

## CURRICULUM VITAE

**Name** : **Dr. DHARMVEER SINGH**  
**Designation** : **Academic Consultant**  
School of Science  
UPRTOU Campus, Phaphamau,  
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Date of joining : 01 Sep. 2018  
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### **CAREER OBJECTIVES:**

To work as a faculty member in Environmental Science in reputed organization with whole hearted and sincere efforts that would be good platform to perform my academic, administrative and research skill for organization growth and as well as my career development.

### **EDUCATIONAL INFORMATION:**

- **D. Phil. (2016):** Environmental Chemistry, Department of Chemistry, University of Allahabad (Central University), Allahabad. U.P. India.
- **NET (June 2010):** University Grant Commission, New Delhi. India.
- **M.Sc. (2010):** Environmental Science, School for Environmental Science, Baba Shaheb Bhimrao Amedkar University (Central University) Lucknow, U.P. India.
- **B. Sc. (2007):** Botany and Chemistry, U.M.V., Pilibhit, M.J.P. Rohilkhand University, Bareilly, U.P. India.
- **Intermediate:** Bio group, G. Government Inter college, Pilibhit, U.P. Board, U.P. India
- **Matriculation:** Public Inter College, Puranpur, Pilibhit, U.P. Board, U.P. India

#### **D.Phil. thesis title, Guide's name, and Institute/University:**

“Studies on Metal Chelates of Biological and Environmental Significance”  
Prof. Vijay Krishna, Department of Chemistry, University of Allahabad, Allahabad, INDIA.

### **TEACHING INTEREST**

- Environmental Chemistry
- Industrial Pollution Control and Environmental Audit

- Environmental Biology and Natural Resources
- Environmental management and impact Assessment

## RESEARCH INTEREST

- Synthesis of nanomaterials or nanocomposite materials by using green approach for biological and environmental application.
- To develop material for biosensor to detection of toxic metals.
- Adsorption studies: Studies on adsorption behavior of prepared materials in terms of organic and inorganic pollutants

## PUBLICATIONS:

### Research Papers

1. **Dharmveer Singh**, Sudhir Kumar Singh, Necip Atar, Vijay Krishna: Amino acid functionalized magnetic nanoparticles for removal of Ni(II) from aqueous solution, *Journal of the Taiwan Chemical Engineers*, 67,148-169: 2016. ISSN : 09575820, IF 4.217, UGC SN.1773
2. **Dharmveer Singh**, Shalini Verma, R.K. Gautam, Vijay Krishna, Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe<sub>3</sub>O<sub>4</sub> nanoparticles: kinetic, equilibrium and thermodynamic studies: *Journal of Environmental Chemical Engineering*, 3, 2161–2171 : 2015. ISSN :2213-3437,IF,1.355, UGC SN.870
3. **Dharmveer Singh**, Vijay Krishna, and Harish Chandra, Valine-Coated Magnetic Nanoparticles Synthesis, Characterization, and Application in Removal of Cd(II) Ions from Aqueous Solution: *Separation Science and Technology*, 50,1-9:2015. ISSN : 0149-6395, IF,1.606, UGC SN.1721
4. **Dharmveer Singh**, R K Gautam, R Kumar, B K Shukla, V Shankar and V Krishna, Citric acid coated magnetic nanoparticles: Synthesis, characterization and application in removal of Cd(II) ions from aqueous solution: *Journal of Water Process Engineering* 4, 233-241:2014. ISSN : 2214-7144, IF 1.713, UGC SN.184
5. Harendra Singh, **Dharmveer Singh**, Sudhir Kumar Singh, D. N. Shukla, Water Quality and Ecological Diversity Appraisal Through Multivariate Statistical Techniques, and Earth Observation Dataset of River Ghaghra and Gandak, *International Journal of River Basin Management.* , 2017 ;DOI: 10.1080/15715124.2017.1300159, ISSN : 2198-7491, IF 0.523, UGC SN.2934
6. Sudhir Kumar Singh, Prashant K. Srivastava, **Dharmveer Singh**, Dawei Han, Sandeep Kumar Gautam , A. C. Pandey, Modeling groundwater quality over a humid subtropical region using numerical indices, earth observation datasets, and X-ray diffraction technique: a case study of Allahabad district, India: *Environ Geochem Health*, 37(1),157-180:2015, ISSN : 0269-4042, IF 2.616 , UGC SN. 939
7. **Dharmveer Singh**, Shalini Verma, Vijay Shankar and V Krishna: Stability constants determination of homo and hetero bimetallic complexes of tmdta in aqueous solution, *J. Indian Chem. Soc.*, 93, 1-9:2016. ISSN : 00194522, IF 0.10, UGC SN.1498
8. **Dharmveer Singh**, H Chandra, V Shankar and V Krishna, Mixed ligand ternary complexes of some transition metals with aspartic acid as primary ligand and cytosine as secondary ligand: Equilibrium study, chemical speciation and stability constant: *International Journal of Research in Chemistry and Environment* 4(1), 48-53:2014. ISSN:2248-96497, IF 0.654, UGC SN.4156
9. Vijay Shankar, **Dharmveer Singh**, Shalini Verma and Vijay Krishna, Mixed metal mixed ligand complexation equilibria of transition metal ions involving nitrilotriacetic acid (NTA) and L-2-

