STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	Prof.	First Name	Anshu	Last Name	Gupta	
Designation		Professor				
School/ Dept. Name		University School of Environment Management				
Address:		AFR-005, Block A, USEM, GGS Indraprastha University, Sec-16 C, Dwarka, New Delhi - 110078				
Phone No.		Office	011-25302367			
		Residence	(Optional)			
		Mobile	(Optional)			
Email		1. anshugupta@ipu.ac.in		anshurcy@yahoo.com		
Web Page (If any)		Google Scholar Anshu Gupta - Google Scholar Web of Science Anshu Gupta - Web of Science Researcher Profile Scopus Gupta, Anshu - Author details - Scopus Preview				
Subject Taught		**Pre-Ph.D Courses:** Environmental Biotechnology and Bioremediation, Protein and Enzyme Technology **M.Sc (Environment Management):** Environmental Chemistry, Solid & Hazardous Waste Management, Water Supply and Treatment, Wastewater Treatment, Industrial Pollution Prevention and Control, Basic and Applied Environmental Microbiology, Environmental Chemistry and Energy (P), Environmental Microbial Technology (P), **M.Sc (Natural Resource Management):** Water Quality Analysis (P) **M.Sc (Biodiversity and Conservation):** Microbial Diversity **B. Tech**: Environmental Studies **B. Sc (Environmental Science)**: Environmental Physics and Chemistry, Air and Water Pollution Lab				
Areas of Interest/ Specialization		Environmental Biotechnology, Bioremediation, Enzyme Technology, Wastewater Treatment, Nanoparticles Synthesis and Environmental Applications				
Experience (In Years)		Total	24			
		Industry	-			

	Teaching	17
	Research	24
Educational Qualifications	UG	B.Sc (1998)
	PG	M.Sc Chemistry (2000) – IIT Roorkee (Formerly University of Roorkee) – University Medal Holder
	Doctorate	Ph.D (2006) – Chemistry Department, IIT Delhi
	Any Other	Post-Doc (2006-2007) – IIT Delhi
Research Publications in Journals (last 5 years)	1. Wadhawan, G., Kalra, A., & **Gupta, A.** (2024) Potential of halophiles and alkaliphiles in bioremediation of azo dyes-laden textile wastewater: a review. *3 Biotech*, *14(9)*, 194. **(Impact Factor – 2.60)** 2. Vaid, M., Sarma, K., & **Gupta, A.** (2024) Exploiting the potential of terrestrial and freshwater organisms for biomonitoring of microplastics: Challenges and prospects. *Trends in Analytical Chemistry. 178,* 117854 **(Impact Factor – 11.80)** 3. Vaid, M., Sarma, K., & **Gupta, A.** (2024) Urban drainage channels as a pathway for microplastics in riverine systems: A case study of Delhi, India. *Water Science and Technology, 90,* 564. **(Impact Factor – 2.70)** 4. Varshney, S., & **Gupta, A.** (2024). Forest industrial biomass residue-mediated green synthesized multifunctional copper oxide nanoparticles for efficient wastewater treatment and biomedical applications. *Journal of Cleaner Production, 434*, Article e140109. **(Impact Factor – 11.10)** 5. Kalra, A., & **Gupta, A.** (2023). Sal (*Shorea robusta*) seed deoiled cake-based synthesis of magnetic iron oxide nanoparticles for the decolorization of acid fuchsin dye: A sustainable cleaner environmental approach. *Biomass Conversion and Biorefinery*, 1-13. **(Impact Factor – 4.00)** 6. Kalra, A., & **Gupta, A.** (2023). Microbiological treatment of distillery wastewater focusing on colorant decolorization and resource recovery: A review. *Reviews in Environmental Science and Bio/Technology*, *22*, 175-204. **(Impact Factor – 14.40)** 7. Varshney, S., Bhattacharya, A., & **Gupta, A.** (2023). Halo-alkaliphilic microbes as an effective tool for heavy metal pollution abatement and resource recovery: Challenges and future prospects. *3 Biotech, 13*, 400. **(Impact Factor – 2.80)** 8. Vaid, M., Sarma, K., Kala, P., & **Gupta, A.** (2022). Investigations on the co-occurrence of microplastics and other pollutants in the River Yamuna, Delhi. *Water Supply 22,* 8767. **(Impact Factor – 1.70)** 9. Vaid, M., Sarma, K., Kala, P., & **Gupta, A.** (2022). The plight of Najafgarh drain in NCT of Delhi, India: Assessment of the sources, statistical water quality evaluation, and fate of water pollutants. *Environmental Science and Pollution Research*, *29*, 90580–90600. **(Impact Factor – 5.80)** 10. Prabhakar, Y., **Gupta, A.**, & Kaushik, A. (2022). Using indigenous bacterial isolate *Nesterenkonia lacusekhoensis* for removal of azo dyes: A low-cost ecofriendly approach for bioremediation of textile	

wastewaters. *Environment, Development and Sustainability*, *24*, 5344–5367. **(Impact Factor – 4.90)**

