


++STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	Dr.	First Name	N. C.	Last Name	Gupta	
Designation		Professor				
School/ Dept. Name		University School of Environment Management				
Address:		AFR-001, University School of Environment Management, Guru Gobind Singh Indraprastha University, Sec-16C, New Delhi-110078				
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Web Page (If any)	ww.ipu.ac.in					
Subject Taught	<ul style="list-style-type: none"> • Energy Resources and Technology • Energy Resources and Environment • Environmental Chemistry and Energy Lab • Environmental Impact Assessment & Risk analysis • Climate Change Mitigation and Adaptation • Environmental Impact Assessment & Auditing • Air Pollution, Meteorology and Control • Air and Water Pollution Lab • Environmental Economics and Ecosystem services 					
Areas of Interest/ Specialization	<ul style="list-style-type: none"> • Energy and Environment • Air and Water Pollution • Environmental Impact Assessment (EIA) • Environmental Health • Risk Analysis • Climate Change Mitigation and adaptation 					
Experience (In Years)	Total	32 Years				
	Industry	-				
	Teaching	24 Years				
	Research	32 Years				

Educational Qualifications	UG	B. Sc.
	PG	M. Sc. (Physics)
	Doctorate	Ph. D. (Energy and Environment Systems)
	Any Other	M. Phil. (Energy and Environment)
Research Publications in Journals (last 5 years)	<ul style="list-style-type: none"> • Garg, A., Gupta, N. C., Kumar, A. (2022). Spatio-Temporal Variability and Health Risk Assessment of Benzo[a]pyrene in Different Population Through Ambient Air Exposure in Delhi, India. <i>Exposure and Health</i>. 14, 111–127 • Kaushik, A., Kumar, A., Aswini, M. A., Panda, P. P., Shukla, G., Gupta, N. C. (2021). Seasonal Variation in Chemical Composition of Size-Segregated Aerosols Over the Northeastern Arabian Sea. <i>Front. Environ. Sci.</i>, https://doi.org/10.3389/fenvs.2020.619174 • Garg, A., Kumar, A., Gupta, N. C. (2021). Impact of Lockdown on Ambient Air Quality in COVID-19 Affected Hotspot Cities of India: Need to Readdress Air Pollution Mitigation Policies. <i>Environmental Claims Journal</i>. 33:1, 65-76. • Pathak, U., Gupta, N. C., and Suri, J. C. (2020). Risk of COPD due to indoor air pollution from Biomass cooking fuel: a systematic review and Meta-analysis. <i>International Journal of Environmental Health Research</i>. 30(1), 75-88. • Garg, A., & Gupta, N. C. (2020) The Great Smog Month and Spatial and Monthly Variation in Air Quality in Ambient Air in Delhi, India. <i>Journal of Health and Pollution</i>. Vol. 10 (27): 01-14 • Garg, A., & Gupta, N. C. (2020) Short-term variability on particulate and gaseous emissions induced by fireworks during Diwali celebrations for two successive years in outdoor air of an urban area in Delhi, India, <i>SN Applied Sciences, Springer Nature</i>, (2) 12, 1-14 • Kumari, P., Gupta, N.C., Kaur, A., Singh, K. (2019). Application of Principal Component Analysis and Correlation for Assessing Groundwater Contamination in and around Municipal Solid Waste Landfill of Ghazipur, Delhi. <i>Journal of the Geological Society of India</i>. 94(6), 595-604 • Pathak, U., Kumar, R., Suri, T. M. Suri, J.C., Gupta, N.C. and Pathak, S. (2019). Impact of biomass fuel exposure from traditional stoves on lung functions in adult women of a rural Indian village, <i>Lung India</i>, 36(5), 376-383. • Garg, A. & Gupta, N.C. (2019), A comprehensive study on spatio-temporal distribution, health risk assessment and ozone formation potential of BTEX emissions in ambient air of Delhi, India. <i>Science of the Total Environment</i>. 659, 1090-1099 • Garg, A., Gupta, N.C., Tyagi, S. K. (2019), Levels of benzene, toluene, ethylbenzene, and xylene near a traffic-congested area of East Delhi, <i>Environmental Claims Journal</i>. 31(1), 5-15. • Garg, A., Gupta, N.C., and Tyagi, S.K. (2019), Study of seasonal and spatial variability among Benzene, Toluene, and p-Xylene (BTP-X) in ambient air of Delhi, India. <i>Pollution</i>. 5(1), 135-146. • Singh, S., Bhattacharya, P., and Gupta, N. C. (2018). Dust particles characterization and innate resistance for <i>Thevetia peruviana</i> in different land-use pattern of urban area. <i>International Journal of Environmental Science and Technology</i>. 15(5), 1061-1072, 2018. • Kumari, P., Gupta, N.C., Kaur, A., Chadha, D.K. (2018), Assessment of 	

groundwater quality along with seasonal variation near Ghazipur landfill Site in Delhi, India. *International Research Journal of Environmental Science*. 7(4), 1-5.

