


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	<b>Dr</b>	First Name	<b>Neetu</b>	Last Name	<b>Rani</b>	
Designation		Assistant Professor				
School/ Dept. Name		University School of Environment Management				
Address:		Room no. 008, Block A, USEM, GGSIP University				
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Web Page (If any)		--				
Subject Taught		<p><b>B.Tech:</b></p> <p>Environmental Studies (Theory and Lab)</p> <p>Life Sciences (Theory and Lab)</p> <p><b>M.Sc:</b></p> <p>Environment Health and Safety</p> <p>Water pollution and wastewater treatment</p> <p>Environment Policies, Ethics and Legislation</p> <p>Climate Change Mitigation and Adaptation</p> <p>Natural Resource Policy, Governance and Livelihood</p> <p>Water Quality Analysis Lab</p> <p>Soil, rock and mineral lab</p> <p>Environmental Instrumentation Lab</p> <p>Air and water pollution lab</p> <p><b>Pre PhD:</b></p> <p>Environmental Biotechnology and Bioremediation</p>				

Areas of Interest/ Specialization	Constructed Wetlands, Microbial Fuel Cells, Adsorption, Phytoremediation	
Experience (In Years)	Total	20 years (8 years in GGSIP University)
	Industry	Nil
	Teaching	14 years (8 years in GGSIP University)
	Research	14 years
Educational Qualifications	UG	B.Sc from Maharishi Dayanand University, Rohtak, Haryana in 1997.
	PG	M.Sc, in Environmental Sciences from GJUS&T, Hissar in 2000.
	Doctorate	PhD from IIT Delhi on the topic entitled “Pulp and paper mill effluent treatment by constructed wetland technology” 2011.
	Any Other	B.Ed from Maharishi Dayanand University, Rohtak, Haryana in 1998 M.Tech., in Environmental Sciences and Engineering from GJUS&T, Hissar in 2001
Research Publications in Journals (last 5 years)	<ul style="list-style-type: none"> <li>Pohekar, K.N.&amp;<b>Rani, N.</b> (2021). Removal of nutrients from domestic wastewater in a hybrid subsurface flow constructed wetland. <i>Pollution Research</i>. EM International, 40(1), 111-116.</li> <li><b>Rani, N.&amp;</b>Pohekar, K.N. (2021). Assessment of hybrid subsurface flow constructed wetland planted with <i>Arundo donax</i> for the treatment of domestic wastewater at different Hydraulic Retention Time. <i>Journal of Water Chemistry and Technology</i>. Springer, 43(2), 178-183. DOI: 10.3103/S1063455X21020107.</li> <li>Pohekar, K.N.&amp;<b>Rani, N.</b> (2021). Surfactant removal and seasonal impact on the treatment of domestic wastewater in hybrid constructed wetland. <i>Vidyabharati International Interdisciplinary Research Journal</i> (Special Issue-May 2020), Special Issue of National Conference on Recent Advances in Chemical Sciences-NCRACS 2020 359-362.</li> <li>Tamta, P.,<b>Rani,N.</b>, Yadav, A.K. (2020). Enhanced wastewater treatment and electricity generation using stacked constructed</li> </ul>	

