

STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE						
Title	Dr.	First Name	Anubha	Last Name	Kaushik	
Designation		Professor				
School/ Dept. Name		University School of Environment Management				
Address:		AFR-101, GGSIPU Campus, Sector -16 C, Dwarka, New Delhi-110078				
Phone No.		Office	011 25302371			
		Residence	(Optional)			
		Mobile	(Optional)			
Email		aks.es.10@gmail.com		akaushik@ipu.ac.in		
Web Page (If any)						
Subject Taught		Ecosystem diversity & Conservation, Energy& Environment, Environmental Microbiology, Ecotechnology, Environmental Impact Assessment, Bioremediation, Wastewater Treatment				
Areas of Interest/ Specialization		Bioremediation, Waste to Energy, Microbial Fuel cell, Constructed wetlands, Biohydrogen, Ecosystems and Ecotechnology, Sustainable development				
Experience (In Years)		Total	42 years			
		Industry	-			
		Teaching	38 years			
		Research	42 years			
Educational Qualifications		UG	B.Sc. (Biology)			
		PG	M.Sc. (Botany)			
		Doctorate	Ph.D.			
		Any Other	Diploma in French			
Research Publications in Journals (last 5 years)		<ul style="list-style-type: none"> Prabhakar, Y., Gupta, A., Kaushik, A. (2022). Using indigenous bacterial isolate <i>Nesterenkonia lacusekhoensis</i> for removal of azo dyes: A low-cost ecofriendly approach for bioremediation of textile wastewaters. <i>Environment, Development and Sustainability</i>.24,5344–5367. Springer 				

- Singh, B.&**Kaushik, A.** (2022). Dust capturing potential of some existing roadside tree species: Implications for urban dust aerosol monitoring and mitigation around Wazirpur Industrial Area, Delhi, India. *International Journal of Geography, Geology and Environment*. 4(1), 116-122.
- Singh, A.&**Kaushik, A.** (2021). Improved Performance Output of Microbial Fuel Cell by Supplements of Ionic and Non-ionic Osmolytes using Pressmud as inoculum. *International Journal of Renewable Energy Technology*.12(3),259-268.
- Singh, A.&**Kaushik, A.**(2021). Sustained energy production from wastewater in microbial fuel cell: Effect of inoculum sources, electrode spacing and working volume. *3 Biotech*. 11,344.Springer
- Singh B.&**Kaushik, A.** (2021). Application of biomagnetic analysis technique using roadside trees for monitoring and source apportionment of atmospheric particulates in some selected air pollution hotspots in Delhi, India. *Atmospheric Pollution Research*.12 (7), 101113. Elsevier.
- Bajar, S, Singh, A, Kaushik, C.P. and **Kaushik, A.** (2021). Suitability assessment of dumpsite soil biocover to reduce methane emission from landfills under interactive influence of nutrients. *Environmental Science and Pollution Research*. 28(2),DOI: [10.1007/s11356-020-10441-8](https://doi.org/10.1007/s11356-020-10441-8)
- 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. Elsevier
- Sehrawat, G, **Kaushik, A.**,Singh, R.(2021)Tolerance of three ornamental plant species to chromium contamination in soil and their potential for phytoextraction and phytostabilization of the toxic metal. *Current World Environment*. 16 (2),386-398.
- **Kaushik, A.**& Singh, A.(2020). Metal removal and recovery using bioelectrochemical technology: The major determinants and opportunities for synchronic wastewater treatment and energy production..*Journal of Environmental Management*. 270, 110826. Elsevier.
- Singh, A.&**Kaushik, A.**(2020). Suitability of wetland microbial consortium for enhanced and sustained power generation from distillery effluent in Microbial Fuel cell.*Energy Sources, Part A: Recovery, Utilization, & Environmental Effects*.10, 1081864515. Taylor Francis.
- Karwal, M.&**Kaushik, A.** (2020).Co-composting and vermicomposting of coal fly-ash with press mud: Changes in nutrients, micro-nutrients and enzyme activities. *Environmental Technology & Innovation*. 18,100708.
- Sehrawat,G.,**Kaushik, A.**, Singh, R. (2020). Ornamental Plant Species

for Application in Phytoremediation of Metal Contaminated Soils. *Environ. We Int. J. Sci. Tech.* 16, 15-23.

