

## FACULTY PROFILE



Name: **Dr. (Ms) Anju Sharma**  
Designation: **Associate professor**  
Subject: **Chemistry**  
Address: Department of Chemistry, S.B.R.M. Govt. PG College, Nagaur, Rajasthan  
Email & Mob No.: [anju1966@gmail.com](mailto:anju1966@gmail.com), +91-8949580355

<b>Educational Qualifications</b>		
<b>Examination</b>	<b>Year of passing</b>	<b>University/ Institution</b>
M.Sc. (Chemistry)	1989	Jodhpur University
B.Sc.	1987	Jodhpur University
Higher Secondary	1984	BSER, Ajmer
Secondary	1983	BSER, Ajmer

### **Professional Qualifications:**

- **Ph.D.**- 1991 from Jodhpur University. Thesis entitled on “Study on the transition chelate of polydentate derived from homocyclic and heterocyclic carbonyl and amino compounds”
- **Research Supervisor:** Professor R.K. Mehta

**Field of Research:** Coordination chemistry and environment

**Books published:** 1. B.Sc. Text Book Inorganic chemistry, B.Sc. first year, 2011  
2. B.Sc. Text Book Physical chemistry, B.Sc. first year, 2011

### **Teaching Experience:**

- 24 year experience of teaching under graduate classes (Both theory and Practical) for college education

- 24 year experience of teaching post graduate classes (Both theory and Practical) for college education

### **Service record/ History in college education:**

- Date of joining: 1December 1998
- Senior scale: 1December 2002
- Selection Scale :1December 2007
- Pay band 4: 1December 2010

### **Orientation/ Refresher Course Attended:**

- Attended Orientation course at JNVU Jodhpur, during 7th January to 02 February 2002
- Attended Refresher course at jnvu jodhpur, during 15th January to 03 February 2007
- Attended Refresher course at jnvu jodhpur, during 5th September to 24th September 2005

### **Book Chapters:**

Bina Rani, Itishri Bhati, Meenakshi Yadav, Nupur Shishocia, Gargi Pachauri, MM Adul Ali khan, Harsukh Chharang, **Anju Sharm**, K Maheshwari, State of the Art Bioremediation on all-inclusive and generous new technology to integrate contamination from polluted soil and waste water by Discovery publication house Pvt Ltd New Delhi. Environmental toxicology and Bioremediation, 2019 pp. 22-39

### **No of Symposium / Seminar/ Conferences Attended:**

1. International Conferences Attended: 03
  2. National Conferences Attended: 27
- **International Conference** on Green Initiatives in Science & Technology (GIST-2019) at Faridabad, 10<sup>th</sup> -11<sup>th</sup> January, **2019** (Paper Presented)
  - International Conference Recent advances in environmental protection RAEP, At Agra 17<sup>th</sup>-19<sup>th</sup> December, 2009 (Paper Presented)
  - **6th International Conference** at Penta Hotel, Roissy-en-France (Paris) Courtyard by Marriot-Avenue des Olympiades (Brussels), 6<sup>th</sup>-8<sup>th</sup> June, **2019** (Poster Presented)
  - **National Conference** Climate Change and Sustainable Development Issues and Policy Initiatives at Jaipur 23-24th December, **2019**

- Chemistry Conference International Year of Periodic Table (IYPT 2019) 'Know Your Elements' at Jaipur 29th 30th November, **2019**
- [National Symposium](#) on Arid Environment and Sustainable Development at Jodhpur 22 September, **2019**
- [National Seminar](#) on Current Trends and Advancement in Chemical, Physical and Life Sciences (CTACPLS-2019) at Jodhpur 15-16 March, **2019**
- [National Conference](#) on Resilience and Resource Management Including ICT For Sustainable Agriculture & Biotechnology at Agra 23-24 February, **2019**
- [National Workshop](#) on Instrumentation Techniques for Research in Chemical Sciences (ITRCS-2019) at Ajmer 6- 7 September, **2019**
- [National Conference](#) Advances in Science and Technology an Interdisciplinary Approach 15-16 October, **2018**
- [National Conference](#) on Environmental Conservation Management for sustainable Era EGMSE 2012 At Jaipur 20-22th December, **2012**

#### Inspire project in college education:

1. Supervision: 05
2. Co-supervision: 11

#### List of Research Publication:

##### 41 Research paper have been published in national and international reputed journals:

1. [Anju Sharma](#), Upasana Bhardwaj, Gokul ram, Shobha Sharma and RK Mehta, Bio-Inorganic studies of some Schiff bases containing Nitrogen, Sulphur and Oxygen Donor atoms and their Co (I), Ni(II) and Cu(II)- chelates; J. Curr. Biosci.; 7(4); 149, **1990**.

