

FACULTY PROFILE

1. Name: DR MAMTA AHUJA



2. Email Id: mamdeep@rediffmail.com

3. Year of Appointment: 30.8 1996

4. Designation & Department: ASSOCIATE PROFESSOR, CHEMISTRY

5. Qualification: MSc , Ph.D. , SRF, RA(CSIR)

6. Membership of Professional Bodies:

S. NO.	SOCIETY	FELLOWSHIP NO.
1.	INDIAN CHEMICAL SOCIETY	F/7616
2.	INDIAN COUNCIL OF CHEMISTS	AF/7461

7. Award & Achievements: NA

8. Area of Research: COORDINATION CHEMISTRY, ANALYTICAL CHEMISTRY

9. Research Projects Completed/Ongoing: ONE MINOR RESEARCH PROJECT(UGC)
ONE MAJOR PROJECT(UGC)

10. Research Paper Published

1. **Mamta Ahuja** and A.K. Rai, Adsorption Studies with some Chelating Ion-exchange Resins derived from Guaran. Carbohydrate Polymers, **33** (1997) 57-62.ISSN 0144-8617 I.F. 4.33
2. **Mamta Ahuja**, A.K. Rai and P.N. Mathur, Adsorption Behaviour of Metal Ions on Hydroximate Resins. Talanta, **43** (1996) 1955-63.ISSN 0039-9140 I.F. 3.756

3. **Mamta Dudeja**, R. Malhotra, M.P. Gupta and K.S. Dhindsa, Ligational Behaviour of Substituted 4, 5-dihydropyrazoles towards Oxovanadium(IV) and Metalation effect on the Antimicrobial Activity. Synth. React. Inorg. Met. Org. Chem., **26** (6) (1996) 925-41. ISSN 1553-3174 IF 0.715
4. R. Malhotra, J.P. Singh, **Mamta Dudeja** and K.S. Dhindsa. Ligational Behaviour of N-Substitued Acid hydrazides towards Transitions Metals and Potentiation of their Microbiocidal Activity J.Inorg.Biochem. **46**(2) (1992) 199-122. ISSN 0162-0134 IF 3.45
5. **Mamta Ahuia**, A.K. Rai and P.N. Mathur Synthesis of Hydroximate Resins for the Selective Adsorption of Metal Ions. J. Polym. Mater. **13** (1996) 211 -14. ISSN 0091-4037 IF 2.784
6. **Mamta Ahuja**, S. Gupta and P.N. Mathur. Selective Adsorption of Metal Ions on a New Chelating Ion Exchange Resin Chemically Derived from Guaran. J. Polym. Mater. **12** (1995) 257-61. .ISSN 0091-4037 IF 2.784
7. K. Swati, **Mamta Ahuja**, S. Harsh and P.N. Mathur Development of Specialized Chemicals for Minera l Beneficiation in a Proceedings International Symposium on Mineral Beneficiation - Recent Trends and Beyond 2000 A.D.
8. **Mamta Dudeja**, R. Malhotra, K.S. Dhindsa. Synthetic and Biocidal Studies on Novel Coordination Compounds of Substitued 4, 5 -Dihydropyrazoles. Synth. React. Inorg. Met. Org. Chem. **23** (6)(1993) 92 1-935 ISSN 1553-3174 IF 0.715
9. **Mamta Dudeja**, R. Malhotra, M.P. Gupta and K.S. Dhindsa, Ligational Behaviour of substituted Pyrazolines towards Transition Metals. Indian J. Chem., **32** (A) (1993) 975-979. ISSN 0376-4710 IF 0.6
10. **Mamta Dudeja**, J.P. Singh, N.K. Sangwan and K.S. Dhindsa. Coordination Behaviour of Chloroquine towards some Biologically Significant Metal Ions. J. Indian Chem. Soc. **70** (1993) 159-61. ISSN 0019-4522 IF 0.437
11. **Mamta Dudeja**, J.P. Singh, N.K. Sangwan and K.S. Dhindsa. Synthesis and Characterization of VO(IV), Fe(II), Cu(II) Chelates of some Cinchona Alkaloids. Chimica Acta Turcica, **18** (1990) 359-364. ISSN 0379-5896
12. **Mamta Dudeja**, J.P. Singh, N.K. Sangwan and K.S. Dhindsa. Synthesis and Characterization of Oxovanadium(IV), Iron(II), Cobalt(II), Nickel(II) and Copper(II) Complexes with Cinchonidine. Vijnana Parishad Anusandhan Patrika, **32** (1989) 7-14. ISSN 0505-5806
13. J.P. Singh, **Mamta Dudeja**, M.P. Gupta, N.K. Sangwan and K.S. Dhindsa. Chalcone and Chalconeoxime Complexes as Potential Antifungal agents. Vijnana Parishad Anusandhan Patrika, **32** (1989) 7-14. ISSN 0505-5806
14. **Mamta Ahuja**. Synthesis of manganese complexes of 4,5 – dihydropyrazoles and metalation effect on the antimicrobial activity. Asian J. Chem., 26(19), 6443-6446, 2014. I.F. 0.355
15. **Mamta Ahuja** and P.N. Mathur , Synthesis of Environment Friendly Chelating Ion Exchange Resin Specific for Zinc, Int. J. Chem. Sci, 11(3), 1417-1425, 2013. ISSN 0972-768X IF 1.6

