Antardhwani Science Committee in 2015.</li> <li>• Convener of Chemical Society of Gargi College in 2014-15.</li> <li>• Member of Antardhwani core committee of college in DU Antardhwani Festival 2014.</li> </ul>
<b>Areas of Interest / Specialization</b>
Physical Chemistry, Computational Chemistry, Yoga and Meditation
<b>Subjects Taught</b>
Chemical Kinetics, Conductance, Photochemistry, Spectroscopy, Thermodynamics, Quantum Chemistry, Phase Equilibria, Solid State, Molecular Modelling and Drug Designing, VAC- Yoga: Philosophy and Practice
<b>Research Guidance</b>
<ul style="list-style-type: none"> <li>• Mentored Chemistry (Hons) students for project on Computational Chemistry and drug designing in the year 2021-2022</li> <li>• Mentored BSc. Life Science students for project on “Silver nanoparticles and alum: Green synthesis and application in water treatment.</li> <li>• 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”.</li> <li>• Mentor for Path-finder project on “Solvent systems: Exploring various facets from utility to benignity to procurability” of Chemistry Hons. students.</li> <li>• 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</li> </ul>
<b>Recent Publications</b>
<ul style="list-style-type: none"> <li>• Neha Sharma, Bharti Badhani, B. Vaijyanthi, Priyanka Agarwal, Anshika Gupta, Conceptualizing the essence of protein ligand interactions at under graduate level: Reinforcing computational skills, Journal of Chemical Education, 2023, <a href="https://doi.org/10.1021/acs.jchemed.3c00137">https://doi.org/10.1021/acs.jchemed.3c00137</a></li> </ul>

- Neha Sharma, Lekha Sharma & Rita Kakkar, Adsorption behavior of chemical warfare agent simulants on doped and hydroxylated MgO nanotubes: A DFT study, Computational and Theoretical Chemistry 1226 (2023) 114216
- Tripti Kumari, Ritika Chauhan, Neha Sharma, Kohinoor Kaurb, Aparna Krishnamurthy, Priya Pandey, Shivangi Aggarwal, Zinc Chloride as Acetamide based Deep Eutectic Solvent, DU Journal of Undergraduate Research and Innovation 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
- Bharti Badhani, Neha Sharma and Rita Kakkar, Gallic Acid: A versatile antioxidant with promising therapeutic and industrial applications, RSC Advances, 2015, 5, 27540-27557.
- Neha Sharma and Rita Kakkar, Adsorption of sarin on MgO nanotubes: Role of doped and defect sites, Journal of Computational Science, 2015, 10, 225-236.
- Neha Sharma and Rita Kakkar, Recent advancements on warfare agents/metal oxides surface chemistry and their simulation study, Advanced Materials Letters, 2013, 4, 508-521.

#### **Conference Organization/ Presentations**

- Delivered oral presentation in the international conference on “Designing a sustainable future: Advances and opportunities in Green Chemistry” organized by University of Ladakh on July 3-5, 2023
- Attended an international conference on "Revisiting Wellbeing: Perspectives, Challenges, and the Road Ahead" organized by Gargi College on February 1-2, 2023
- Delivered an oral presentation in the International Conference on “Human Health and Natural Products” organized by Department of Zoology, Deshbandhu College from Nov 4-6, 2022 and received best presenter award.
- Delivered oral presentation in Two Days International e-Conference on “Recent Advancements in Chemical Sciences: Health, Environment and Society” (ICRACS - 2022) on 8th - 9th April 2022 organized by Department of Chemistry, Deshbandhu College, University of Delhi
- Resource person in the Summer 'Workshop on Chemistry in 'Day to Day Life" organised by department of chemistry, Gargi College on July 17-18, 2018
- Resource Person for workshop on Molecular Modelling and Drug Design held in ARSD

College, University of Delhi on 23rd January 2018.

- Attended Public Financial Management System (PFMS) workshop in Bhaskaracharya College of Applied Sciences, Dwarka held on Jan 3, 2018.
- Organized an interdisciplinary National Seminar on “Exploring New Dimensions of Knowledge” from 17<sup>th</sup> – 19<sup>th</sup> July 2017.
- 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.
- 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 22<sup>nd</sup> and 23<sup>rd</sup> Sept. 2016
- 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.
- Co-convener of "Inter College chemistry workshop for laboratory staff" on 14 and 15 July 2016 organized by Chemistry Department, Gargi college
- 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”.
- 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.
- Resource person at the workshop on “Electronic structure, atomistic and statistical modelling in chemistry, materials and life sciences organized by Department of Chemistry, DU in October 2014.
- Participated in workshop on Science and Life Foundation course conducted by CPDHE in June 2013.

## **Awards and Distinctions**

- Received **best presenter award for the oral presentation** delivered in the International Conference on “Human Health and Natural Products” organized by Department of Zoology, Deshbandhu College from Nov 4-6, 2022.
- Awarded **best performer in the event “21 days 21 Yogasanas”** organized by ARSD College based on common Yoga Protocol held from June, 1-21, 2022 and 2023 in online mode to celebrate International Yoga Day

## **Other Interests: Yoga and Meditation**

I am a trained Yoga professional. I teach value-added course under NEP on Yoga: Philosophy and Practice.

### **Course Completed**

- Attended and successfully completed “Yoga Teacher’s Training Course” of 200 hours conducted by Lakulish Yoga University from June 1, 2021 – July 15, 2021
- Completed a foundation course in “Yoga Science for Wellness” conducted by Morarji 'Desai National Institute of Yoga, New Delhi from 01.04.2021 to 30.04.2021.
- Certified as Yoga Volunteer by Yoga Certification Board under the voluntary certification of yoga professionals, Ministry of Ayush, Government of India
- Successfully completed online two-week interdisciplinary refresher course in “Revitalizing Lifestyle Through Yoga Practice” from 04 – 18 October, 2021 organized by Ramanujan College in association with Department of Physical Education and Sports Sciences.

### **Lectures and Workshops Conducted/Attended**

- Organized workshop for non-academic staff of the college on “Being Fit and Living Healthy” from June 19-23, 2023 to mark the International Yoga Day, 2023. I was also the resource person for the workshop.
- Invited speaker in ARSD college on Feb 3, 2023 to deliver a lecture on “Management of stress through yoga and meditation”
- Delivered a lecture on “A magical yoga capsule for stress relief as resource person in Intercollege labstaff workshop organized by Department of Chemistry from July 13-15, 2022.
- Organized a webinar to mark the International Yoga Day 2020.
- Convener of the Add-on course on Ayurveda and Yoga: The Science of Life” organized for students of Gargi College in the year 2018-2019.

- Awarded best performer in the event “21 days 21 Yogasanas” organized by ARSD College based on common Yoga Protocol held from June, 1-21, 2022 and 2023 in online mode to celebrate International Yoga Day.