




Faculty Profile on University Website

www.uprtou.ac.in

Title	Dr.	First Name	DHARMVEER	Last Name	SINGH	Photograph
Designation	Assistant Professor -Biochemistry (Contract)					
School	School of Sciences					
Address (Campus)	School of Sciences, UPRTOU, Prayagraj, UP. India-211013					
Address (Residence)	Yamuna Campus, UPRTOU, Prayagraj, UP. India-211013					
Mobile	09455824933					
Email	dharm.biochem@gmail.com					
Web-Page	http://www.uprtou.ac.in/vc_school_faculty_page.php?slm=1&contid=5&tab=a_sc_dep https://scholar.google.co.in/citations?user=Yxwhy6IAAAAJ&hl=en https://www.researchgate.net/profile/Dharmveer_Singh5					

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
Bachelor of Science	M.J.P. Rohilkhand University, Bareilly	2007	Chemistry, Botany, Zoology
Master of Science	Baba Shaheb Bhim Rao Ambedkar University, Lucknow	2010	Environmental Science
NET	University Grand Commission, New Delhi	2010	Environmental Science
D.Phil. (Ph.D)	University of Allahabad, Prayagraj	2016	Subject: Chemistry Thesis topic: <i>Studies on Metal Chelates of Biological and Environmental Significance</i>

Career Profile

Organization / Institution	Designation	Duration	Role
School of Science, UPRTOU	Assistant Professor-Biochemistry	01 Sep. 2018 to till date	Teaching, Counseling, Preparation of student learning material (SLM) and other academic related activities

Research Interests / Specialization

- Synthesis of nanomaterials or nanocomposites materials by using green approach for biological and environmental application.
- To develop martial for biosensor to detection of toxic metals from biological fluids.

Contribution to design and development of Self Learning Material (SLM) for B.Sc. and M. Sc. Environmental Science programme

Programme Name	Course Code	Course title	Curriculum designing (Programme and course coordination)	Number of Units written	Editing of blocks (content format and language)	Vetting of blocks
B.Sc. Environmental Science	UGEVS-101	Fundaments of Environmental Sciences	Member BOS and Course Coordinator	09	All blocks and units	All blocks and units
B.Sc. Environmental Science	SBSEVS-01	Energy Resources and Green Technology	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units

B.Sc. Environmental Science	UGEVS-102	Ecology and Biodiversity Conservation	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units
B.Sc. Environmental Science	SBSEVS-02	Environmental Impact Assessment and Legislation	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units
M.Sc. Environmental Science	PGEVS-102	Environmental Chemistry	Member BOS and Course Coordinator	12	All blocks and units	All blocks and units
M.Sc. Environmental Science	PGEVS-107	Energy Resources and Climate Change	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units
M.Sc. Environmental Science	PGEVS-108	Solid and Hazardous Waste Management	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units

Contribution to design and development of Self Learning Material (SLM) for B.Sc. Biochemistry, Botany and M.Sc. Biochemistry Programme

Programme Name	Course Code	Course title	Curriculum designing (Programme and course coordination)	Number of Units written	Editing of blocks (content format and language)	Vetting of blocks
M. Sc. Biochemistry	PGBCH-101	Cell Biology and Biomolecules	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units
M. Sc. Biochemistry	PGBCH-102	Analytical Biochemistry	Member BOS and Course Coordinator	06	All blocks and units	All blocks and units
M. Sc. Biochemistry	PGBCH-117	Microbiology and Toxicology	Member BOS and Course Coordinator	01	All blocks and units	All blocks and units
B. Sc. Biochemistry	UGBCH-101	Introduction to Biochemistry	Member BOS	03	All blocks and units	All blocks and units
B. Sc. Biochemistry	UGBCH-103	Intermediately Metabolism	Member BOS	03	All blocks and units	All blocks and units
B. Sc. Biochemistry	DCEBCH-105	Microbiology	Member BOS	01	All blocks and units	All blocks and units
B. Sc. Biochemistry	SBSBCH-01	Bio-Analytical Techniques	Member BOS	02	All blocks and units	All blocks and units
B. Sc. Biochemistry	DCEBCH -106	Spectroscopy	Member BOS	02	All blocks and units	All blocks and units
B. Sc. Biochemistry	DCEBCH-108	Plant Biochemistry	Member BOS	09	All blocks and units	All blocks and units
B. Sc. Botany	UGBY-101	Cytology and Genetics	--	02	All blocks and units	All blocks and units