16. **Mamta Ahuja** and Anu Agarwal. Synthesis and Spectroscopic Characterization of Some New Biological Active Chromium-Pyrazoline Derivatives, Trends in BioSciences, 7(6),441-445,2014. ISSN No:0974-8431 NAAS rating; 2.7
17. **Mamta Ahuja**. Synthetic and Biocidal Studies on Oxovanadium Complexes of Substituted 2-Pyrazolines having Thienyl Moiety. J.Indian Chem. Soc.,91(7),1277-1282,2014. I.F. 0.437
18. Deepika Solanki, R. AmetaA. Porwal and **Mamta Ahuja** , Removal of Nickel(II) over Bismuth Vanadate Powder, Sci. Revs. Chem. Commu. 4(3), 117-123, 2014. . ISSN No:2277-2669 IF 0.774
19. **Mamta Ahuja** and Anu Agarwal. Synthesis of Hydroximate Biopolymers for the Selective Adsorption of Metal ions. Der Chemica Sinica , 6(2), 83-89,2015. ISSN 0976-8505 I.F. 0.676
20. **Mamta Ahuja** and Ravi Sethi, Synthesis and Characterization of Some Novel 2- Pyrazoline Derivatives and Study of Their Antibacterial Activity, Sci. Revs. Chem. Commun., 5(1), 7-12, 2015 ISSN No:2277-2669 IF 0.774
21. **Mamta Ahuja** and Ravi Sethi, Synthesis, Characterization and Antimicrobial Study of Copper Complex of 1-Acetyl-5-(4-Nitrophenyl)-3-(2-thienyl)-2-Pyrazoline, Acta Chimica Pharmaceutica Indica, 5(1),41-46, 2015 .ISSN No:2277-288X
22. Ravi Sethi & **Mamta Ahuja** Metal Complexes of Pyrazolines and Effects of Complexation on Biological Activity, International Journal of Current Research 7(11),.23140-23143, , 2015
23. A. Ameta, R. Ameta and **Mamta Ahuja** Photocatalytic Degradation Of Methylene Blue Over Ferric Tungstate,3(3),172-180,2013 Sci. Revs. Chem. Commun. 2277- 2669 if 0.774
24. Ravi Sethi and **Mamta Ahuja** Synthesis, Characterization and Antibacterial Activity Of Cobalt Complex Of 2-Pyrazoline With Pyridinyl Moiety Vol.9 No.1, Pp35-40 (2016) Int.J.PharmTech Reserch 0974-4304 IF 0.36

11. Books & Chapters in Edited Volumes/Books Published/Conference Proceedings 02

12. Conference/Courses/FDP

- a) **Total Number Conferences/Seminars/Workshop attended: 40**
- b) **Total Number of FDP/Training Courses/Any Other Courses attended: 03**
- c) **Total Number Refresher/Orientation/Short Term Courses attended: 03**

13. Research Guidance

Total Number of Awarded: 03

Total Number of Ongoing :01

14. Any other Information: