



**Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile**

Name	JASJEET KAUR	
Designation	Professor	
Email	jasjeet.kaur@rajguru.du.ac.in	
Degree	Institution	Year
M.Sc.	Meerut University, Meerut	1986
Ph.D.	Jointly at Punjab University, Patiala and University of Delhi, Delhi	1992
Areas of Interest / Specialization		
Organic Chemistry and Forensic Chemistry		
Publications Profile		
Research Papers: 127 Patents: 06 Book: 01 (<i>Indian Civilization and the Science of Fingerprinting</i>, Publication Division, New Delhi, 2013; ISBN: 978-81-230-1811-9) Chapters in Books: 04 Conference Presentations: 10 (in India and abroad) Science Articles: 25 Notable Research Papers 1. Diuretic activity of organomercury(II) complexes of theophylline and theobromine. <i>Journal of Inorganic Biochemistry</i>, 48, 305-310 (1992). 2. Organomercury(II) complexes with anti-carcinogenic agents II. Anti-neoplastic activity. <i>Neoplasma</i>, 142, 191-193 (1995). 3. The application of phase transfer catalysis to fingerprint detection. <i>Science & Justice</i>, 36, 267-269 (1996). 4. Fingermarks' detection by eosin-blue dye. <i>Forensic Science International</i>, 115, 69-71 (2001). 5. Sharp eyes saw through early effort to fake prints. <i>Nature (London)</i>, 420, 15-16 (2002). 6. Telegraphic code for fingerprints: How justice was denied to the innovator who helped		

ameliorate the criminal justice system. <i>Endeavour</i>, 47(1-2), 100863 (2023). 7. Biophysical and structural insights into azamethiphos-DNA interactions. <i>Spectrochimica Acta A</i>, 334, 125934 (2025).
Awards and Distinctions
1. Young Scientist Award – 1997. 2. National Technology Day Award – 2000. 3. World Intellectual Property Organization Award – 2001. 4. National Search for Innovation Award – 2006. 5. Best Teacher Award by Govt. of NCT of Delhi – 2012 6. Forensic Hackathon Award – 2023.
Research Projects
1. Biological Stains for Detecting latent Fingermarks on Various Surfaces. Sanctioned by Department of Science and Technology, New Delhi, under <i>Scheme for Young Scientists</i>. 2. Studies on Fingerprint Patterns of Siblings. Sanctioned by University Grants Commission, New Delhi. 3. Small Particle Reagents for Detection of Latent Fingerprints. Sanctioned by University Grants Commission, New Delhi, Under <i>Research Award Scheme</i>. 4. An assessment of consumer's exposure to pesticides in conventional vegetables and vegetables sold with the 'organic' tag in Delhi-NCR region, India. Sanctioned by the University of Delhi, Delhi. 5. Synthesis and characterization of silver nanoparticles and their role in inhibiting food spoilage organisms. Sanctioned by University of Delhi, Delhi. 6. Assessment and correlation of air quality index of East Delhi region with vital respiratory parameters of college students. Sanctioned by University of Delhi, Delhi.
Research Supervision
Number of Research Scholars awarded Ph.D. Degree: 03 Number of Research Scholars pursuing Ph.D.: 02
Administrative Roles
1. Teacher-in-charge, Department of Chemistry 2. Teacher-in-charge, Department of Instrumentation 3. Coordinator, Department of Biomedical Sciences 4. Acting Principal 5. Bursar 6. Proctor 7. Cultural Secretary 8. Student Advisor

9. Deputy Superintendent Examination
10. Convener, Research Committee
11. Convener, Timetable Committee
12. Convener, Fee Concession Committee
13. Convener, Grievance Committee for Admission
14. Convener, Unnat Bharat Abhiyan
15. Programme Officer, NSS
16. Convener, Garden Committee
17. Nodal Officer, Skill Development Committee
18. Co-convener, NAAC Core Committee
19. Member, IQAC
20. Member, Hostel Committee
21. Member, Governing Body
22. Member, Science Faculty, University of Delhi
23. Member, Committee of Courses, University of Delhi
24. Trainer and Resource Person for disseminating the guidelines for effective implementation of the 4th year Academic Tracks of UGCF on NEP.
25. Convener of various workshops organized in college
26. Member, Organizing Committee of an International and a National Conference organized in college

Visiting Fellowship

Awarded INSA Visiting Fellowship to carry out research work in Department of Forensic Sciences, Punjabi University, Patiala, under a project entitled, *Detection of Latent Fingerprints* for one month, during the Academic Session 2004-05.