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	02	Research Papers Published in International Journals	07	Papers Presented in Seminars/ Conferences	06	Seminars/ Conferences Organized	01	Research Projects (Completed)	NA
---	-----------	--	-----------	--	-----------	--	-----------	--------------------------------------	-----------

Books (Co-authored)		Research Papers Published in Other Journals	07	Seminar/ Conferences Attended	02	Workshops Organized	02	Research Projects (Ongoing)	NA
Books (Edited)		Articles Published in Popular For a, e.g., Websites, Blogs, Newspapers, Magazines etc.	NA	Sessions Chaired in Seminars/ Conferences	NA	Membership of Academic/ Professional Bodies	02	Foreign Countries Visited for Academic Assignments	NA
Chapters in Edited Books	02			Resource Lectures Delivered	NA				
Publication on Distance Education	-		NA		NA		NA		NA

Details of Publications /Academic Activities

(a) Books:

1. Environmental Chemistry, UPRTOU, Chandrakala Universal Pvt. 42/7 Jawahar Lal Neharu Road, Prayagraj-211002.
2. Fundamentals of Environmental Sciences, UPRTOU, Chandrakala Universal Pvt. 42/7 Jawahar Lal Neharu Road, Prayagraj-211002.
3. Plant Biochemistry, UPRTOU, Chandrakala Universal Pvt. 42/7 Jawahar Lal Neharu Road, Prayagraj-211002.
4. Analytical Biochemistry, UPRTOU, Chandrakala Universal Pvt. 42/7 Jawahar Lal Neharu Road, Prayagraj-211002.

(b) Research papers

Year of Publication	Title of paper/Book	Publisher	ISBN	Co-Author (s) (if any)
2021	Irrigation water quality appraisal using statistical methods and WATEQ4F geochemical model, Agricultural Water Management Theories and Practices	Academic Press, Elsevier	978-0-12-812362-1	Sudhir Kumar Singh, Ram Bharose, Jasna Nemčić-Jurec, Kishan S. Rawat,
2019	Bioinspired materials: Synthesis and Applications, D.K. Gupta et al., Dimentation of nanotechnology and Biostatics	Lambert Publication	9786200079992	Monika Singh, Shalini Verma, and Vijay Krishna
2014	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	Springer International Publishing Switzerland	2194-9204	Sudhir Kumar Singh, Avinash Chandra Pandey

(c) Papers Published in Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)
2022	Synthesis, characterization of ruthenium (III) macrocyclic complexes of 1,4,8,11-tetraazacyclotetradecane(cyclam) and in vitro assessment of anti-cancer activity	Materials Today: Proceedings	2214-7853	Rahul Kanaoujiya, Dharmveer Singh, Tarun Minocha, Sanjeev Kumar Yadav, Shekhar Srivastava a
2017	Water Quality and Ecological	International	2198-7491	Harendra Singh, Sudhir