amino-3-methyl butanoic acid (Valine) : *National Academy Science Letters*, 39(3), 185-189:2016  
ISSN 0369-8211, IF 0.369, UGC SN.1286

10. R.K. Gautam, S. Banerjee, P.K. Gautam, A. Jaiswal, R. Mani, **Dharmveer Singh**, M.C. Chattopadhyaya, Surfactants free synthesis of superparamagnetic magnetite (Fe<sub>3</sub>O<sub>4</sub>) nanoparticles: Spectroscopic, magnetic and AFM studies. *J. Indian Chem. Soc.*, 93, 1-6: 2016. ISSN : 00194522, IF 0.10, UGC SN.1498.
11. Ram Bharose, T. Thomas, Sudhir Kumar Singh, Jagdish Prasad Bairwa and **Dharmveer Singh**, Effect of Sulphur and Farm Yard Manure on physical and chemical properties of Sunflower grown soil and nutrient uptake by crop: *Bulletin of Environmental and Scientific Research*, , 3(1), 1-7: 2014. ISSN 2278-5205, UGC SN.1777
12. Kewat Sanjay Kumar, Benjongwapang Aier, V. P Khanduri, Pavan Kumar Gautam **Dharmveer Singh** and Sudhir Kumar Singh, Assessment of soil nutrients (N, P, K) status along with tree diversity in different land use systems at Mokokchung, Nagaland, India, *Science and Technology Journal*, 1(2), 42-48:2013. ISSN : 2321- 3388, UGC SN.2345
13. Priyanka Choudhary, **Dharmveer Singh**, Jitendra Kumar and Sudhir Kumar Singh, Assessment of ambient air quality in Northern India using Air Quality Index method: *Bulletin of Environmental and Scientific Research*, 2,(2-3), 12-17:2013. ISSN 2278-5205, UGC SN.1777
14. Shalini Verma, **Dharmveer Singh** and V. Krishna, Potentiometric Studies of bivalent metal ions with Adenine and Nitritotriacetic Acid, *International Journal of Research in Chemistry and Environment*, 6(3), 1-6 : 2016, ISSN 2248-9649, UGC SN.4156

### **Book**

- “Analytical Biochemistry” for Post Graduate students of Uttar Pradesh Rajashri Tandon Open University.

### **Book Chapter:**

- Dharmveer Singh, Monika Singh, Shalini Verma, and Vijay Krishna “Bioinspired materials: Synthesis and Applications, D.K. Gupta et al., Dimentation of nanotechnology and Biostatics, by Lambert Publication, 2019, ISBN; 9786200079992
- Sudhir Kumar Singh, Avinash Chandra Pandey and Dharmveer Singh, Land use fragmentation analysis using remote sensing and Fragstats, P. K. Srivastava et al. (eds.), Remote Sensing Applications in Environmental Research, Society of Earth Scientists Series, DOI: 10.1007/978-3-319-05906-8\_9 : Springer International Publishing Switzerland 2014, ISSN : 2194-9204
- Sudhir Kumar Singh, Ram Bharose, Jasna Nemčić-Jurec, Kishan S. Rawat, Dharmveer Singh. Irrigation water quality appraisal using statistical methods and WATEQ4F geochemical model, Agricultural Water Management Theories and Practices, Academic Press, Elsevier, 2012, ISBN: 978-0-12-812362-1
- Cell Biology and Biomolecules, for Post Graduate students of Uttar Pradesh Rajashri Tandon Open University.
- Introduction to biochemistry, for Post Graduate students of Uttar Pradesh Rajashri Tandon Open University.

