


**HANS RAJ COLLEGE
UNIVERSITY OF DELHI
FACULTY PROFILE**

Title	Dr	First Name	RENU	Last Name	PARASHAR
Designation		ASSOCIATE PROFESSOR			
Address		Department of Chemistry, Hansraj College, University of Delhi, Delhi-07			
Phone No Office Residence Mobile		011-27667458			
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 Venkateswara 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					
Administrative Assignments					
<ol style="list-style-type: none"> 1. Convenor – Student welfare Committee (2016-2017) 2. Convenor- Chemical Society (2014-2015) 3. Member – Building Committee /development fund (2014-2015) 4. Convenor- Chemical Society (2013-2014) 5. Convenor- Chemical Store (2013-2014) 6. Member- Chemical Society (2013-2014) 7. Member- Lab Staff Committee (2013-2014) 					

8. Convenor – Chemical Store Committee (2012-2013)
9. Convenor- Instrumentation Committee (2012-2013)
10. Member – Library Committee (2012-2013)
11. Member – Seminar Committee (2012-2013)
12. Convenor – Student welfare Committee (2011-2012)
13. Member – Seminar Committee (2011-2012)
14. Convenor-Apparatus Committee (2010-2011)
15. Member- Apparatus Committee (2009-2010)
16. Member- Apparatus and Instrumentation Committee (2008-2009)
17. Member- Instrumentation /Lab Setting Committee (2007-2008)

Publication Profile

1. AM I Study of the Reaction Paths of Formamidine, J. Indian Chem. Soc. Vol.70 (1993) Page289-293, **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, CH₃) 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. Upadhayay, 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**.

12. ESR Hyperfine Coupling Constants of Some Aluminium Containing Radicals: Part I, Education Times, Vol 9(13), (2018), page42-48, Sunita Bansal and **Renu Parashar**.
13. ESR Hyperfine Coupling Constants of Some Hydrocarbon and Ether Radical Cations: Part II, Education Plus, Vol 9(11), (2018), page26-32, Sunita Bansal and **Renu Parashar**.
14. Double Displacement Reaction is a Misnomer Term in Chemistry, School Science Vol 56(1), (2018), **Renu Parashar** and R. K. Parashar.
15. ESR Hyperfine Coupling Constants of Some Radical Anions Exhibiting Restricted Rotation About C-C Bond and Aliphatic Semidiones: Part III, Edu World, Vol 12(24), (2018), page 79-93, Sunita Bansal and **Renu Parashar**
16. Is Sublimation of Ammonium Chloride, A Physical Change or Chemical Change? School Science, Vol 56(1), (2018), **Renu Parashar** and R. K. Parashar.
17. A Simple Classroom Method to Demonstrate the Law of Conservation of Mass, School Science, Vol 56(4), (2018), **Renu Parashar** and R. K. Parashar.
18. Innovative Design of Mini Multiple Gas Generator, School Science, Vol 57(2), (2018), **Renu Parashar** and R. K. Parashar.
19. Density Functional Study of the Reaction Pathways of the Decomposition of Azidoborane: A Curtius-Type Rearrangement, Res. J. Chem. Environ., Vol25(12), (2021) page 98-106, **Renu Parashar** and Sunita Bansal.
20. Insertion reaction of Mg into the Carbon-Halogen bond in CH₃X (X = F, Cl): A Theoretical Study, Rasayan J. Chem., Special Issue, (2021) page 8-13, **Renu Parashar**.
21. A Density Functional Study of Rearrangement Reaction Of 2, 3-Epoxypropoxide Anion: Payne Rearrangement, JETIR, Vol 9(1), (2022), page a500-a507, Sunita Bansal and **Renu Parashar**.
22. Isomerization of Silylnitrene to Silanimine: A Density Functional Study, Res. J. Chem. Environ. Vol 26(2), (2022) page 47-51, **Renu Parashar** and Sunita Bansal.
23. Ring Closure of HSCH₂CH₂S- And HSCH₂CH₂ CH₂S-: A Density Functional Study, Rasayan J.Chem.,Vol. 15(3),(2022) page 1840-1845, Sunita Bansal and **Renu Parashar**.
24. A Density Functional Study of 1,3-hydrogen shift in Pyronones , Zeichen Journal, Vol.8(12),(2022) page 322-339, Sunita Bansal and **Renu Parashar**.

