

Teacher Profile

- Name : Dr. Renu Aggarwal
- Department : Chemistry
- Designation : Associate Professor
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Educational Qualifications			
Qualification	Title/Course	University	Year
Undergraduate	B.Sc.(H) Chemistry	D.U.	1984-1987
Postgraduate	M.Sc. (organic Chemistry)	D.U.	1987-1989
M.Phil.			
Ph.D.	“Synthesis of some new Heterocyclic compounds containing pyrimidines”	D.U.	1989-1993
Any other	Diploma in Bioinformatics	STG	2003

Career profile		
Teaching Experience in years	Area of Specialization	Courses and Subjects taught
22 Years	Organic Chemistry	Taught different topics of organic chemistry in B.Sc.(H) Chemistry I year B.Sc.(H) Chemistry II year B.Sc(H) Chemistry III year B.Sc. (general) III year B.Sc (Programme) II year B.Sc.(H) Microbiology B.Sc. (H) Zoology B.Sc. (H) subsidiary chemistry I year- B.Sc.(H) Chemistry(FYUP) I year- Foundation course (Science & Life)

Minor Projects
<ol style="list-style-type: none">1. The use of extracts of Amblica as reducing agents instead of chemicals2. Removal of toxic textile dyes from water using benign aq. Biphasic systems3. Monitoring of heavy metals contaminants in Dietary Vegetables.

Publication/s with ISSN/ISBN No.	
Journals	<ol style="list-style-type: none"> 1. Review Article: Chemistry of Thiobarbituric Acid, Proc. Indian national Sci. Acad., 62A, No. 5, 1996, pp 369-413, ISSN: 0370-0046 2. A convenient synthesis of some new Pyrano[2,3-d]pyrimidines, Org. prep. proc. Int., Vol. 24, No. 6, 1992, pp. 675, ISSN: 0030-4948 3. A convenient one pot synthesis of 5-aryl-7-methyl-1,2,3,4-tetrahydro-2,4-dioxo-5H-pyrano[2,3-d]pyrimidines, Indian J. of Chemistry, Vol 32B, 1993, pp. 963-964. ISSN: 0376-4699 4. A convenient one pot synthesis of 1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydro-10H-pyrimidines[5,4-b][1,4]benzothiazines, Indian J. of Chemistry, vol. 33B, 1994, pp. 65-66, ISSN: 0376-4699 5. Synthesis of some 1,3-diaryl-5-[2,3-dihydro-benzothiazol-2-ylidene]-2-thiobarbituric acids, Indian J. Chem, vol. 33 B, 1994, pp. 1089-1090, ISSN: 0376-4699 6. Synthesis of some new C5-substituted pyrimidine derivatives as potential insecticides, Indian J. Chem, vol. 35B, 1996, pp. 976-979, ISSN: 0376-4699 7. Synthesis of 3-(1,3-diaryl-4,6-dioxo-2-thioxoperhydropyrimidin-5-yl)-2H-[1,4]benzothiazines, J. Chem. Research(S), 1997, pp. 16-17, ISSN: 1747-5198 8. A convenient synthesis of some new pyrano[2,3-d]pyrimidines, Indian J. Chem, vol. 35B, 1205(1996), ISSN: 0376-4699 9. Synthesis of some new 2-(pyrazol-1-yl)-4-(pyrimidine-5-yl)thiazol, Indian J. Chem, vol. 36B, 920(1997), ISSN: 0376-4699

Books Written
<ol style="list-style-type: none"> 1. Comprehensive Practical Organic Chemistry, University Press Ltd. 2. Organic Synthesis Special Techniques, Narosa Publishing House 3. Alicyclic Chemistry, Ane Books Pvt. Ltd. 4. Laboratory Techniques in Organic Chemistry, I.K. International 5. Intermediates for Organic Synthesis, I.K. International