- Karwal, M. & **Kaushik, A.** (2020). Bioconversion of lawn waste amended with kitchen waste and buffalo dung into value-added vermicompost using *Eisenia fetida* to alleviate landfill burden. *Journal of Material Cycles and Waste Management*. 10, Springer. DOI: [10.1007/s10163-020-01101-7](https://doi.org/10.1007/s10163-020-01101-7)
- 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 Environ Protection*. 131, 116-126.
- Prabhakar, Y., Gupta, A., **Kaushik, A.** (2019). Effect of some organic co-pollutants on decolorization of reactive violet 1 dye by an indigenous microbial strain from textile wastewater. *Environ We Int J Sci Tech*. 14, 159-168.
- Singh, A. & **Kaushik, A.** (2019). Anode Modification for Increased Power Generation and COD Removal in Microbial Fuel Cell. *Asian Journal of Microbiology, Biotechnology and Environmental Science*. 21 (1), 181-186.
- Sharma, P. & **Kaushik, A.** (2018). Drivers of Ecosystem change: A case study of River Ganga. *Environ We Int J Sci Tech*. 13, 167-176.
- Nisha, R., Kiran, B., **Kaushik, A.**, Kaushik, C.P. (2018). Bioremediation of salt affected soils using cyanobacteria in terms of physical structure, nutrient status and microbial activity. *International Journal of Environmental Science and Technology*. 15(3), 571-580. Springer.
- Karwal, M., **Kaushik, A.**, CM Batra, Misra, S., Trivedi, M. (2018). Effect of Vermicompost Produced from Vegetable Wastes and Cow Dung on the Growth of Tomato Plant. *International Journal of Advanced Scientific Research and Management*. Special Issue II, 1-6.
- Ghosh, P, Thakur, I.S., **Kaushik, A.** (2017). Bioassays for toxicological risk assessment of landfill leachate: A review. *Ecotoxicology and Environmental Safety*. 141, 259-270. Elsevier,
- Bajar, S, Singh, A, Kaushik, C.P., **Kaushik, A.** (2017). Statistical assessment of dumpsite soil suitability to enhance methane bio-oxidation under interactive influence of substrates and temperature. *Waste Management*. 63, 188-195. Elsevier
- **Kaushik, A.** & Raman Preet. (2017). Producing sustained renewable energy and removing organic pollutants from distillery wastewater using consortium of sludge microbes. *International Journal of Environmental and Ecological Engineering*. 11(6), 520-524.
- Nisha, R., A., **Kaushik, A.**, Sagar, Kiran, B. (2017). Halophilism in some

	<p>strains of Nostoc from aridisols of Hisar, India. <i>Phycologia</i>.56(4),156-161. Taylor Francis.</p>
<p>Papers Published in Conference Proceedings (last 5 Years)</p>	<ul style="list-style-type: none"> • Sharma, P. &A. Kaushik, 2018. <i>Variations in Organic Pollution and Coliform Bacteria in River Ganga along Bithoor-Kanpur Ghats: A Socio-cultural dimension</i>. ING.C. Mishra (Ed). Proceedings of Recent Trends in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Ecological Sciences and Climate Change (pp.15-18). Krishi Sanskriti Publications. • Singh, A. &Kaushik, A. (2017). Microbial Fuel Cell Technology for <i>Wastewater Treatment and Energy Production: Prospects and Challenges</i>. In A. Kaushik, et al. (Eds). Proceedings of National Conference on Climate Change, Resource Conservation and Sustainability Strategies. (pp. 96 to 102), organized by University School of Environment Management, GGSIPU, N. Delhi. • Raman Preet &Kaushik, A.(2017) <i>Biohydrogen production and removal of organic pollutants from distillery wastewater using indigenous sludge microbes</i>In A. Kaushik, et al. (Eds). Proceedings of National Conference on Climate Change, Resource Conservation and Sustainability Strategies. (pp. 128-132) DBH Publishers, New Delhi • Singh, S., Kaushik,A. &Kaushik, C.P. (2017) <i>Nutrient removal from Agriculture Runoff using Constructed Wetland Microcosms</i>. In A. Kaushik, et al. (Eds). Proceedings of National Conference on Climate Change, Resource Conservation and Sustainability Strategies. (pp. 64-68) DBH Publishers, New Delhi • Bajar, S., Singh, A., Kaushik, C.P. &Kaushik, A. (2017) <i>Selective Screening of Significant Factors to Investigate Methane Bio-oxidation using Saw Dust amended Dumpsite Soil Biocover</i>. In A. Kaushik, et al. (Eds). Proceedings of National Conference on Climate Change, Resource Conservation and Sustainability Strategies. (pp. 24-31) DBH Publishers, New Delhi • Prabhakar, Y., Gupta,A. &Kaushik, A. (2017) <i>Bio-removal of Acid red 3R dye in static broth studies using Nesterenkonia sp.</i> In A. Kaushik, et al. (Eds). Proceedings of National Conference on Climate Change, Resource Conservation and Sustainability Strategies. (pp. 133-137) DBH Publishers, New Delhi

