


**HANS RAJ COLLEGE  
UNIVERSITY OF DELHI  
FACULTY PROFILE  
(2017-18)**

Title	Dr.	First Name	RENU	Last Name	PARASHAR
Designation	ASSOCIATE PROFESSOR				
Address	Department of Chemistry, Hansraj College, University of Delhi, Delhi-07				
Phone No	011-27667458 011-22303321 9968977434				
Office					
Residence					
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Email ID	renu.hrc@gmail.com				
Educational Qualifications					
Degree	Institute				Year
PhD	Department of Chemistry, University of Delhi				1998
M Phil	Department of Chemistry, University of Delhi				1991
M Sc	Kirori Mal College, University of Delhi				1989
B Sc	Shyam Lal College, University of Delhi				1987
Career Profile					
Name of Institute		Position Held		From	To
Hansraj College		Part time Assistant Professor		23/1/96	31/3/96
SGTB Khalsa College		Adhoc Assistant Professor		1/8/97	30/9/97
Sri Venkteshwara College		Temporary Assistant Professor		7/11/97	30/4/98
Hansraj College		Adhoc Assistant Professor		27/8/98	21/12/98
Acharya Narendra Dev College		Adhoc Assistant Professor		26/7/99	30/9/99
Acharya Narendra Dev College		Adhoc Assistant Professor		16/10/99	17/11/99
Hansraj College		Adhoc Assistant Professor		18/11/99	28/2/00
Hansraj College		Adhoc Assistant Professor		16/8/01	6/9/06
Hansraj College		Assistant Professor		7/9/06	1/3/13
Hansraj College		Associate Professor		1/3/13	Till Date
Area of Interest/ Specialization					
Physical Chemistry					
Subject Taught					
Chemical Kinetics , Surface Chemistry, Electrochemistry, Phase Rule, Modern Chemistry, Ionic Equilibria, Chemical Equilibria, Application of Computers in Chemistry, Molecular Modelling, Conductance					
Publication Profile					
1. AM I Study of the Reaction Paths of Formamidine, J. Indian Chem. Soc. Vol.70 (1993) Page 289-293, R. Kaushik, R.C. Rastogi & N.K. Ray					
2. Density Functional Study of the Reaction Paths of Formamidine, Indian J. Chem. Vol.36A (1996) Page 629-632, R. Kaushik, R.C. Rastogi & N.K. Ray					

3. Reaction of ROH (R=H, CH<sub>3</sub>) with HNCO : A theoretical Study, Indian J. Chem. Vol.36A (1996) Page 252-254, **R. Kaushik** & N.K. Ray
4. Density functional Study of the Isomers of HCP and AIOH, Proc. Indian Natn. Sci. Acad. Vol.63A(1997) Page 345-349, H.C. Tandon, **R. Kaushik** & N.K. Ray.
5. The Role of Common Ion and Adverse Ion in Analytical Chemistry, J.T.R.Chem. 10(1), (2003) Page 44-49, **Renu Parashar** and R.K. Parashar.
6. Cost Reduction of Complexometric Titrations by Two Burette Method, J.T.R. Chem. Vol.13 (2) (2006) Page 55-58, **Renu Parashar**, R.K. Parashar & V.P. Gupta.
7. Study of Corrosion Inhibition Efficiency of Naturally Occurring Argemone Mexicana (Satyanashi) on Aluminum in HCL Solution. J. Teaching and Research in Chem. Vol. 15(1) (2008) Page 21-24, Pooja Sharma, R.K. Upadhyaya and **Renu Parashar**.
8. Study of Corrosion Inhibition Efficacy of "Cordia Dichotoma" Extracts For Mild Steel in Acidic Media, Inter J. Curr. Trends Sci. Tech., 3(2), (2012) Page 70-80, R. Khandelwal, S.K. Arora, R.K. Upadhyay, S.P. Mathur, **R. Parashar**.
9. Inhibitive Effect of Alcoholic Extract of Pergularia Daemia on Corrosion of Mild Steel in Hydrochloric Acid Solution, Int. J. Eng. App. Sci. Vol. 2(7) (2015) Page 79-83, Gajendra Singh, S. K. Arora, S. P. Mathur, **Renu Parashar**.
10. Is estimation of residual free chlorine in water by drop number titration method Reliable? Investigation of Statistical , Pragmatic, Psychological and philosophical reasons, Int. J. Chem. Pharm. Rev. Res. Vol 2(1) (2015) page 11-18, Shashi Chawla, **Renu Parashar** and R K Parashar.
11. Environmentally Benign iodometric method for estimation of copper, Journal of Integrated Science and Technology, 4(2), page 63-69 (2016), Shashi Chawla, R K Parashar and **Renu Parashar**.

