



Name (Dr./Mr./Ms.)	Lt. Dr. Padma Saxena	
Designation	Associate Professor	
Institute/Department	Department of Chemistry, Maitreyi College, University of Delhi	
Email	Padma5466@yahoo.co.in	
Educational Qualifications		
Degree	Institution and University	Year of Award
B.Sc. (Hons) Chemistry	Hindu College, University of Dehi	1986
M.Sc. Chemistry	Hindu College, University of Dehi	1988
Ph.D Chemistry	University of Dehi	1997
Career Profile		
Associate Professor 2000-till date - (Permanent) Maitreyi College, University of Delhi Senior Lecturer 1996-2000 - (Permanent) Maitreyi College, University of Delhi Lecturer – 1992-1996 – (Temporary) Maitreyi College, University of Delhi		
Administrative/Organizational Assignments (Year wise)		
NSS, program officer 1998 - 2000 Member Union Advisory Committee, 2001 - 2002 Teacher – In-Charge – Department of Chemistry, 2000-2001 NCC, Care taker, July 2005-Sept 2007 Accompanied 50 NCC & NSS students on Gyanodaya-2012 trip. Accompanied 30 NCC students on Gyanodaya-2013 trip. Associate NCC Officer, Dec 2007 – April 2022. Convenor Antiragging cell, 2022 - till date		
Area of Specialization		
Physical Chemistry		
Area of Specialization in Research		
<i>Solution Chemistry.</i>		
Publications Profile		

1. Partial molar volume of monovalent ions in ethanolamine and water + ethaolamine mixtures at 25 C , J. Solution Chemistry, 21, 361 (1992).
2. Molar conductivity of alkali halides in ethanolamine and water + ethaolamine mixtures at 298.15, J solution Chemistry, 34A, 273 (1995)
3. Development of polyaniline Zinc oxide nanocomposite impregnated fabric as an electrostatic charge dissipative material, Polymer International DOI: 10.1002/PI4870 ISBN: 1097-0126.
4. Development of environment friendly novel membrane based on activated carbon modified with polyaniline-ZnO nanocomposite for removal of E.coli and total coliform bacteria from waste water. National seminar on environmental economics and social sustainability. EEES-2014, ISBN: 978-81-920509-5-8.
5. Development of ecofriendly and smart anticorrosive coating based on polyaniline-Fe₂O₃ nanocomposite/epoxy resin for protection of iron in aggressive environment presented as national symposium, (17,18 feb 2015) "innovations in composites for general purpose and high end applications". University school of basic and applied science, Guru Govind Singh Inderpresth University Dwarka, New Delhi.
6. Poster Presented, Corrosion inhibition performance of zno nanoparticles embedded poly(aniline-co-2-sec.butylaniline) composites in highly corrosive environment, at National conference on Nanoscience – Opportunities and challenges, 19-20 Feb 2016.
7. Participated as resource person in the workshop on "Development of a model Cooperative Learning strategy for teacher orientation in chemistry" 31st oct – 1st Nov 1999. Deptt. Of Education in Science & Mathematics, NCERT, Delhi.
8. Participated as resource person in Workshop on "Development of Content for Creating an Internet Based Virtual Laboratory For Class X Science (Chemistry) Practical" CIET, National Council for Education, Research and Training. N. Delhi. INDIA
9. Poster Presentation on "Application of Molecular Modeling in AIDS research" Second International Symposium on "GREEN/SUSTAINABLE CHEMISTRY". IUPAC, 10-11 Jan 2006. Department of Chemistry, University of Delhi, Delhi 110007 & New Jersey Institute of Technology.
- 10.

Research Projects

Innovation Project 2012-13 study of surface tension (MTC-102)

Innovation Project 2013-14 Waste Water Treatment and corrosion protection by development and evaluation of conducting polymer nano - composite impregnated materials (code –MTC-201)

Awards and Distinctions

1. Pre Commission Certificate, (3rd Sept. 2007 – 01 Dec 2007), NCC Officer Training Academy, Gwalior, MP, India

Association With Professional Bodies

1. **ISAS, Indian Society of Analytical Scientist, Delhi Chapter.**

Conference/Workshop/Seminar/ Symposium/ Colloquia Organized /Attended

- Seminar on Molecular Spectroscopic Techniques, 30 March 2015, Maitreyi College, University of Delhi, Delhi
- Himachal Trek at Paprola HP India, 5th – 12th June 2014, NCC Directorate India.
- NCC trekking Camp, 6 – 14 Nov 2013, NCC Directorate Rajasthan, India.

- Workshop on foundation course - Science and life, 21,22 June 2013, CPDHE, University of Delhi, Delhi 110007.
- Quality assurance through blended learning, 19,20 Jan 2010, Maitreyi College, University of Delhi, New Delhi
- ICT workshop for capacity building, 21st-24th Dec 2009, ILL, University of Delhi, workshop at Maitreyi College, University of Delhi, New Delhi.
- Entrepreneurship development in mitigation of climate change, 20,21 Nov, 2009. Mahatma Gandhi Institute of integrated Rural energyplanning and development, MNRE, Govt. of India +NCT, Delhi.
- Recent Trends in Analytical Techniques (RTAT '07), 14,15 Feb 2007, Deen, Dayal Upadhyaya College, University of Delhi, Delhi.
- National Workshop on Challenges and Opportunities In Chemistry, 22- 23 Sept 2006. Department of Chemistry, Maitreyi College, university of delhi, Delhi
- Symposium on Monte Carlo and Computer Simulation Techniques. 19 Nov 2004. CSIR, N. Delhi. A.R.S.D. College University of Delhi. Delhi.
- National Seminar on Recent Trends In Chemistry, 22- 24 Sept 2004. Department of Chemistry, Maitreyi College, university of Delhi, Delhi
- UGC Sponsored Refresher Course in Chemistry. 15th April – 7th May 02. Centre for Professional Development in Higher Education (CPDHE) University of Delhi, Delhi 110007, INDIA
- UGC Sponsored Refresher Course in Chemistry. 3 – 25 April 2001. Centre for Professional Development in Higher Education (CPDHE) University of Delhi, Delhi 110007, INDIA.
- UGC Sponsored Orientation Course in. 25th Sept 1992 – 23th Oct 1992. Centre for Professional Development in Higher Education (CPDHE) University of Delhi, Delhi 110007, INDIA.