


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF  
UNIVERSITY WEBSITE

Title	Dr.	First Name	Amarjeet	Last Name	Kaur	
Designation	Professor USEM/ Director, CDMS					
School/ Dept. Name	USEM/ CDMS					
Address:	GGG IP University, Sector 16-C, Dwarka, New Delhi					
Phone No.	Office	011 – 2530 2781/82/83				
	Residence	(Optional)				
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Email	1.director.cdms@ipu.ac.in		2. amarjeet_ip@yahoo.com			
Web Page (If any)	www.ipu.ac.in					
Subject Taught	Environmental Biotechnology, Ecology and Sustainable Development, Environment Microbiology					
Areas of Interest/ Specialization	Application of Technologies including Remote Sensing and Geo-informatics and Geo-Spatial-Technology in the area of Environmental Sciences, Environmental Engineering, Disaster Management, Climate Change, Environmental Biotechnology and Fire & Life Safety					
Experience (In Years)	Total	37 Years				
	Industry	Nil				
	Teaching	26 Years				
	Research	11 Years				
Educational Qualifications	UG	B. Sc.				
	PG	M. Sc. (Botany)				
	Doctorate	Ph. D. (Botany)				
	Any Other					
Research Publications in Journals (last 5 years)	Details should be provided in APA/IEEE format 16 (Sixteen) List Enclosed					
Papers Published in Conference Proceedings (last 5 Years)	17 (Seventeen) List Enclosed					

Books Authored/ Book Volume Chapters			
No. Of Conferences	National	Attended	
	International		
Research Guidance	Awarded	PG	M.Phil
			Doctorate
			08 (Eight)
	Undergoing		06 (Six)
Research Projects	Completed		
	Undergoing		
Awards & Distinctions	<ul style="list-style-type: none"> <li>• Awarded University Merit Scholarship during Ph.D. Programme.</li> <li>• Awarded State Matric Scholarship in Matric.</li> </ul>		
Administrative Assignments Handled	Worked as: Technical Advisor (December 1998 to May 1999); HOD SEM (May 1999 to September 2004); Dean USEM (September 2004 to August 2008); Director CDMS (August 2005 to till date)		
Association with Professional Bodies			
Any Other Achievements	<ul style="list-style-type: none"> <li>• <b>Established University School of Environment Management and appointed as Founder HOD/ Dean of the School in the year 1999.</b></li> <li>• <b>Established University Centre for Disaster Management Studies (CDMS) and appointed as Founder Director of the Centre in the year 2005.</b></li> <li>• <b>Started Programs i.e. MBA (Disaster Management) in the year 2005 and Post Graduate Diploma in Fire &amp; Life Safety Audit (PGDF&amp;LSA) in the year 2020 alongwith others at CDMS, which are unique in nature and launched first time in India.</b></li> </ul>		