#### Conference Organization/ Presentations

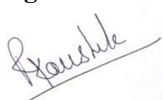
1. Participated in Three days faculty Development programme on "fundamentals of Intellectual Property Rights" January 23-25<sup>th</sup>, 2020 organized by Department of Botany & IQAC in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
2. Participated in Three days faculty Development programme on "fundamentals of Intellectual Property Rights" January 23-25<sup>th</sup>, 2020 organized by Department of Botany & IQAC in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
3. Contributed as a Core Committee/ Course Coordinator working Group Member/ Proof Reading Committee Member in the Chemistry Undergraduate Curriculum revision based on Learning Outcome-based Curriculum Framework (LOCF) on 19 December 2019.
4. Worked as member of Organizing team of one week faculty Development programme on "ICT in Education and Cyber-security" July 10-16, 2019 organized by Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
5. Worked as the resource person in the workshop on "Hands on Training Program for the Laboratory staff" on June 13 & 15, 2019 at Department of Chemistry, Hansraj College, University of Delhi.

6. Worked as member of Organizing Committee for 1<sup>st</sup> International Conference on Integrative Chemistry, Biology and Translational Medicine organized by the Centre for Global Health, Hansraj College, University of Delhi & Loyola University Chicago Stritch School of Medicine, USA on 25-26 February 2019.
7. Participated in “Review of Modules (Chemistry) developed by Subject Matter Expert for MOOCs (Massive Open Online courses) for School Education” from 11th to 12th April, 2017.
8. Worked as the resource person in the DBT sponsored workshop on Chemical Test on Food Adulteration on September 20, 2017 in the Department of Chemistry, Hansraj College, University of Delhi.
9. Worked as the resource person in the DBT sponsored workshop on Lab Analysis of Water Quality Parameters on September 18, 2017 in the Department of Chemistry, Hansraj College, University of Delhi.
10. Contributed as Resource Person in on day workshop on “Chemistry Laboratory Working Skills and Safety Education” for non-teaching staff of Chemistry Department organized by IQAC and Department of Chemistry on 17th July 2017.
11. Organized the DBT sponsored workshop on Extraction of Fats and SNF from Milk on April 1, 2017 in the Department of Chemistry, Hansraj College, University of Delhi.
12. Organized a two day National Seminar as President in “Role of Analytical Science in Sustainable Development” on 4<sup>th</sup> and 5<sup>th</sup> March, 2016.
13. International workshop on Emerging Trends of Nanotechnology in Chemistry and Biology, Organizing Member, 2016.
14. Organized the DBT workshop Simulation of Pathological test for UTI in the laboratory, 2016.
15. Delivered an invited talk on Molecular Modelling in Add-On course, entitled “An Integral Perspective for Skill Augmentation” held from 23rd February to 5th March 2016, in Swami Shraddhanand College, University of Delhi.
16. Assisted as a member of the organizing committee in Indo-Portuguese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology (INCB-2016) organized by Department of Chemistry, Hansraj College & Deshbandhu College, University of Delhi, India on association with CQM, University of Madeira, Portugal held on 12-13 February, 2016.
17. Participated in the National Seminar on “Emerging Economics and Challenges to Sustainability towards Developing Nation” held on March 29<sup>th</sup> -30<sup>th</sup>, 2016 at Sri Aurobindo College, Malviya Nagar, New Delhi.
18. Participated from 16<sup>th</sup> -17<sup>th</sup> February 2016 as participant in a Seminar on Recent Trends in Technical Terminology in Science organized by Commission for Scientific and Technical Terminology at Sri Aurobindo College, University of Delhi.
19. Organized the DBT Workshop Application of Analytical techniques in Biochemistry, 2015.
20. Participated from 23<sup>rd</sup> – 24<sup>th</sup> July, 2015 as a participant in a seminar/workshop/ Training Programme organized by Commission for scientific and technical terminology.
21. Organized the DBT sponsored workshop on “Relevance of Experimental Chemistry to Biotechnology” held on March 12-13, 2014, Department of Chemistry, Hansraj College, University of Delhi.
22. Worked as Resource Person in DBT sponsored INSPIRE program in Dec. 2012.
23. Participated in International Conference on Interface between Chemistry and Environment held at Ramjas College on 13<sup>th</sup> -14<sup>th</sup> December 2012 organized by Department of Chemistry, Ramjas College, University of Delhi, Delhi.