Conference/Symposia/Workshops Attended /Organised				
Faculty	International level	National level	State level	College Level
Attended	<ol style="list-style-type: none"> 1. IUPAC International Conference on Biodiversity and Natural Products (2004) 2. International Conference on Chemistry Biology Interface (2004) 3. International Symposium on Advances in 	<ol style="list-style-type: none"> 1. Frontier Technologies in Chemical, Biological and Horticultural Sciences (2005) 2. National Seminar on Green Chemistry and Natural Products (2007) 3. Workshop on Green Chemistry Education (2007) 	<ol style="list-style-type: none"> 1. One Day Seminar on Restructured B.Sc. Programme (2006) 2. ILL Workshop (2010) 	<ol style="list-style-type: none"> 1. One day seminar on International Year of Chemistry

	Fingerprint Technology(2006) 4. Indo-Italian Workshop on Chemistry and Biology of Antioxidants(2009) 5 IUPAC International Symposium on Green Chemistry(2001)	4. National Workshop on Emerging issues in Chemical Safety and management (2008)		
Organiser-	Member of the organising committee of IUPAC Sponsored second International symposium on Green Sustainable Chemistry (Jan 2006)	Member of the organising committee of Chemistry ,Environment and you-Challenges for the Future(2007)		Conducted Add-on course "Forensic Science" in collaboration with Directorate of Forensic Science, Govt. of India.

Staff Development Programmes: Attended and Organised	
Refresher Courses / Orientation Programmes	<ol style="list-style-type: none"> 1. Refresher course in innovation in Small Scale Chemistry ,CPDHE (DU)(1994) 2. Refresher course in Organic Synthesis, CDDHE(DU) (1995) 3. Refresher course in Chemistry ,CPDHE (DU)(2000) 4. Refresher course in Environmental Science,JNU(2001)
Staff training by University/other Institutions	<ol style="list-style-type: none"> 1. Workshop on Introduction to Bioinformatics, DBT, Ministry of Science and Technology 2. ICT workshop, ILLI, Delhi University 3. Interdisciplinary Seminar on New Frontiers in Biotechnology, DBT
Summer/ Winter School Workshops	1.Winter School on Magnetic Resonance:Recent Advances(1991)

Areas of Interest	
Academic	Organic Chemistry
Non Academic	Sports

- Participation in Curriculum Restructuring
 - Involved in making course content of DC I, DC II and AC of FYUP (2013)
 - Involved in preparation of question bank of different topics of organic chemistry in semester system.

- Corporate Participation at the College Level
 - Deputy Supretendentship of University Annual Examination (April 2000)
 - Member of college prospectus committee (2005-2007)
 - Member of Internal Assessment Committee for 5 years
 - Student Advisor for 3 years (2010-2013)
 - Convenor of building maintenance committee (2013 to 2015)
 - Member of main Time table Committee (2013 to date)
 - Member of Foundation Course Committee of FYUP
 - Member of the committee for NAAC

- Corporate Participation at the Departmental Level
 - Teacher Inchargeship(2006-2008)
 - Chemical Society Convenor
 - Library Committee member
 - Involve in purchase and stock checking of chemicals and apparatus
 - Lab maintenance committee member
 - Time Table Committee member
 - Supretendent of Annual Practical Examinations (2006-07 &2007-08)

- Members of Professional Association/s
 - Life member of Indian Science Congress Association.
 - Life member of Indian Society of Analytical Scientists
 - Member of Green Chemistry Network Centre
- Awards and Scholarships
 - Junior research Fellowship (CSIR) 1990-92
 - Senior Research Fellowship(CSIR) 1992-94
- Any Other
 - Prepared the Audio-Visual lectures for CEC programme of UGC
 - Conducted Practicals of IGNOU
 - Involved in paper setting and evaluation on a regular basis of University Exam
 - Visits to various educational institutes and R&D of pharmaceutical companies
 - Guided the projects “Monitoring of heavy metals contaminants in Dietary Vegetables” and “Removal of toxic textile dyes from water using benign aq. Biphasic systems” under the scheme” Path Finder”