### **Proceedings in conferences/paper presented:**

#### **International**

- ❖ **Dharmveer Singh**, Monika Singh, Shalini Verma, and Vijay Krishna: “*Silica supported hybrid materials for environmental applications* ” presented in conference on “International Conference on Biological Research and Bio-Statistics”, School of Sciences, Uttar Pradesh Rajarshi Tandon Open University (UPRTOU) in 29-30 April, 2019 Allahabad, India.
- ❖ **Dharmveer Singh**, Shalini Verma, Vijay Shankar and Vijay Krishna: “*Functionalized magnetic nanoparticles: Synthesis, characterization and its application in removal of Ni(II) ions from aqueous solution*” presented in conference on “Current Scenario and Prospects of Nanotechnology and Bio-Statistics”, School of Sciences, Uttar Pradesh Rajarshi Tandon Open University (UPRTOU) in 25-26 February, 2016 Allahabad, India.
- ❖ **Dharmveer Singh**, H Chandra and V Krishna “*Assessment of Ganga River Water Quality Using Multivariate Statistical Technique*” presented and published in proceeding of International conference on Technical Innovations through Modern Engineering science (TIMES-2013) sponsored by Ministry of Earth sciences, New Delhi, organized by Dept. of Applied Science, on 23<sup>th</sup> to 25<sup>th</sup> February 2013 at IET Alwar-301030.

#### National

- ❖ **Dharmveer Singh**, H Chandra and V Krishna “*potentiometric study of mixed ligand ternary and quaternary complexes of some transition metal chelates with glutamic acid and cytosine: Formation equilibria, stability constant*” presented and published in proceeding of the 50th annual conference of chemist of Indian Chemical Society, hosted by Department of Chemistry, Panjab University, Chandigarh (2013).
- ❖ **Dharmveer Singh**, H Chandra and V Krishna “*Mixed Ligand mixed metal complex formation Equilibria of manganese (II), cobalt (II), copper (II) and zinc (II) with aspartic acid and thiouracil*” was published in proceedings of the 49<sup>th</sup> annual convention of chemist December 12-15, 2012 and also was presented in same conference which held by Indian Chemical Society hosted by Department of Applied science NITTTR Bhopal-462002.

### SEMINARS/CONFERENCES/WORKSHOPS ORGANIZED

International Conference of Biological Research and Bio-Statistics (ICBRBS-2019)  
Capacity- Coordinator

### CITATION ANALYSIS OF PUBLISHED PAPERS (AS OF January 18, 2021):

Google Scholar Citation found through: [dharm.des@au.edu](mailto:dharm.des@au.edu)

- Total number of paper published = 14
- Cumulative impact factor of journals paper = < 24
- Total citation of papers = 324
- h-index = 7
- i-index = 7

### Memberships of Academic/Professional Bodies

- Member board of studies of Subject-Biochemistry, School of Science, UPRTOU, Prayagraj, INDIA
- Course coordinator of biochemistry, School of Science, UPRTOU, Prayagraj, INDIA
- Reviewer: Journal of Environmental Science and Technology, Springer

**LANGUAGE KNOWLEDGE AND QUALIFICATIONS:**

Proficient in Hindi and English reading, listening, speaking and writing

**NOTABLE SKILLS:**

Working knowledge of MS Office, SCOGS computer program, and Origin computer software's.

**INTERESTS AND HOBBIES:**

Gardening, Listening music and watching movies

I hereby declare that all the particulars furnished by me are correct to the best of my knowledge.

**Date: 25.10.2021**

**(DHARMVEER SINGH)**