STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	Dr.	First Name	Anshu	Last Name	Gupta	
Designation		Assistant 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				
Web Page (If any)						
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 Control, Basic and Applied Environmental Microbiology, Environmental Chemistry and Energy (P),Environmental Microbial Technology (P), **M.Sc (Natural Resource Management):**Water Quality Analysis (P) **B. Tech**: Environmental Studies				
Areas of Interest/ Specialization		Environmental Biotechnology, Bioremediation, Enzyme Technology, Wastewater Treatment, Nanoparticles Synthesis and Environmental Applications				
Experience (In Years)		Total	16			
		Industry	-			
		Teaching	14			
		Research	16			
Educational Qualifications		UG	B.Sc (1998)			
		PG	M.Sc Chemistry (2000) – IIT Roorkee (Formerly University of Roorkee)			
		Doctorate	Ph.D (2006) – Chemistry Department, IIT Delhi			

	Any Other	Post-Doc (2006-2007) – IIT Delhi
Research Publications in Journals (last 5 years)	• Vaid, M., Mehra, K., **Gupta, A.** (2021). Microplastics as Contaminants in Indian Environment: A Review. *Environmental Science and Pollution Research.* doi: 10.1007/s11356-021-16827-6. **(Impact Factor – 4.22)** • 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 – 6.79)** • Singh, S., Kaur, A., **Gupta, A.** (2021). Tannase Production through Solid-State Fermentation of *Shorea robusta* Deoiled Seed Cake: an Industrial Bomass using *Aspergillus flavus* TF-8 for Potential Application in Gallic Acid synthesis. *Biomass Conversion and Biorefinery*. DOI: https://doi.org/10.1007/ s13399-021-01634-3. **(Impact Factor – 4.99)** • Srivastava, N., Kumar, S., Shiburaj, S., **Gupta, A.,** Khare, S. K. (2021). Cellular Adaptation Responses in a Halotolerant *Exiguobacterium E*xhibiting Organic Solvent Tolerance with Simultaneous Protease Production. *Environmental Technology & Innovation*.DOI: https://doi.org/10.1016/j.eti.2021.101803. **(Impact Factor – 5.26)** • Prabhakar, Y., **Gupta, A.,** Kaushik, A. (2021). 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*. DOI: http://link.springer.com/article/10.1007/s10668-021-01661-0. **(Impact Factor – 3.22)** • 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 – 5.48).** • Anuja & **Gupta, A.** (2021). Recent Advances in Decolourization of Dyes using Iron Nanoparticles: a Mini Review. *Materials Today: Proceedings*. 36, 689-696. • Prabhakar, Y., **Gupta**, **A.,** Kaushik, A. (2019).Enhanced Decolorization of Reactive Violet Dye 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 – 6.16)** • 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 – 6.79)** • 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 – 1.92)** • 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 – 6.17)** • 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 – 2.51)** • Bhattacharya, A., **Gupta, A.**, Kaur, A., Malik, D. (2018). Remediation of Phenol using Microorganisms: Sustainable Way to Tackle the Chemical Pollution Mmenace. *Current Organic Chemistry.*22, 370-385. **(Impact Factor – 2.18).** • 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. • Bhattacharya, A., Goyal, N., **Gupta, A.** (2017). Degradation of Azo Dye Methyl Red by Alkaliphilic, Halotolerant *Nesterenkonia lacusekhoensis* EMLA3: Application in Alkaline and Salt-Rich Dyeing Effluent Treatment. *Extremophiles.* 21, 479-490. **(Impact Factor – 2.40)** • Jain, S., Sharma, S. K., Choudhary, N., Masiwal, R., Saxena, M., Sharma, A., Mandal, T. K., **Gupta, A.**, Gupta, N. C., Sharma, C. (2017). Chemical Characteristics and Source Apportionment of PM2.5 using PCA/APCS, UNMIX, and PMF at an Urban Site of Delhi, India. *Environmental Science and Pollution Research.* 24, 14637-14656. **(Impact Factor – 4.22)** • Singhal, A., Singhal, N., Bhattacharya, A., **Gupta, A.** (2017). Synthesis of Silver Nanoparticles (AgNPs) using *Ficus retusa* Leaf Extract for Potential Application as Antibacterial and Dye Decolourising Agents. *Inorganic and Nano-metal Chemistry.*47, 1520-1529. **(Impact Factor – 1.72)** • Bhardwaj, R., **Gupta, A.,** Garg, J. K. (2017). Evaluation of Heavy Metal Contamination using Environmetrics and Indexing Approach for River Yamuna, Delhi Stretch, India. *Water Science.* 31, 52-66. • Sharma, S. K., Agarwal, P., Mandal, T. K., Karapurkar, S. G., Shenoy, D. M., Peshin, S. K., **Gupta, A.**, Saxena, M., Jain, S., Sharma, A. (2017). Study on Ambient Air Quality of Megacity Delhi, India During Odd–Even Strategy. *MAPAN.* 32, 155-165. **(Impact Factor – 1.01)**
Papers Published in Conference Proceedings (last 5 Years)	
Books Authored/ Book Volume Chapters	• 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). • 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:

<table>
<tr><td></td><td colspan="4">https://doi.org/10.1007/978-981-16-0902-2_15.
• 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.
• 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.
• 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.</td></tr>
<tr><td rowspan="3">No. of Conferences/ Workshops/Seminars</td><td>National</td><td colspan="2">Attended</td><td>Organised</td></tr>
<tr><td></td><td colspan="2">14</td><td>13</td></tr>
<tr><td>International</td><td colspan="2">26</td><td>2</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>54</td><td>-</td><td>4</td></tr>
<tr><td>Undergoing</td><td>3</td><td>-</td><td>4</td></tr>
<tr><td rowspan="2">Research Projects</td><td>Completed</td><td colspan="3">06</td></tr>
<tr><td>Undergoing</td><td colspan="3">01</td></tr>
<tr><td>Awards & Distinctions</td><td colspan="4">1. CSIR-Research Associateship.
2. CSIR-Senior Research Fellowship
3. CSIR-UGC NET
4. GATE with 95.07 percentile (All India Rank – 95)
5. University Medal (2000) for standing first in M.Sc. at IIT Roorkee.
6. Dr. G. Garg medal (2000) for obtaining highest aggregate in theory papers in M.Sc. at IIT Roorkee.
7. 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 (2007–2011, 2017-2019), and SRC USEM
• Additional Centre Superintendent, Evaluation Centre
• Member, Convocation and NAAC Coordination Committee</td></tr>
</table>

	• Member, Task Group, SATAT • Member, University Library Committee • Incharge, Summer Training (M.Sc EM and NRM) • Incharge, Minor Exam Committee, USEM (2014-2017) • Faculty Coordinator, Music Club • Member, University's Annual Stock Verification Board (2014-2016) • Member, Sub-Committee, Task Force for Women Safety and Gender Sensitization
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.
Any Other Achievements	• External/Subject Expert in various Government/ other Institutes or University Committees • Examiner for Evaluation of Ph.D and M.Tech Thesis