2. **Anju Sharma**, Upasana Bhardwaj, Gokul ram, Shobha Sharma and RK Mehta Thermodynamic and stability studies on Co-II, Ni-II, Cu-I, Zn-I, Cd-I, UO, and VO chelates of o-(N- $\alpha$ -Pyrollidineimino) phenol and o-(N- $\alpha$ -Pyridineimino) phenol; Trans. S AEST, 26; 246; **1991**.
3. Upasana Bhardwaj, **Anju Sharma**, Gokul ram, Shobha Sharma and RK Mehta Synthesis, characterization and Physico-chemical investigation on Cr-III, Mn-III, Cu-II, Co-II and Ni-II chelates of o-(N-a-benzoylacetimino) ethanol amine and o-(N-thiophene-2-acetyl imino) ethane sulphonic acid; Nat. Acad. Sci. Letters; 14; 125; **1991**
4. Shobha Sharma Vimla Choudhary **Anju Sharma**, Lata Jain and RK Mehta Dimeric chelates of Cu-II, Co-II and Ni-II of dibasic tridentate possessing O-N-S moieties Nat. Acad. Sei. Letters; 14; 245; **1991**.
5. Rajeev Goyal, Vikal Gupta, **Anju Sharma**, BR Patel and RK Mehta, Synthesis, Characterization and Structural investigations on lanthanon (III) chelates of tridentate Schiff bases, Proc. Nat. Acad. Sci.; 62(A),II;**1992**.
6. Dinesh Janu Upasana Bhardwaj, RK Soni, **Anju Sharma**, Lata Jain, Shobha Sharma and RK Mehta Synthesis and Characterization of Cr(II), Mn(II), Co(II), Ni(II) and Cu (II) chelates of o-(N- Thiophene-2-chloroimino) propanoic acid and o-(N-Furan-2-acetylimino)benzoic acid, Asian J. Chem.:4(4);798,**1992**

7. Shobha Sharma, Anupama Jain, **Anju Sharma**, Lata Jain, Vimla Choudhary and RK Mehta Investigation on binuclear Ni-I, Cu-II and VO<sup>+2</sup> chelates of Tridentate possessing N-N- S moiety; Nat. Acad. Sci. Letters; 15; 179; **1992**.
  
8. **Anju Sharma**, Lata Jain, Gokul ram, Shobha Sharma S. Jangid, and RK Mehta Physico-chemical investigation on Lanthanons-III chelates of multidentate possessing N, O, O donor; Asian J. Chem.; 5; 153; **1993**.
  
9. S Sharma and **A Sharma**, Synthesis and antimicrobial studies of Cu-II, Co-II and Ni-II complexes having N-N-O, N-S-O and N-O-O moiety; Oriental J. Chem.; 16(2); 349; **2000**.
  
10. S Sharma, V Choudhary and **A Sharma**, Thermodynamic and spectral studies on Lanthanons-III chelates of multidentate ligands; Oriental J. Chem.; 17(3); 479; **2001**.
  
11. Anil Bhandari, **A Sharma**, S Sharma, and V Choudhary, Magnetic, spectral and thermal studies on Cu-I, Ni-II, Co-I, Zn-II Cd-II, UO, and Vo, II chelates of o-(N- $\alpha$ -Pyridineimino) phenol and o-(N- $\alpha$ -Pyrollidineimino); Asian J. Chem.; 14(1); 437; 2002.
  
12. **A Sharma**, S Sharma, and V Choudhary, Synthesis, characterization and biological properties of Mn-II, Cu-II, Ni-, Co-II chelates of some Schiff bases containing N-S-O and N-O-O, moiety; Asian J. Chem.; 14(3); 1299; **2002**.
  
13. Anil Bhandari, **Anju Sharma**, Shobha Sharma and Vimla Choudhary Antibacterial, antifungal and spectral investigation on some monoprotic tridentate ligands and their bivalent metal chelates; Oriental J. Chem.; 18(2); 371, **2002**.