- Kumari, P., Kaur, A., Gupta, N. C. (2018). Extent of Groundwater Contamination Due to Leachate Migration Adjacent to Unlined Landfill Site of Delhi. *Environmental Claims Journal*. 31(2), 160-175.
- Pathak, U., Gupta, N. C., Suri, J. C., Charu Tyagi (2018), Effects of Biomass Fuel Generated Indoor Air Pollution on Prevalence of Self-reported Asthma among Adult Women in North Indian Rural Villages. *Journal of Advanced Research in Medical Science & Technology*. 5(3), 10-13.
- Pathak, U., Gupta, N. C., Suri, J. C., Saxena, A. (2018). Impact of indoor air pollution on the respiratory Health of adult women of an urban village in north India. *Pollution Research*. 37(4), 1058-166.
- Garg, A. & Gupta, N. C. (2018). Episodic Levels of PM₁₀, PM_{2.5} and PM₁ during Diwali: A study in urban area of Delhi, India. *International Research Journal of Environmental Sciences*. 7(3), 25-30.
- Kumar, P. & Gupta, N. C. (2018), Firework-Induced Particulate and Heavy Metal Emissions During the Diwali Festival in Delhi, India. *Journal of Environmental Health*. 81(4), E1.
- Kumar, P., Mann, M., Gupta, N. C. (2018), Regression analysis of aerosol optical properties with long-term MODIS data using forward selection method. *Meteorology and Atmospheric Physics*. 131, 1121-1131.
- Bhati, U., Das, S. K., Gupta, N.C., Kumar, P., Rani, N., Singh, K. (2018). Heavy Metals Assessment in Urban Air of National Capital Region of Delhi Using Spider Webs as Bioindicator. *Journal of Environmental Sciences and Technology*. 11(1), 49-55. ISSN: 1994-7887.
- Tyagi, C., Gupta, N.C., Sarma, K., Pathak, U. (2018), Seasonal and Diurnal Variation of Black Carbon Aerosols over Delhi and their Interrelationship with PM_{2.5} and Meteorological Parameters. *Journal of Advanced Research in Alternative Energy, Environment and Ecology*. Vol. 5(4) 29-32
- Tyagi, C., Gupta, N.C., Sarma, K. (2018). Measurement of short term pollution due to fire crackers episode during Diwali, 2016 and 2017 at residential suburb in Delhi, *Pollution Research*, Vol. 37(3) 763-770
- Tyagi, C., Gupta, N. C., Sarma, K. (2018). Carbonaceous Content Analysis of PM₁₀ Aerosols at Residential Suburb of Delhi, India, *Environment & We: An International Journal of Science and Technology*. Vol. 13 189-198.
- Kumari, P., Gupta, N.C., Kaur, A. (2017). A Review of Groundwater Pollution Potential Threats from Municipal Solid Waste Landfill Sites: Assessing the Impact on Human Health. *Avicenna Journal of Environmental Health Engineering*. 4(1).
- Garg, A., Darbari, T., Tyagi, S.K., Gupta, N.C. (2017). A study on Ambient Air Quality and Non-Attainment Cities in North Zone of India. *Indian Journal of Air Pollution Control*. 16(2), 76-84.
- Dash, P.K., Gupta, N.C., Rawat, R., Pant, P.C. (2017). A novel climate classification criterion based on the performance of solar photovoltaic technologies. *Solar Energy*. 144, 92-398.
- 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