24. Participated in National Seminar on "Role of Analytical Techniques in Biological & Environmental Sciences", held on January 27-29, 2011, at the Conference Centre and Kirori Mal College, University of Delhi, Delhi.
25. Participated in the National Workshop on "Role of Analytical Techniques in Industry" held on January 21-22, 2010 at Conference Centre and K.M. College University of Delhi.
26. Participated in Workshop on "Application of Free/Open Source Software in Science Teaching and Research" held on 14<sup>th</sup> -15<sup>th</sup> April 2010 at Acharya Narendra Dev College.
27. Attended two day workshop at institute of lifelong learning Univ of delhi for, "Development of on-line quizzes in chemistry" on 12<sup>th</sup>, 13<sup>th</sup> March 2009.
28. Attended a one day workshop on "Green Chemistry in Real World Practice" on 9<sup>th</sup> March 2009 at University of Delhi.
29. Participated in the 3<sup>rd</sup> Indo-Italian Seminar on "Green Chemistry" organized by the Department of Chemistry, University of Delhi on 9<sup>th</sup> December 2009.
30. Attended a two day National Symposium "Chemistry in Sustainable Development" organized by Hansraj College on 18<sup>th</sup> – 19<sup>th</sup> December 2006.
31. Attended one day Seminar on "Foundation Course Chemistry (CH-103)" on 10<sup>th</sup> October, 2005 organized by Department of Chemistry, University of Delhi, Delhi.
32. Attended "Development of Textual Material in Chemistry Higher Secondary Stage ""Hindi Version for Class – XII from 5<sup>th</sup> January to 9<sup>th</sup> January, 2003 at NCERT, Delhi.
33. Attended a one day workshop on "Environment Friendly Approach to undergraduate Chemistry Lab" on 9<sup>th</sup> October 2003 at Zakir Hussain College, University of Delhi.
34. Attended "Development of Textual Material in Chemistry Higher Secondary Stage" Hindi Version for Class – XI from 24<sup>th</sup> May to 25<sup>th</sup> May, 2002 at NCERT, Delhi.
35. Worked as Resource Person in refresher Course on Computer Application in Chemistry in CPDHE, University of Delhi from 18<sup>th</sup> June to 7<sup>th</sup> July, 1990.
36. Worked as Resource Person in refresher Course on Computer Application in Chemistry in CPDHE, University of Delhi from 6<sup>th</sup> May to 25<sup>th</sup> May 1991.
37. Attended one day seminar on Frontier Technologies in Chemical Biological and Horticultural Sciences", organized by ISAS Delhi Chapter and Department of Chemistry, Kirori Mal College, University of Delhi.
38. Guided the DBT sponsored project titled Hands on with molecular modeling using the software 'ARGUSLAB' and study (A) The conformational analysis of n-butane and (B) The isomerization of But-2-ene in the Department of Chemistry, Hansraj College, University of Delhi.
39. Guided the DBT sponsored project titled Design and optimization of cost effective automated calibrated intensity sensor cell in the Department of Chemistry, Hansraj College, University of Delhi.

<b>Administrative Assignments</b>
<ol style="list-style-type: none"> <li>1. Convenor – Student welfare Committee (2016-2017)</li> <li>2. Convenor – Lab Staff Committee (2015-2016)</li> <li>3. Member – Building Committee /development fund (2014-2015)</li> <li>4. Member – Seminar Committee (2012-2013)</li> <li>5. Member – Library Committee (2012-2013)</li> <li>6. Convenor – Chemical Store Committee (2012-2013)</li> <li>7. Convenor – Instrumentation Committee (2012-2013)</li> <li>8. Convenor – Student welfare Committee (2011-2012)</li> <li>9. Member – Seminar Committee (2011-2012)</li> <li>10. Member – Apparatus Committee (2009-2010)</li> <li>11. Member – Apparatus and Instruments Committee (2008-2009)</li> <li>12. Member –Instruments and Lab Setting Committee (2007-2008)</li> </ol>
<b>Association with Professional Bodies</b>
<ol style="list-style-type: none"> <li>1. Member of Indian Society of Analytical Scientist (ISAS)</li> <li>2. Member of Journal for Teaching and Research in Chemistry (JTRC)</li> <li>3. Member of Association of Chemistry Teachers (ACT)</li> </ol>
<b>Other Activities</b>
<ol style="list-style-type: none"> <li>1. Involved in different committees of Staff Council as a member and convenor.</li> <li>2. Completed two week Faculty Development Programme on “Managing online classes and co-creating MOOCS 3.0” from July 25-August 10, 2020 and obtained grade A<sup>+</sup>.</li> </ol>

**Signature**



**Dr. Renu Parashar**  
**Associate Professor**  
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