14. **Anju Sharma**, Shobha Sharma and Vimla Choudhary Synthesis, characterisation of Cr-I, Mn-I, Cu-I, Ni-II and Co-II chelates of monoprotic tridentate possessing N-N-O moiety; Asian J. Chem.; 14(4); 1725; **2002**.
15. Sanjay Jain, Jaya Rathore, **Anju Sharma**, Shobha Sharma and Vimla Choudhary Ground water contamination by nitrate due to industrial effluents in Jodhpur region; J. Inst. Chemists; 79(2); 58; **2007**.
16. Jaya Rathore, **Anju Sharma**, Shobha Sharma Sanjay Jain and Vimla Choudhary Ground water quality assessment at Pali, Rajasthan – India, J. Envi. Sci. & Eng., **2009**, 51(4), 269.
17. Jaya Rathore, **Anju Sharma**, Shobha Sharma Sanjay Sharma and Vimla Choudhary Occurrence of high fluoride ground water in Pali and Rohit Blocks along the course of River Bandi Rajasthan; J. Inst. Chem., **2009**, 83(3), 83.
18. A. K. Suthar, R. Mathur, **A. Sharma** and S. Sharma Assessment of Ground water quality of Rajasthan with special reference to Jodhpur Barmer Region, Int. J. Chem. Sci., **2010**, 8(3), 1992,
19. R. Mathur, A. K. Suthar, R. Sharma, **A. Sharma** and S. Sharma., "Assessment of ground water quality of Rajasthan with special reference to Jodhpur and Barmer region," Int. J. Chem. Sci.: 8(3), **2010**, 1992-1998
20. R. Sharma, A. K. Suthar, R. Mathur, **A. Sharma** and S. Sharma., "Physico Chemical of Groundwater Studies Quality of Pali Region, Rajasthan", International Journal of Current Chemistry: Vol. 2, No. 3, July-September **2011**, ISSN: 0976-0784; pp-173-178.
21. A.K. Suthar, R. Mathur, **A. Sharma** and S. Sharma Physico-chemical studies of Groundwater quality of Pali region, Rajasthan; Int. J. Curr. Chem.; 2(3);149;**2011**.

22. Raaz Maheshwari, **Anju Sharma**, Shobha Sharma, Rajesh Kumar Yadav, Manoj Kumar and Bina Rani, "Reverse Osmosis An Emerging Technology for the Production of Safe Water." J. Biol. Chem. Research, Vol. 28, no 122 30-42 (2011)
23. Ruchi Mathur, **Anju Sharma**, AK Suthar, Ravi Sharma, PK Sharma, and Shobha Sharma Determination of Physico-chemical characteristics and water quality parameters in drinking water of various sites of Jodhpur region; J. of Chem. In Asia; 2 (2 & 3);212;2011.
24. Ruchi Mathur, **Anju Sharma**, Ravi Sharma, PK Sharma, and Shobha Sharma Determination and removal of Nitrate in Ground Water of western Rajasthan: with Special Reference to Barmer Region, Journal of Chemical, Biological and Physical Sciences, Feb.-2249
25. Jaya Rathore, **Anju Sharma**, Ravi Sharma, PK Sharma, and Shobha Sharma, Studies on reduction of colour, COD and TSS in textile dyeing and printing waste water by coagulation and adsorption method Journal of Chemical Society Vol. 89, March 2012, PP-1-6
26. Raaz Maheshwari, **Anju Sharma**, Shobha Sharma, Rajesh Kumar Yadav, and Bina Rani Reverse Osmosis: An Emerging Technology for the Production of Safe Water J. Biol. Chem. Research. Vol. 29, No. 2 (2012)
27. Shobha Sharma, Rajesh Kumar Yadav, Raaz Maheshwari, Megan prasad, Bina Rani, **Anju Sharma**, Jitendra Kumar Sharma and Vikram Chauhan, Sequestration of carbon dioxide to mitigate the challenge of climate change, The Ecotech, 4(2), 99-107, Sep. 2012.