Conference Organization/ Presentations

1. Attended FDP on “ICT Tools for Teaching Learning” from 23rd – 28th May 2022 organised by Kamla Nehru Mahavidhyalaya, Maharashtra.
2. Attended FDP on “Materials Characterization: Experimental and Theoretical Aspects” from 20th– 24th September 2021 organised by PMMMMNMTT Hansraj college.
3. Attended FDP on “Emerging Areas in Biological and Chemical Sciences” from 31st August -04th September 2021 organised by JIS University, Calcutta.
4. Attended FDP on “Roadmap for Building New India with New Education Policy” organized by PMMMMNMTT Hansraj college from 21st July -25th July 2021.
5. Attended Online workshop on “Tools for Exploring Chemistry” on 12th – 13th July 2021 organised by Shivaji college, University of Delhi.
6. Attended National e-Workshop on “Instrumentation Techniques in Chemical Sciences” from 25th June 2021-29th June 2021 organised by Veer Bahadur Singh Purvanchal University Jaunpur, UP
7. Attended FDP on “Managing Online Classes and Co-creating Moocs 3.0” from 25th July- 10th Aug 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi
8. Participated in Three days faculty Development programme on “Fundamentals of Intellectual Property Rights” January 23-25th, 2020 organized by Department of Botany & IQAC in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
9. Participated in Three days faculty Development programme on “Fundamentals of Intellectual Property Rights” January 23-25th, 2020 organized by Department of Botany & IQAC in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
10. 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.
11. 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.
12. 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.
13. Worked as member of Organizing Committee for 1st 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.

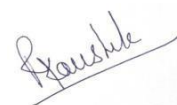
14. Participated in “Review of Modules (Chemistry) developed by Subject Matter Expert for MOOCs (Massive Open Online courses) for School Education” from 11th to 12th April, 2017.
15. Worked as the resource person in the DBT sponsored workshop on Chemical Test on Food Adulteration on September 20, 2017 in the Department of Chemistry, Hansraj College, University of Delhi.
16. 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.
17. 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.
18. 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.
19. Organized a two-day National Seminar as President in “Role of Analytical Science in Sustainable Development” on 4th and 5th March, 2016.
20. International workshop on Emerging Trends of Nanotechnology in Chemistry and Biology, Organizing Member, 2016.
21. Organized the DBT workshop Simulation of Pathological test for UTI in the laboratory, 2016.
22. 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.
23. 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.
24. Participated in the National Seminar on “Emerging Economics and Challenges to Sustainability towards Developing Nation” held on March 29th -30th, 2016 at Sri Aurobindo College, Malviya Nagar, New Delhi.
25. Participated from 16th -17th 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.
26. Organized the DBT Workshop Application of Analytical techniques in Biochemistry, 2015.

27. Participated from 23rd – 24th July, 2015 as a participant in a seminar/workshop/ Training Programme organized by Commission for scientific and technical terminology.
28. 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.
29. Worked as Resource Person in DBT sponsored INSPIRE program in Dec. 2012.
30. Participated in International Conference on Interface between Chemistry and Environment held at Ramjas College on 13th -14th December 2012 organized by Department of Chemistry, Ramjas College, University of Delhi, Delhi.
31. 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.
32. 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.
33. Participated in Workshop on “Application of Free/Open Source Software in Science Teaching and Research” held on 14th -15th April 2010 at Acharya Narendra Dev College.
34. Attended two-day workshop at institute of lifelong learning Univ of delhi for, “Development of on-line quizzes in chemistry” on 12th, 13th March 2009.
35. Attended a one-day workshop on “Green Chemistry in Real World Practise” on 9th March 2009 at University of Delhi.
36. Participated in the 3rd Indo-Italian Seminar on “Green Chemistry” organized by the Department of Chemistry, University of Delhi on 9th December 2009.
37. Attended a two-day National Symposium “Chemistry in Sustainable Development” organized by Hansraj College on 18th – 19th December 2006.
38. Attended one day Seminar on “Foundation Course Chemistry (CH-103)” on 10th October, 2005 organized by Department of Chemistry, University of Delhi, Delhi.
39. Attended “Development of Textual Material in Chemistry Higher Secondary Stage” Hindi Version for Class – XII from 5th January to 9th January, 2003 at NCERT, Delhi.
40. Attended a one-day workshop on “Environment Friendly Approach to undergraduate Chemistry Lab” on 9th October 2003 at Zakir Hussain College, University of Delhi.
41. Attended “Development of Textual Material in Chemistry Higher Secondary Stage” Hindi Version for Class – XI from 24th May to 25th May, 2002 at NCERT, Delhi.
42. Worked as Resource Person in refresher Course on Computer Application in Chemistry in CPDHE, University of Delhi from 18th June to 7th July, 1990.
43. Worked as Resource Person in refresher Course on Computer Application in Chemistry in CPDHE, University of Delhi from 6th May to 25th May 1991.

44. Attended one day seminar on Frontier Technologies in Chemical Biological and Horticultural Sciences”, organised by ISAS Delhi Chapter and Department of Chemistry, Kirori Mal College, University of Delhi.
45. 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 during 2017-2018
46. 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 2017-2018

Association with Professional Bodies

1. Member of Indian Society of Analytical Scientist (ISAS)
2. Member of Journal for Teaching and Research in Chemistry (JTRC)
3. Member of Association of Chemistry Teachers (ACT)



Signature
Dr Renu Parashar
Associate Professor
Department of Chemistry
Hansraj College
University of Delhi