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)		• 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. 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 • 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.E*nergy 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 andWaste Management.10,* Springer. DOI: 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 strains of Nostoc from aridisols of Hisar, India. *Phycologia.*56(4),156-161. Taylor Francis.

Papers Published in Conference Proceedings (last 5 Years)	• Sharma, P. &A. **Kaushik,** 2018. *Variations in Organic Pollution and Coliform Bacteria in River Ganga along Bithoor-Kanpur Ghats: A Socio-cultural dimension.* 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 *Wastewater Treatment and Energy Production: Prospects and Challenges*. 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) *Biohydrogen production and removal of organic pollutants from distillery wastewater using indigenous sludge microbes*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) *Nutrient removal from Agriculture Runoff using Constructed Wetland Microcosms.* 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) *Selective Screening of Significant Factors to Investigate Methane Bio-oxidation using Saw Dust amended Dumpsite Soil Biocover*. 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) *Bio-removal of Acid red 3R dye in static broth studies using Nesterenkonia sp*. 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
Books Authored/ Book Volume Chapters	**Books Authored:** • **Kaushik**,**A,**Kaushik, C.P. &Attri, S.D. (2021). *Climate Resilience and Environmental Sustainability Approaches- Global Lessons and local Challenges,*Springer • **Kaushik, A.** & C.P. Kaushik (2021).*Perspectives in Environmental Studies.*(7th Edition 2021) 6th Edition in 2018, 5th edition in 2014; Ist

ed. 2004). New Age Publications, N. Delhi

- **Kaushik A.***et al*. (eds) 2017. *Climate Change, Resource Conservation and Sustainability Strategies.* DBH Publishers and Distributors, N.Delhi
- Kaushik, C.P.,**Kaushik**,**A.,**V.K.Garg& Sharma, M. (Eds.) 2013. *Strategies for Mitigation of Environmental Degradation and Climate Change.* Arihant Prakashan, New Delhi.
- Sharma, M.&**Kaushik, A. (**2015). *Biohydrogen Production and Biosorption of Textile dyes from Wastewater*. Verlag Publishers- LAP LAMBERT Academic Publishing, Saarbrucken, Germany.
- Kaushik, C.P., Bhavikatti, S.S &**Kaushik, A.** (2010).*Basic Civil and Environmental Engineering.* p.200. New Age Publications, N. Delhi
- **Kaushik, A.** & C.P. Kaushik. (2010). *Basics of Environment and Ecology*. New Age Publications, N. Delhi
- **Kaushik, A.** & C.P. Kaushik (2004) *Paryavaran Adhyayan* (1st Edition) New Age Publications, N. Delhi

Book Chapters:

- Bharti, RK, Singh**, A.,** Wattal Dhar, D. &**Kaushik, A.** (2022). *Biological carbon dioxide sequestration by microalgae for biofuel and biomaterials production.* 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).*Climate resilience and Environmental Sustainability Approaches: An Introduction.*IN*A.* 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). *Integrated Wastewater Treatment and Energy Production using Microbial Fuel Cell Technology: A Sustainable Environment Management Approach.*IN*A.* 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). *Ecofriendly Bioremediation Approach for Dye Removal from Wastewaters: Challenges and Prospects.*IN*A.* 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 for Mitigation of Environmental Degradation and Climate Change (pp 80-82) Arihant Prakashan., N. Delhi.
- Susheela Rani, Kaushik, C.P., Singh,N. and **Kaushik, A (**2012). *Assessment of ground water quality of Sirsa district in Haryana.* 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). *Potential of*

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<tr><td></td><td colspan="4">exopolysaccharides of a cyanobacterial consortium for Metal-Dye sequestration from aqueous solution 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). Ecological Engineering. IN Groundwater resources: Conservation and Management. (pp 52-58), Arihant Prakashan, New Delhi.
• Sharma, H.R. &Kaushik, A. (2002). Religious Beliefs in the Modern Context of Environmental Conservation. 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). Religion and Environmental Conservation. IN K. R. Bishnoi, & N R Bishnoi (Eds) Religion and Environment (Vol I, pp 258-263). Commonwealth Publishers, New Delhi.</td></tr>
<tr><td rowspan="3">No. Of Conferences</td><td rowspan="2">National</td><td colspan="2">Attended</td><td>Organised</td></tr>
<tr><td colspan="2">16</td><td>08</td></tr>
<tr><td>International</td><td colspan="2">06</td><td>04</td></tr>
<tr><td rowspan="3">Research Guidance</td><td rowspan="2">Awarded</td><td>PG</td><td>M.Phil</td><td>Doctorate</td></tr>
<tr><td>110</td><td>03</td><td>25</td></tr>
<tr><td>Undergoing</td><td>04</td><td>-</td><td>05</td></tr>
<tr><td rowspan="2">Research Projects</td><td>Completed</td><td colspan="3">11</td></tr>
<tr><td>Undergoing</td><td colspan="3"></td></tr>
<tr><td>Awards & Distinctions</td><td colspan="4">• 08 Gold medals in Academics (1973-80) forIst 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</td></tr>
</table>

	• 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	• 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 Professional Bodies	• Academy of Environmental Biology • Member, Indian Association for Air Pollution Control, Delhi Chapter • 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