<p>Books Authored/ Book Volume Chapters</p>	<p>Books Authored:</p> <ul style="list-style-type: none"> ● Kaushik,A,Kaushik, C.P. &Attri, S.D. (2021). <i>Climate Resilience and Environmental Sustainability Approaches- Global Lessons and local Challenges</i>,Springer ● Kaushik, A. & C.P. Kaushik (2021).<i>Perspectives in Environmental Studies</i>.(7th Edition 2021) 6th Edition in 2018, 5th edition in 2014; 1st ed. 2004). New Age Publications, N. Delhi ● Kaushik A.et al. (eds) 2017. <i>Climate Change, Resource Conservation and Sustainability Strategies</i>. DBH Publishers and Distributors, N.Delhi ● Kaushik, C.P.,Kaushik,A.,V.K.Garg& Sharma, M. (Eds.) 2013. <i>Strategies for Mitigation of Environmental Degradation and Climate Change</i>. Arihant Prakashan, New Delhi. ● Sharma, M.&Kaushik, A. (2015). <i>Biohydrogen Production and Biosorption of Textile dyes from Wastewater</i>. Verlag Publishers- LAP LAMBERT Academic Publishing, Saarbrucken, Germany. ● Kaushik, C.P., Bhavikatti, S.S &Kaushik, A. (2010).<i>Basic Civil and Environmental Engineering</i>. p.200. New Age Publications, N. Delhi ● Kaushik, A. & C.P. Kaushik. (2010). <i>Basics of Environment and Ecology</i>. New Age Publications, N. Delhi ● Kaushik, A. & C.P. Kaushik (2004) <i>Paryavaran Adhyayan</i> (1st Edition) New Age Publications, N. Delhi <p>Book Chapters:</p> <ul style="list-style-type: none"> ● Bharti, RK, Singh, A., Wattal Dhar, D. &Kaushik, A. (2022). <i>Biological carbon dioxide sequestration by microalgae for biofuel and biomaterials production</i>. INI.S Thakur Ashok Pandey Huu Ngo Carlos Soccol Christian Larroche (Eds) Biomass, Biochemicals, Biofuels: Climate change mitigation: Sequestration of greenhouse. (Pp 137-153). Elsevier ● Kaushik, A., Attri, S.D. , Kaushik, C.P.&Schnell, Russ. (2021).<i>Climate resilience and Environmental Sustainability Approaches: An Introduction</i>.INA. Kaushik, C.P. Kaushik, S.D. Attri (Eds)Climate resilience and Environmental Sustainability Approaches -Global Lessons and Local Challenges(pp 1-8). Springer ● Singh, A. &Kaushik, A.(2021). <i>Integrated Wastewater Treatment and Energy Production using Microbial Fuel Cell Technology: A Sustainable Environment Management Approach</i>.INA. Kaushik, C.P. Kaushik, S.D. Attri (Eds) Climate resilience and Environmental Sustainability Approaches -Global Lessons and Local Challenges (pp 235-256),. Springer ● Prabhakar,Y., Gupta, A. &Kaushik, A. (2021). <i>Ecofriendly Bioremediation Approach for Dye Removal from Wastewaters:</i>
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Challenges and Prospects.INA. Kaushik, C.P. Kaushik, S.D. Attri (Eds) Climate resilience and Environmental Sustainability Approaches -Global Lessons and Local Challenges (pp 273-298). Springer.