28. Raaz Maheshwari<sup>1</sup>, Bina Rani, **Anju Sharma**, Rajesh Kumar Yadav, Shobha Sharma. Nitrate ion Contaminated Groundwater: Its Health Hazards, Preventive & Denitrification Measures. Bull. Env. Pharmacol. Life Scien Volume 1 [12] November **2012**: 26-33 5.
29. Raaz Maheshwari<sup>1</sup>, **Anju Sharma** and Deepmala Verma. Phyto-therapeutic Significance of Karaunda. Bull. Env. Pharmacol. Life Scien. Volume 1 [12] November **2012**: 34-36
30. Ruchi Mathur, Ravi Sharma, Arun Suthar, **Anju Sharma**, Shobha Sharma and Pradeep K. Sharma., "Determination and removal of Nitrate in Ground Water of western Rajasthan: with Special Reference to Barmer Region", Journal of Chemical, Biological and Physical Sciences, Feb.-Apr.**2012**, Vol.2. No.2, 1054-1060
31. Raaz Maheshwari, Bina Rani, Sangeeta Parihar, **Anju Sharma**, Eco-friendly Bioplastic for Uncontaminated Environment. Research Journal of Chemical and Environmental Sciences. Volume 1 Issue 1 (April **2013**): 44-49
32. Bina Rani<sup>1</sup>, Raaz Maheshwari, Rajesh Kumar Yadav, Durgesh Pareek, **Anju Sharma**, Resolution to Provide Safe Drinking Water for Sustainability of Future Perspectives. Environment. Research Journal of Chemical and Environmental Sciences. Volume 1 Issue 1 (April **2013**): 50-54
33. Deepmala Verma, Rajesh K. Yadav, Harshukh Chharang, **Anju Sharma**, Raaz K Maheshwari, Delightful Broccoli: Nutritional information & Health benefits., Res J. Chem. Environ. Sci Vol 5[5] October **2017**: 91-93
34. Deepmala Verma, Rajesh K. Yadav, Meenakshi Yadav, Bina Rani, Sukhraj Punar, **Anju Sharma**, Raaz K Maheshwari, Miraculous Health Benefits of Exotic Dragon Fruit., Res J. Chem. Environ. Sci. Vol 5[5] October **2017**: 94-96



35. Bina Rani, Meenakshi Yadav, Rajash Yadav, Itishri Bhati, Murtaza Abid Harsukh Chharang, **Anju Sharma**, and Raaz K. Maheshwari. Eclectic Bael (Aegle marmelos) and its Multifaceted Therapeutic Benefits. J. Biol. Chem Research. Vol. 34, No. 2: 855-860, **2017**
36. Prerna Mundel, Nikita Choudhary, Shobha Sharma, Arun Kumar Suthar, **Anju Sharma**, "Expulsion of Cadmium (1) Ion from Industrial Effluents by Adsorption Using Sweet Lime (Citrus Limetta) Tree Leaf Powder", Asian Journal of Research in Chemistry and Pharmaceutical Sciences. Volume 7, Issue 2, **2019**,341-346
37. Bina Rani, Upma Singh, Lakha Ram, Ravi Sharma, Harsukh Chharang, **Anju Sharma**, Sukhraj Punar, Raaz K Maheshwari, PHOTOCATALYSIS MEDIATED DECONTAMINATION OF PAPER MILL EFFLUENT, International Journal on Environmental Sciences, January-June **2019**,10 (1): 42-51
38. Harsukh Chharang, **Anju Sharma**, Ravi Sharma, Lakha Ram, Raaz K Maheshwari, BIOADSORBENTS MEDIATED DEFLUORIDATION OF GROUNDWATER IN NAGAUR CITY OF RAJASTHAN, International Journal on Biological Sciences, January-June **2019**,10 (1): 24-32,
39. Bina Rani, Upma Singh, Lakha Ram, Ravi Sharma, Harsukh Chharang, **Anju Sharma** and Raaz K Maheshwari, International Journal of Biological Innovations, DOI: <https://doi.org/10.46505/LJBI.2019.1204>
40. Upma Singi, Bina Rani, Ravi Sharma, Lakha Ram, **Anju Sharma**, Sukhraj Punar, and Raaz K Maheshwari, THERAPEUTIC APPLICATIONS OF AMAZING SNAKE FRUIT (SALAK), International Journal on Biological Sciences, January-June **2019**, 10 (1): 11-16,
41. Raaz K Maheshwari, Sukhraj Punar, **Anju Sharma**, Mahendra Singh Rathore, Sulochana Sharma, Ashok K. Kakodia, and MM Abid Ali Khan, VERSATILE USAGE & THERAPEUTIC

APPLICABILITY OF MIRACULOUS DRUMSTICK TREE MORINGA OLEIFERA-LAM. International  
Journal on Biological Sciences, January-June **2020**,11 (1): 15-22,

I do certify that the above information furnished by me is correct up to the best of  
knowledge.

Dr. (Ms) Anju Sharma  
(Associate professor)