	<p>characteristics and source apportionment of PM_{2.5} using PCA/APCS, UNMIX, and PMF at an urban site of Delhi, India. <i>Environmental Science and Pollution Research</i>. 24(17), 14637-14656.</p>
<p>Papers Published in Conference Proceedings (last 5 Years)</p>	<ul style="list-style-type: none"> • Kumari, P., Kaur, A., Gupta, N.C., Chadha, D.K. (2017). Preliminary Assessment of Ground Water Quality using Water Quality Index near Landfill Site: A Case Study of Ghazipur, Delhi. 7th International Conference on Chemical, Agricultural, Biological and Environmental Sciences, Kuala Lumpur, Malaysia. 14-15th December 2017. ISBN 978-93-86878-06-9. • Gupta, N. C., Dash, P. K., Das, P. K., Gridhar, G. (2018). Most Probable Operating Conditions and Performance Assessment of PV Technologies in India EuroSun 2018 proceedings, 12th International conference on solar energy for building and Industry (Rapperswil, Switzerland) Sep 10-13, 2018. (Oral) • Garg, A., Gupta, N.C., Bhattacharya, P. (2017). "A study of annual variations among various air pollutants in ambient air of Delhi" National Conference on Climate Change, Resource Conservation and Sustainability Strategies, 2017, at GGSIPU (Poster) • Garg, A., & Gupta, N.C. (2017). Episodic Levels of PM₁₀, PM_{2.5} and PM₁ during Diwali: A study in urban area of Delhi, India 7th International Science Congress (ISC-2017), 2017, Jointly Organized by International Science Community Association & College of Science and Technology, Rinchending, Phuentsholing, Chukkha, Bhutan on December, 8-9, 2017 (First Prize) (Oral) • Garg, A., & Gupta, N.C. (2018). "Diurnal variations, weekdays - weekend effect and ozone formation potential of BTEX along a roadside area of East Delhi" International Conference on Health and Air Pollution: Effects and Management (ICOHAP-EM-2018), 2018, at India International Centre, New Delhi on September, 7-8, 2018 (Oral) • Garg, A., & Gupta, N.C. (2019). "Levels, Health Risk Assessment and Ozone Formation Potential of BTEX emissions in ambient air of Central Delhi, India" National Environmental Conference: IIT Bombay Diamond Jubilee Year Conference (NEC- 2019) on 31 January- 2 February, 2019 (Oral) • Garg, A., & Gupta, N.C. (2019). Short-term exposure of PM_{2.5} and associated relative risks of cardiopulmonary and lung cancer mortality during smog period in ambient air of Delhi, India, 11th International Exergy, Energy and Environment Symposium, 14-18, July 2019, organized by SRM University, Chennai in collaboration with University of Ontario. (Oral) • Garg, A., & Gupta, N.C. (2019). "Effects of meteorological parameters on Benzo[a] pyrene bounded with particulate matter in urban air of traffic congested area of Delhi, India." International Conference on Knowledge and Policy for Sustainable Development: Global Lessons, Local Challenges, 25-27, September 2019, organized by Guru Gobind Singh Indraprastha University, Dwarka, New Delhi (Oral) • Garg, A., & Gupta, N.C. (2019). BTEX Emissions, Spatio-seasonal Variability and its Associated Health Risks on Human Health in Outdoor Air of Delhi. 15th International Conference on Atmospheric Sciences and

	Applications to Air Quality, 28-30 , October, 2019, organized by University of Nottingham, Kuala Lumpur, Malaysia (2 nd Price for Oral)			
Books Authored/ Book Volume Chapters	<ul style="list-style-type: none"> • Tripathi, S., Areendran, G., Gupta, N. C., Krishna, R., Sahana, M. (2020) Environmental and Livelihood Impact Assessment of 2013 Flash Flood in Alakananda and Mandakini River Valley, Uttarakhand (India), Using Environmental Evaluation System and Geospatial Techniques, Pavan Kumar et. al. editors, Remote Sensing and GIS Science- Challenges and Future Directions, Springer, • Climate Change, Resource Conservation and Sustainable Strategies. Published by DBH Publishers, New Delhi. Eds A. Kaushik, J.K. Garg, P. Bhattacharya, N.C. Gupta, R. Singh and V. Joshi. 2017. pp 173. ISBN 9789384871086 			
No. of Conferences	National	Attended		Organised
		12		08
	International	10		06
Research Guidance	Awarded	PG	M.Phil	Doctorate
		Avg.5/ year	-	12
	Undergoing	03	-	06
Research Projects	Completed	<ul style="list-style-type: none"> • Project for the Institutional consultancy work for the water quality analysis, pollution control, management and analysis of discharge from Ash ponds of Badarpur thermal power plant of NTPC. • Project of Larsen & Toubro of Delhi International Air Port Limited was completed on Efficiency and Efficacy of Air pollution system. • EIA of Bhamragarh Forest Division, Maharashtra, funded by National Mission on Bamboo Application Sponsored By DST (As Co-Consultant with Prof. P. Bhattacharya) • Modelling the Potential Impacts of Climate Change on Agriculture with Respect to Rice Cropping System in the Indo-Gangetic Region, UGC Major Research Project 		
	Undergoing	<ul style="list-style-type: none"> • SCOPE – Sustainable OPERATION of post-combustion Capture plants –International Bilateral Project funded by DST 		