- Bhardwaj, A., Sharma, M., Kaushik, C.P., **Kaushik, A.** (2019). *Bioremediation of High Strength Post-Methanated Distillery Wastewater at Lab Scale by Using Constructed Wetland Technology* IN K. P. Jibin, N. Kalarikkal, S.Thomas &A. Nzihou (Eds) Reuse And Recycling of Materials: New Headways (pp. 173-182). River Publishers, Niels Jernes Vej Denmark
- Mona, S., Bajar, S., Deepak, B., Kiran, B., **Kaushik, A.** (2019). *Microbial Cellulose: Production and Application* IN V. Grumezescu &A. Mihai Grumezescu (Eds). Materials for Biomedical Engineering Absorbable Polymers(pp. 309-322) Elsevier
- Nisha, R., Sharma, H.R., **Kaushik, A.** &Sagar. (2018). *Bioremediation of Mined Wasteland*.INHandbook of Environmental Materials Management (pp1-25). Springer.
- Sharma M.Kumar,V., Bansal, D. &**Kaushik. A.** (2018). *Cyanobacteria: The Eco-Friendly Tool for the Treatment of Industrial Wastewaters*. IN R.N. Bharagava, R.N. Saxena (Eds.)Bioremediation of Industrial Waste for Environmental Safety Volume II: Biological Agents and Methods for Industrial Waste Management (pp 389-413). Springer
- **Kaushik,A.** &Sharma, M.(2016)*Exploiting Biohydrogen Pathways of Cyanobacteria and Green Algae: An Industrial Production Approach*IN A. Singh & D. Rathore (Eds) Biohydrogen Production: Sustainability of Current Technology and Future Perspective (p. 97 -113). Springer
- Sharma, M.&**Kaushik, A.** (2016)*Biohydrogen Economy: Challenges and Prospects for Commercialization*IN A. Singh & D. Rathore (Eds) Biohydrogen Production: Sustainability of Current Technology and Future Perspective (pp 253-268). Springer
- **Kaushik. A.**(2012). *Ecotechnology: A New Paradigm for Environmental Management*IN C.P. Kaushik, A. Kaushik, V. K. Garg, M.Sharma (Eds)Strategies for Mitigation of Environmental Degradation and Climate Change (p.71-73) Arihant Prakashan., N. Delhi.
- Dutta, H.N., Kh. Gajananda, Sharma, P.K. Bishnoi, L., **Kaushik, A.** & Lagun, V. (2012). *Signals of global warming from Shirmacher Oasis, Antarctica*. IN C.P. Kaushik, A. Kaushik, V. K. Garg, M.Sharma (Eds) Strategies for Mitigation of Environmental Degradation and Climate Change (p.1-8) Arihant Prakashan., N. Delhi.
- Shilpa, Kaushik, C.P., Singh, N. &**Kaushik, A.** (2012). *Optimization of growth media for bacterial strains for enhanced PAH degradation*. IN C.P. Kaushik, A. Kaushik, V. K. Garg, M.Sharma (Eds) Strategies