	<p>wetland–microbial fuel cells. <i>Environment Chemistry Letters</i>. Springer, 18, 871-879. <a href="https://doi.org/10.1007/s10311-020-00966-2">https://doi.org/10.1007/s10311-020-00966-2</a>.</p> <ul style="list-style-type: none"> <li>• <b>Rani, N.,</b> Singh, B., Pamposh, Avantika. (2019). Removal of Phosphate from aqueous solutions using eggshell powder as an adsorbent. <i>Journal of Environment and Biosciences</i>. 33(2), 221-226.</li> <li>• Bhati, U., Das, S.K., Gupta, N.C., Kumar, P., <b>Rani, N.,</b> Singh, K. (2018). Heavy Metals Assessment in Urban Air of National Capital Region of Delhi Using Spider Webs as Bioindicator. <i>Journal of Environmental Sciences and Technology</i>. 11(1), 49-55.</li> <li>• <b>Rani, N.,</b> Singh, B., Shimrah, T. (2017). Chromium (VI) removal from Aqueous Solutions using Eichornia as an Adsorbent. <i>Journal of Water Reuse and Desalination</i>. IWA Publication, 7(4), 461-467. <a href="https://doi.org/10.2166/wrd.2016.094">https://doi.org/10.2166/wrd.2016.094</a>.</li> </ul>		
Papers Published in Conference Proceedings (last 5 Years)	--		
Books Authored/ Book Volume Chapters	<p><b>Book Chapter:</b></p> <ul style="list-style-type: none"> <li>• Pati, R. R., Pohekar, K.N., <b>Rani, N.</b> (2021). Constructed Wetland: A sustainable approach for wastewater treatment. <i>Environment, Development and Sustainability in India: Perspectives, Issues and Alternatives</i>, Springer Publication, 227-242.</li> </ul> <p><b>Book:</b></p> <ul style="list-style-type: none"> <li>• R.C. Maheshwari, P.M. Bhurchandi, <b>Neetu</b> “Cultivation, post-harvesting and quality assurance of medicinal plants in Uttaranchal”, Deep Printers and Publications, New Delhi, 2004.</li> </ul>		
No. Of Conferences/Seminars/Workshops	National	Attended 08	Organised 03
	International	09	--
Research Guidance	Awarded	PG	M.Phill Doctorate

		22	-	-
	Undergoing	-	-	04
Research Projects	Completed	FRGS, GGSIPU (06)		
	Undergoing	Nil		
Awards & Distinctions	Awarded Women Scientist Fellowship from May 2004 to May 2007 by DST, GoI, Delhi.			
Administrative Assignments Handled	<ul style="list-style-type: none"> <li>• Warden, Satpura Girls Hostel, GGSIP University, New Delhi, India Since 26<sup>th</sup> October, 2016 to till date.</li> <li>• Programme Officer, NSS, GGSIP University since April 2022.</li> <li>• Member, Editors Team, U Focus, GGSIP University since 2021</li> <li>• Member, DBT-Builder Committee, USEM, GGSIPU Government of India.</li> <li>• Deputy Center Superintendent at Evaluation Center, GGSIPU during December 2019 to March 2020.</li> <li>• In-charge, Minor Examination Committee, USEM, GGSIP University New Delhi, India.</li> <li>• Co-in charge, Advanced Instrumentation Lab, USEM, GGSIP University, New Delhi, India.</li> <li>• Co-in charge, Water Lab, USEM, GGSIP University, New Delhi, India.</li> <li>• Member, DST-FIST Committee, USEM, GGSIPU under the DST funded scheme, Government of India.</li> <li>• Member, Academic Audit Committee, GGSIPU, January-February 2019.</li> </ul>			
Association with Professional Bodies	Member, Indian Academy of Environmental Science, Haridwar from October 2019 to October 2020.			

Any Other Achievements	<p><b>Interview Telecast on Science Monitor and Gyan Vigyan:</b></p> <ul style="list-style-type: none"><li>• An interview on “water hyacinth and its use for removal of Cr(VI) from aqueous solutions’ was telecast on Science Monitor and Gyan Vigyan, Rajya Sabha TV on 30<sup>th</sup> September, 2017.</li></ul> <p><b>Articles:</b></p> <ul style="list-style-type: none"><li>• Article published on India Science Wire Website, Hyacinth can help remove toxic chromium from polluted water, 4 September 2017</li><li>• Article published on India Water Portal, Removing chromium form polluted water using hyacinth, 7 September 2017</li><li>• Article published in dainik Jagran, 6 September 2017 entitled “Pani se Chromium hatayegijalkhumbi”.</li></ul>
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