11. Vaid, M., Sarma, K., & **Gupta, A.** (2021). Microplastic pollution in aquatic environments with special emphasis on riverine systems: Current understanding and way forward. *Journal of Environmental Management*, *293*, 112860. **(Impact Factor – 8.70)**
12. Vaid, M., Mehra, K., & **Gupta, A.** (2021). Microplastics as contaminants in Indian environment: A review. *Environmental Science and Pollution Research*, *28*, 68025–68052. **(Impact Factor – 5.80)**
13. Singh, A., Kaur, A. & **Gupta, A.** (2021) Tannase production through solid-state fermentation of *Shorea robusta* deoiled seed cake: an industrial biomass using *Aspergillus flavus* TF-8 for potential application in gallic acid synthesis. *Biomass Conversion and Biorefinery*, *13*, 6663-6673. **(Impact Factor – 4.00)**
14. Srivastava, N., Kumar, S., Shiburaj, S., **Gupta, A.**, & Khare, S. K. (2021). Cellular adaptation responses in a halotolerant *Exiguobacterium* exhibiting organic solvent tolerance with simultaneous protease production. *Environmental Technology & Innovation*, *23*, 101803. **(Impact Factor – 7.10)**
15. Prabhakar, Y., **Gupta, A.**, & Kaushik, A. (2021). Microbial degradation of Reactive Red-35 dye: Upgraded progression through Box–Behnken design modeling and cyclic acclimatization. *Journal of Water Process Engineering*, *40*, 101782. **(Impact Factor – 7.00)**
16. Anuja, & **Gupta, A.** (2021) Recent advances in decolourization of dyes using iron nanoparticles: a mini review. *Materials Today: Proceedings*, *36*, 689-696.
17. Prabhakar, Y., **Gupta, A.**, & Kaushik, A. (2019). Enhanced decolorization of reactive violet dye 1 by halo-alkaliphilic *Nesterenkonia* strain: Process optimization, short acclimatization and reusability analysis in batch cycles. *Process Safety and Environmental Protection*, *131*, 116-126. **(Impact Factor – 7.80)**
18. Singhal, A., & **Gupta, A.** (2019) Sustainable synthesis of silver nanoparticles using exposed X-ray sheets and forest-industrial waste biomass: Assessment of kinetic and catalytic properties for degradation of toxic dyes mixture. *Journal of Environmental Management, 247*, 698-711. **(Impact Factor – 8.70)**
19. Bhattacharya, A., **Gupta**, **A.**, Kaur, A., & Malik, D. (2019). Alleviation of hexavalent chromium by using microorganisms: Insight into the strategies and complications. *Water Science and Technology, 79*, 411-424. **(Impact Factor – 2.70)**
20. Singhal, A., & **Gupta, A.** (2018) Efficient utilization of Sal deoiled seed cake (DOC) as reducing agent in synthesis of silver nanoparticles: Application in treatment of dye containing wastewater and harnessing reusability potential for cost-effectiveness. *Journal of Molecular Liquids*, *268*, 691-699. **(Impact Factor – 6.00)**
21. Bhardwaj, R., **Gupta, A.**, & Garg, J. K. (2018) Impact of heavy metals on inhibitory concentration of *Escherichia coli* – A case study of river Yamuna system, Delhi, India. *Environmental Monitoring and Assessment*, *190*, 674. **(Impact Factor – 3.00)**