	<p>for Mitigation of Environmental Degradation and Climate Change (pp 80-82) Arihant Prakashan., N. Delhi.</p> <ul style="list-style-type: none"> • Susheela Rani, Kaushik, C.P., Singh,N. and Kaushik, A (2012). <i>Assessment of ground water quality of Sirsa district in Haryana</i>. IN C.P. Kaushik, A. Kaushik, V. K. Garg, M.Sharma (Eds) Strategies for Mitigation of Environmental Degradation and Climate Change pp 147-150) Arihant Prakashan., N. Delhi. • Sharma Mona, Kaushik, A. &C.P. Kaushik. (2012). <i>Potential of exopolysaccharides of a cyanobacterial consortium for Metal-Dye sequestration from aqueous solution</i> IN C.P. Kaushik, A. Kaushik, V. K. Garg, Sharma (Eds) Strategies for Mitigation of Environmental Degradation and Climate Change (pp.101-104). Arihant Prakashan., New Delhi. • Kaushik, A. (2008). <i>Ecological Engineering</i>. IN Groundwater resources: Conservation and Management. (pp 52-58), Arihant Prakashan, New Delhi. • Sharma, H.R. &Kaushik, A. (2002). <i>Religious Beliefs in the Modern Context of Environmental Conservation</i>. IN K. R. Bishnoi, & N RBishnoi (Eds) Religion and Environment (Vol.-II, pp 128-137) G.J. University Press Hisar. • Kaushik, A. & Kaushik, C.P. (2000). <i>Religion and Environmental Conservation</i>. IN K. R. Bishnoi, & N R Bishnoi (Eds) Religion and Environment (Vol I, pp 258-263). Commonwealth Publishers, New Delhi. 			
No. Of Conferences	National	Attended		Organised
		16		08
	International	06		04
Research Guidance	Awarded	PG	M.Phil	Doctorate
		110	03	25
	Undergoing	04	-	05
Research Projects	Completed	11		
	Undergoing			

Awards & Distinctions	<ul style="list-style-type: none"> ● 08 Gold medals in Academics (1973-80) for 1st rank in Board/ University ● National Nehru Memorial Foundation Prize (1980) ● Dr. B.R. Ambedkar National Fellowship Award and Gold Medal (1998) ● Distinguished Author Award for 2013 by Federation of Educational Publishers of India ● Fellow of Education in Societal Mission (FEMS) 2019, Academy of Environmental Biology, Lucknow, India ● Distinguished Fellow, The PHD Chamber of Commerce & Industries - Environment Committee, New Delhi, 2021 ● Expert, N.O.W., Dutch Research Council, Netherlands, 2021 ● Expert, Research Panel, Institut d' Indo Canadien, 2018-2020 ● Invited Lead Guest Editor (Special issue on Bioremediation) International Journal 'Sustainability', MDPI, Geneva, 2021 ● Expert, National Mission for Clean Ganga in the Ministry of Jal Shakti, Govt. of India (since 2017) ● Indian representative at "Gender Conference on Climate Change" organised by World Meteorology Organisation (WMO), Geneva. 2014 ● Academic Guest to National Oceanic and Atmospheric Administration (NOAA), Boulder, Colorado, USA (2010) ● Appellate Authority (Gazette Notification) under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 (2003- 2005, 2005-2007) ● Member, National Committee of UGC for Technical Education for Women(2003) ● Resource Person, US Education Foundation in India, Fulbright. 2003 ● Chairperson & UGC Nominee, Advisory Committee, TERI University ● Expert, UGC Committees - Swachchata Ranking, XIth Plan Grant , Conservation of diversity in North East, foreign visit grants to college teachers , Conference grants, Foreign fellowships grant ● Member Steering Committee of Haryana for National Biodiversity Conservation Programme-Strategy and Action Plan (2001-2003). ● Nominee in Environmental Protection Council, Haryana (1995-1997)
Administrative Assignments Handled	<ul style="list-style-type: none"> ● Director, International Affairs (March 2018 -Nov. 2020) ● Dean, University School of Environment Management (2014-17) ● Member, Board of Management (2016-17) ● Chairperson, Task Force for STRIDE (UGC) ● Chairperson, University Complaints Committee (2014-16, 2016-19) ● Chairperson, Task Force for Women Safety & Gender Sensitization ● Member, Academic Council (2015- 2017; March 2018-onwards) ● Chairperson, P G Board of Studies in Environment Management
Association with	<ul style="list-style-type: none"> ● Academy of Environmental Biology ● Member, Indian Association for Air Pollution Control, Delhi Chapter

Professional Bodies	<ul style="list-style-type: none">• Member Society for Environment and Development SED, India• Member, International Society of Tropical Ecology ISTE.• Member, Indian Science Congress Association
Any Other Achievements	Completed several Environmental Consultancies of Govt. and Corporate