Awards & Distinctions	<ul style="list-style-type: none"> • Awarded as recognized reviewer status by Elsevier Journal- Urban Climate • Nominated as member editorial advisory board of the Journal Climate Change and Environmental Sustainability (CCES) • Prof. R. C. Singh Prize for paper entitled ‘Fly ash disposal in Ash Ponds: A threat to ground water contamination’ by Institution of Engineers India • Awarded (LEAP) Leadership for Academicians Program implemented by Ministry of Human Resource Development, Govt of India, New Delhi and coordinated by University of Delhi and University of Cambridge, UK. • Participated as an expert and jury member for the selection of Shanghai Cooperation Organisation (SCO) young scientist innovators from member countries (China, India, Kazakhstan, Kyrgyzstan, Russia, Pakistan, Tajikistan and Uzbekistan) in virtual mode presentations organised by DST and CSIR-IICT, Hyderabad during 24-28th Nov, 2020. • Member Composite Scientific Expert Committee for ASEAN-India Research Training Fellowship, Department of Science and Technology (DST), Govt. of India, New Delhi
Administrative Assignments Handled	<ul style="list-style-type: none"> • Director, Research & Consultancy, Guru Gobind Singh Indraprastha University, Delhi Jan21,2021-April27, 2022 • Member, International Student Admission Committee, Guru Gobind Singh Indraprastha University, Delhi 2021 • Dean, University School of Environment Management, Guru Gobind Singh Indraprastha University, Delhi September14, 2017- SEP 28, 2020 • Coordinator M. Sc. (EM), University School of Environment Management, Guru Gobind Singh Indraprastha University, Delhi 2007-2017 • Member, School Research Committee, University School of Environment Management, Guru Gobind Singh Indraprastha University, Delhi since inception • Member, Board of Studies, Guru Gobind Singh Indraprastha University, Delhi • External Expert in the selection of Professor in Environmental Sciences, JNU, 2017 • External Expert, Selection Committee for Professor, GBU Greater Noida, Delhi 2015 • Member FIST-Committee of DST, GGS Indraprastha University. • Centre Superintendent, Evaluation Centre, USMC, GGS Indraprastha University, June-July 2007 • Time Table In-charge, USEM, GGS Indraprastha University 1999-2010 • Member, Editorial Board, U-Focus, University Newsletter, Guru Gobind Singh Indraprastha University, Delhi 2005
Association with Professional Bodies	<ul style="list-style-type: none"> • Life member of the Society for Science of Climate Change and Sustainable Environment (SSCE) • Member International Solar Energy Society-The global voice for renewable energy

	<ul style="list-style-type: none"> • Member editorial advisory board Pollution Research International Journal • Editorial board member of the Journal Archives of Agriculture and Environmental Science published by Agriculture and Environmental Science Academy. • Life member Indian Association for Air Pollution control
Any Other Achievements	<ul style="list-style-type: none"> • Participated as resource person in 3rd Refresher Course in Research Methodology (IDC) organized by UGC-Human Resource Development Centre, Jawaharlal Nehru University, New Delhi on October 29th, 2020 • Keynote address on Environmental Health, Climate Change and Sustainable Development goals: Issues and Challenges on 27th Nov, 2020 in Shanghai Cooperation Organisation (SCO)-1st Young Scientist Conclave in virtual event organised by CSIR-IICT, Hyderabad, India • Nominated as the Member Board of Studies Central University of Haryana, Mahendragarh, Haryana • Nominated as the member Board of Studies of the Academy of Environmental Education, Research and Eco-Planning, Jiwaji University, Gwalior, Madhya Pradesh • Member Board of Studies of Department of Environment Science and Technology, Central University of Punjab, Bathinda, Punjab • Organised Shanghai Cooperation Organization (SCO) Stakeholder Meeting at GGS IP University funded by DST, New Delhi, during 13-14th March, 2020 • Conference Chair for the National Workshop on Ecosystem Adaptation in river Basins organised by University School of Environment Management, GGS Indraprastha University, March 4-5, 2020 • Acted as Director for online Faculty Development Programme (FDP) on: Environmental Impacts of COVID-19 Pandemic: Challenges and Future Research organised by University School of Environment Management during 27th May to 1st June, 2020 • Conference Chair for the e-Conference on Climate Change, Environmental Health and Sustainable Development Goals in Post COVID-19 organised by University School of Environment Management, GGS IP University during June 4-5, 2020

