




Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Dr.	Richa	Arora	
Designation	Assistant Professor		
Address	O-601, Green Valley Apartments, Plot No. 18, Sector 2, Dwarka, New Delhi-75		
Office Phone No.	011 2519 1458		
Residence			
Mobile			
Email	aroraricha007@gmail.com		
Web-Page			
Educational Qualifications	Ph.D.		
Degree	University/Institute	Year	
Ph.D.	University of Delhi	2015	
M.Phil./M.Tech.			
PG	University of Delhi	2010	
UG	University of Delhi	2008	
Any Other Qualification			
Career Profile			
I have taught Physical Chemistry to B.Sc (H.) Chem. 3rd year students for 4 months (Jan'2013 to Apr'2013) as a 'Guest Faculty' in Daulat Ram College, University of Delhi, Delhi.			
Currently, working as an Assistant Professor (Ad-Hoc) of Physical Chemistry in the Department of Chemistry of Shivaji College, University of Delhi, Delhi (Jan'14 till date).			
Administrative Assignments			

Areas of Interest/Specialisation
Physical Chemistry
Subjects Taught
Inorganic, Organic & Physical Chemistry
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Publications Profile (Research Papers/Books)
<p>1. Co-authored a chapter (Breaking the Stereotypes) in the book THE CHANGE MAKERS (2017) pp. 38-43, published by Pinnacle Learning, Delhi with ISBN: 978-93-83848-43-0.</p> <p>2. Co-authored a chapter (Recasting Nancy Drew) in the book THE CHANGE MAKERS (2017) pp. 84-89, published by Pinnacle Learning, Delhi with ISBN: 978-93-83848-43-0.</p> <p>3. Richa Arora, Upasana Issar & Rita Kakkar (2018) In Silico study of the active site of Helicobacter pylori urease and its inhibition by hydroxamic acids. <i>Journal of Molecular Graphics & Modelling</i> 83: 64-73. (Impact factor: 1.754)</p> <p>4. Upasana Issar, Tripti Kumari, Richa Arora & Rita Kakkar (2017) Conformational properties of DNA minor groove binder Hoechst 33258 in gas phase and in aqueous solution. <i>Computational & Theoretical Chemistry</i> 1113: 32-41. (Impact factor: 1.549)</p> <p>5. Richa Arora, Upasana Issar & Rita Kakkar (2017) Theoretical Study of the Molecular Structure and Intramolecular Proton Transfer in Benzohydroxamic Acid. <i>Computational & Theoretical Chemistry</i> 1105: 18-26. (Impact factor: 1.549)</p> <p>6. Authored a chapter (Khaas: Nurturing Special Talent) in the book UDAYAN-A New Beginning (2017), published by Royal press, New Delhi-110003 with ISBN: 978-81-86845-</p>

22-4.

7. Rita Kakkar, Richa Arora, Pragma Gahlot & Deepti Gupta (2014) An Insight into Pyruvate Dehydrogenase Kinase (PDHK) Inhibition through Pharmacophore Modeling and QSAR Studies Journal of Computational Science 5: 558-567. (Impact factor: 1.748)

8. Tripti Kumari, Richa Arora & Rita Kakkar (2013) Peptide Deformylase Inhibitors for Addressing the Issue of Bacterial Resistance International Review of Biophysical Chemistry (IREBIC) 4: 19-48. (Global Impact factor: 0.675)

9. Richa Arora & Rita Kakkar (2012) Benzohydroxamic Acid and its Applications: A Review International Review of Biophysical Chemistry (IREBIC) 3: 212-233. (Global Impact factor: 0.675)

Conference/Seminar/Faculty Development Programme/Workshop

1. Participated and represented Department of Chemistry, University of Delhi in cultural fest "Antardhvani-2013" organized by University of Delhi, Delhi, India.

2. Participated in the conference on "Recent Advances in Computational Drug Design" held at J N Tata Auditorium, Indian Institute of Science Campus, Bangalore on 16th Sep - 17th Sep 2013.

3. Participated as a Resource Person and attended the workshop on "Electronic Structure, Atomistic and Statistical Modeling in Chemistry, Materials and Life Sciences", organized by Department of Chemistry, University of Delhi, Royal Society of Chemistry London (North India Section) and Schrödinger GmbH, Bangalore during October 8-10, 2014.

4. Participated as a Resource Person in Inspire Science Camp, Shivaji College, organized by DST, Govt. of India held during 19th-23rd December, 2015.

5. Participated in National Seminar on 'Water and Air Quality in Urban Ecosystem' organized by Eco Club Shivaji College on 22nd March, 2016.

6. Participated as a Resource Person in "Lab Skill Training Workshop" for Laboratory Staff from Chemistry & Life sciences Department held from 31st May to 3rd June, 2016, organized by Shivaji College, University of Delhi.

7. Participated in "Sharing Science Rising together", an interdisciplinary workshop for science faculty organized by Shivaji College on 24th September and 1st October, 2016.

8. Participated as a Resource Person in Inspire Science Camp, Shivaji College, organized by DST, Govt. of India held during 14th-18th Dec., 2016.

9. College Co-ordinator of CONTECH-2016 (Concept Test in Chemistry) held on 24th September, 2016 for the B.Sc (H) Chemistry students of Shivaji College, organized by ACT, c/o Homi Bhabha Centre for Science Education, Mumbai.

10. Participated as Faculty in the DU Pre-Net Winter School 2016-2017 organized by Institute of Life Long learning, University of Delhi.

11. Participated as a Resource Person in "Lab Skill Training Workshop" for Laboratory Staff from Chemistry & Life sciences Department held from 10th July to 14th July, 2017, organized by Shivaji College, University of Delhi.

12. College Co-ordinator of CONTECH-2018 (Concept Test in Chemistry) held on 30th January 2018 organized by ACT, c/o Homi Bhabha Centre for Science Education, Mumbai for the students of B.Sc (H) Chemistry of Shivaji College.

13. Participated as a Resource person in a Workshop on “Molecular Modelling” organized by ARSD College, University of Delhi on 23rd January 2018.

14. Participated in a Workshop on “Computational Chemistry and Molecular Modelling” organized by Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi on 23rd March, 2018.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

Awards and Distinctions

- Qualified **CSIR JRF (NET)**, December 2009 with Rank 86.
- Qualified **GATE, 2010**.
- Awarded **GOLD MEDAL** for **FIRST POSITION** in University of Delhi, South Campus in 2010 M.Sc. Chemistry 2nd year.
- Awarded Certificate of Merit for **FIRST POSITION** in University of Delhi, South Campus in 2010 M.Sc. Chemistry 2nd year.
- Awarded Certificate of Merit for **FIRST POSITION** in UDSC in 2009 M.Sc. Chemistry 1st year.
- Awarded certificate for **SECOND RANK** in UDSC in 2008 B.Sc. (Honours) Chemistry 3rd year.
- Awarded MEDAL for **SECOND POSITION** in University Exam.-2006, South Campus, B.Sc. (Honours) Chemistry 1st year.
- Awarded **Certificate of Merit** by CBSE for being among the top 0.1% of successful candidates in Social Science (2003).
- Awarded **certificate of merit** under National Scholarships Scheme by CBSE in recognition of high position secured (2003).

Memberships
Other Academic Activities
Cultural/Extracurricular Activities
Have been a member of Cultural Committee and Women Development Cell of Shivaji College since 2016.

Signature of Faculty Member