	22. Bhardwaj, R., **Gupta, A.**, & Garg, J. K. (2018) Analysis of the physico-chemical characteristics of river Yamuna, Delhi stretch with an assessment of site-specific water quality index. *Pollution Research, 37*, 446-459. 23. Amrik Bhattacharya, **Anshu Gupta**, Amarjeet Kaur and Darshan Malik (2018) Remediation of phenol using microorganisms: Sustainable way to tackle the chemical pollution menace. *Current Organic Chemistry 22*: 370-385. **(Impact Factor – 2.60)**
Papers Published in Conference Proceedings (last 5 Years)	
Books Authored/ Book Volume Chapters	1. Kalra, A., Wadhawan, G., Kumar, S., & **Gupta, A.** (2024) Application of halophiles and halotolerant microbes in industrial wastewater treatment. In: S. K. Khare, R. Karan, R. Sinha, R. Hemamalini (eds) *New Horizons in Halophilic Microbes and their Enzymes*. CRC Press, 2. Rao, A., Varshney, S., Bhadra, S., Kaushik, A., **Gupta, A.**, & Sevda, S. (2022) Use of biofilm bacteria to enhance overall microbial fuel cell performance. In: S. Das, N. Kungwani (eds) *Understanding Microbial Biofilms*. Academic Press, Elsevier, pp 699-712. 3. Bhattacharya, A. & **Gupta, A.** (2022). Current Trends in Applicability of Thermophiles and Thermozymes in Bioremediation of Environmental Pollutants. In: M. Kuddus (ed) *Microbial Extremozymes: Novel Sources and Industrial Applications*. Elsevier (In Press). 4. Prabhakar, Y., **Gupta, A.** & Kaushik, A. (2021). Eco-friendly Bioremediation Approach for Dye Removal from Wastewaters: Challenges and Prospects. In: A. Kaushik, C.P. Kaushik, S.D. Attri (ed) *Climate Resilience and Environmental Sustainability Approaches: Global Lessons and Local Challenges*. Singapore: Springer DOI: https://doi.org/10.1007/978-981-16-0902-2_15. 5. Singhal, A. & **Gupta, A.** (2017). Efficient Decolorization of Mixture of Five Dyes by using Biologically Synthesized Silver Nanoparticles from *Ficus retusa* Leaf Extract. In: A. Kaushik, J.K. Garg, P. Bhattacharya, N.C. Gupta, R. Singh, V. Joshi (ed) *Climate Change, Resource Conservation and Sustainability Strategies, USEM, GGSIPU*, Delhi: DBH publishers, India. 6. Prabhakar, Y., **Gupta, A.,** & Kaushik, A. (2017). Bio-Removal of Acid Red 3R Dye in Static Broth Studies using *Nesternkonia* sp. In: A. Kaushik, J.K. Garg, P. Bhattacharya, N.C. Gupta, R. Singh, V. Joshi (ed) *Climate Change, Resource Conservation and Sustainability Strategies, USEM, GGSIPU*, Delhi: DBH publishers, India. 7. Bhattacharya, A. & **Gupta, A.** (2012). Novel Approach for Value-Addition to Mahua (*Madhuca* sp.) Flowers: Usage as an Environment-Friendly Substrate for Enhanced Lipase Production. In: Prodyut Bhattacharya and J.K Garg (ed) *Environment: New Challenges/New Opportunities*, Delhi: Macmillan Scientific Communications, India.

<table>
<tr><td rowspan="3">No. of Conferences/ Workshops/Seminars</td><td rowspan="2">National</td><td colspan="2">Attended</td><td>Organised</td></tr>
<tr><td colspan="2">15</td><td>14 as member of organized committee</td></tr>
<tr><td>International</td><td colspan="2">26</td><td>2 as member of organized committee</td></tr>
<tr><td rowspan="3">Research Guidance</td><td rowspan="2">Awarded</td><td>PG</td><td>M.Phill</td><td>Doctorate</td></tr>
<tr><td>> 58</td><td>-</td><td>Awarded – 4; Submitted - 01</td></tr>
<tr><td>Undergoing</td><td>-</td><td>-</td><td>4</td></tr>
<tr><td>Research Projects</td><td>Completed</td><td colspan="3">09</td></tr>
<tr><td></td><td>Undergoing</td><td colspan="3">02</td></tr>
<tr><td>Awards & Distinctions</td><td colspan="4">Outstanding Researcher Award – 2024, GGSIPU
CSIR-Research Associateship.
CSIR-Senior Research Fellowship
CSIR-UGC NET
GATE with 95.07 percentile (All India Rank – 95)
University Medal (2000) for standing first in M.Sc at IIT Roorkee.
Dr. G. Garg medal (2000) for obtaining highest aggregate in theory papers in M.Sc. at IIT Roorkee.
Dr. G. Pande medal (1999) for obtaining highest aggregate in M.Sc (P) at IIT Roorkee.</td></tr>
<tr><td>Administrative Assignments Handled</td><td colspan="4">Ph.D Program Coordinator, USEM
Member, BOS and SRC USEM
Additional Centre Superintendent, Evaluation Centre
Member, Convocation and NAAC Coordination Committee
Member, Task Group, SATAT
Member, University Library Committee
Incharge, Summer Training (M.Sc EM and NRM) (2010-2023)
Incharge, Minor Exam Committee, USEM (2014-2017)
Faculty Coordinator, Music Club (2010-24)
Member, University’s Annual Stock Verification Board (2014-2016)
Member, Sub-Committee, Task Force for Women Safety and Gender Sensitization</td></tr>
</table>

Association with Professional Bodies	1. Life Member - Society of Biological Chemists (India); 2. Association of Microbiologists of India, 3. Biotech Research Society, India, 4. Indian Society of Analytical Chemists. 5. Environmental and Sustainable Development
Any Other Achievements	• Delivered invited lectures at various platforms • External/Subject Expert in various Government/ other Institutes or University Committees • Examiner for Evaluation of Ph.D and M.Tech Thesis