	Diversity Appraisal Through Multivariate Statistical Techniques, and Earth Observation Dataset of River Ghaghra and Gandak,	Journal of River Basin Management		Kumar Singh, D. N. Shukla
2016	Amino acid functionalized magnetic nanoparticles for removal of Ni(II) from aqueous solution	Journal of the Taiwan Chemical Engineers	09575820	Sudhir Kumar Singh, Necip Atar
2016	Stability constants determination of homo and hetero bimetallic complexes of tmdta in aqueous solution	J. Indian Chem. Soc.,	00194522	Shalini Verma, Vijay Shankar and V Krishna
2016	Mixed metal mixed ligand complexation equilibrium of transition metal ions involving nitrilotriacetic acid (NTA) and L-2-amino-3-methyl butanoic acid (Valine)	National Academy Science Letters	0369-8211	Vijay Shankar, Shalini Verma and Vijay Krishna
2016	Surfactants free synthesis of superparamagnetic magnetite (Fe ₃ O ₄) nanoparticles: Spectroscopic, magnetic and AFM studies.	J. Indian Chem. Soc	00194522	R.K. Gautam, S. Banerjee, P.K. Gautam, A. Jaiswal, R. Mani, M.C. Chattopadhyaya,
2016	Potentiometric Studies of bivalent metal ions with Adenine and Nitrilotriacetic Acid	International Journal of Research in Chemistry and Environment	2248-9649	Shalini Verma, and V. Krishna,
2015	Copper adsorption onto synthesized nitrilotriacetic acid functionalized Fe ₃ O ₄ nanoparticles: kinetic, equilibrium and thermodynamic studies:	Journal of Environmental Chemical Engineering,	2213-3437	Shalini Verma, R.K. Gautam, Vijay Krishna
2015	Valine-Coated Magnetic Nanoparticles Synthesis, Characterization, and Application in Removal of Cd(II) Ions from Aqueous Solution:	Separation Science and Technology	0149-6395	Vijay Krishna, and Harish Chandra
2015	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	0269-4042	Sudhir Kumar Singh, Prashant K. Srivastava, Dawei Han, Sandeep Kumar Gautam , A. C. Pandey
2015	Potentiometric study on mixed ligand complexes of some biometals with aspartic acid as primary ligand and thioracil as secondary ligand:	International Journal of Inorganic and Bioinorganic Chemistry	2249-8540	H Chandra and V Krishna
2014	Citric acid coated magnetic nanoparticles: Synthesis, characterization and application in removal of Cd(II) ions from aqueous solution:	Journal of Water Process Engineering	2214-7144	R K Gautam, R Kumar, B K Shukla, V Shankar and V Krishna
2014	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	2248-96497	H Chandra, V Shankar and V Krishna

2014	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	2278-5205	Ram Bharose, T. Thomas, Sudhir Kumar Singh, Jagdish Prasad Bairwa and
2013	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	2321- 3388	Kewat Sanjay Kumar, Benjongwapang Aier, V. P Khanduri, Pavan Kumar Gautam and Sudhir Kumar Singh

d) Seminar/Conference Presentations

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 23th to 25th 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 49th 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.

(e) Resource Lectures Delivered

01

(f) Seminars/Conferences/Workshops Organized

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

Capacity- Coordinator

(g) Memberships of Academic/Professional Bodies

- Member Board of Studies (BOS): Subject-Biochemistry, School of Science, UPRTOU
- Member Board of Studies (BOS): Subject-Environmental Science, School of Science, UPRTOU
- Reviewer: Journal of Environmental Science and Technology, Springer.

(h) Administrative Positions/Assignments Held

- Member board of studies of Subject-Biochemistry, School of Science, UPRTOU
- Member Board of Studies (BOS): Subject-Environmental Science, School of Science, UPRTOU
- Course coordinator of Environmental Science, School of Science, UPRTOU
- Course coordinator of Biochemistry, School of Science, UPRTOU

(i) Language knowledge and qualifications:

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

(j) Interests and hobbies:

Gardening, Listening music and watching movies

(k) Citation analysis of published papers (As of Dec.05,2023)

Google Scholar Citation found through: dharm.des@au.edu

- Total number of paper published = 14
- Cumulative impact factor of journals paper = < 31
- Total citation of papers = 1357
- h-index = 15
- i-index = 31

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

Date: 01.12.2023

DHARMVEER SINGH