## Publications in National and International Journals

- Joshi, S., Garg, J.K, Amarjeet, K., Kumar M., (2021) **Assessment of Wildfire Landslide Risk using Spatial Analytics and Deep Learning techniques for Rudraprayag Forest Division, Uttrakhand, Indian Forester.**
- Samsher Singh, Amarjeet Kaur, Anshu Gupta (2021) **Tannase production through solid-state fermentation of Shorea robusta deoiled seed cake: an industrial biomass using Aspergillus favus TF-8 for potential application in gallic acid synthesis, Biomass Conversion and Biorefinery, ISSN: 2190-6823.**
- Seema Joshi, J. K. Garg , Amarjeet Kaur (2021) **Automation of Forest Fire Detection and Burnt Area Assessment using integrated GIS with Advanced Spatial Data Sciences for the Rudraprayag Forest Division, Uttrakhand, Indian Forester, 147(3), 0019-4816, 261-266.**  
DOI: 10.36808/if/2021/v147i3/157737  
**(<http://www.indianforester.co.in/Index.php/indianforester/article/view/157737>)**
- Pratyansha Singh, Amarjeet Kaur, Anil Kumar Gupta (2020) **Hazard-risk and vulnerability assessment for the National Zoological Park at New Delhi, India, International Journal of Disaster Risk Reduction 50 (2020) 101819.**
- Panda A. K., Gupta A. K., Kaur A. (2020) **Participatory Assessment of Climate Risk and Vulnerability of Infrastructure and Agriculture Systems Through Gram Pradhans across Eleven Blocks of Almora District, Uttarkhand, India. Life Science Bulletin Vol. 17 (1) ISSN : 0973-5453 (Print), 2321-7952 (Online)**
- Singh V., Kaur A., Gupta N. C. (2020) **Comparative analysis of the filtration potential of light greywater through various media; Malaysian Journal of Science 39(3): 159-172**
- Singh P., Kaur A., Gupta A. K. (2020) **Hazard-Risk and Vulnerability Assessment for the National Zoological Park at New Delhi, India, International Journal of Disaster Risk Reduction, Elsevier, <https://doi.org/10.1016/j.ijdrr.2020.101819>**
- Panda A. K., Gupta A. K., Kaur A. (2020) **Monitoring and evaluation indicators for reducing Physical, social and environmental vulnerability with respect to community perception on climate change - Case Study Of Almora, Uttarakhand, National Journal of Life Science, 16(1&2) 2019 : 19-24**
- Panda A. K., Gupta A. K., Kaur A. (2020) **Sectoral and Livelihood Vulnerability to Climate Risk in Indian Himalaya: A Case Study of Almora District of Uttarakhand, International Journal of Management and Humanities (IJMH) ISSN: 2394-0913, 4 (7)**
- Joshi S., Garg J. K., Kaur A. (2020) **Multi-Hazard Risk Zonation based on functions responsible for hazards like Landslides, Floods, Forest fires and Earthquakes in Mandakini Valley. International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, 8 (5) Pp. No. 01 – 13.**
- Joshi S., Garg J. K., Kaur A. (2020) **GIS based Landslides Susceptibility Mapping using Probabilistic Certainty Factor for Hazard Zonation in Mandakini Valley. International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, 8 (6), 01 - 07**
- Joshi S., Kaur A., Sridhar C., Singh P. K. (2020) **Leveraging Geo-Spatial Technologies for Disaster Management and Emergency Response for Building Resilient Communities in Mandakini Valley; Disaster - Response and Management Journal, 7 (1), ISSN: 2347-2553, 79-94.**
- Joshi S., Kaur A., Sridhar C., Singh P. K. (2020) **Geo-spatial technologies for effective management of Forest Fires in Mandakini Valley, India; Disaster - Response and Management Journal, 7 (1) ISSN: 2347-2553, 43-62.**
- Suneja J., Kotnala G., Kaur A., Mandal T. K., Sharma S. K. (2020) **Long-term measurements of SO<sub>2</sub> over Delhi, India. Springer Journals (MAPAN-Journal of Metrology Society of India) 35(1):125–133**

**RESEARCH PAPERS/ ABSTRACTS PRESENTED/ PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCE/ SEMINAR:**

- Kumari, P., Kaur, A., Gupta, N. C. (2019). Leachate characterization and its impact on groundwater near Municipal Solid Waste Landfill site of New Delhi. **7th International Conference on Environment Pollution and Prevention. (ICEPP-2019)**, 18-20 Dec., 2019, Melbourne, Australia.
- Singh P. and Kaur A. (2019) Disaster Management plan of National Zoological Park., Delhi, India: In context with Manipur Brow Antlered Deer, **4<sup>th</sup> World conference on disaster management, IIT Mumbai**, January 29 to February 01, 2019.
- Sheetal, Areendran G., Kaur A., Sahana M. and Raj K. (2019) Assessing Drought frequency and Drought hazard mapping of Jodhpur district of Rajasthan, India using Geoinformatics and statistical technique National Seminar on Climate Change, Biodiversity and Urban Environment: Current Trends and Challenges in the conservation of Urban and Peri-urban Biodiversity, 26<sup>th</sup> April, 2019, New Delhi, India.
- Kumari P., Gupta N. C., Kaur A. (2019) Current Status and major challenges of Solid Waste Management in Delhi, National Seminar on Climate Change, Biodiversity and Urban Environment: Current Trends and Challenges in the conservation of Urban and Peri-urban Biodiversity; 26<sup>th</sup> April, 2019, New Delhi, India.
- Kumari, P., Kaur, A., and Gupta, N. C. (2019). **Leachate characterization and its impact on groundwater near Municipal Solid Waste Landfill site of New Delhi.** 7th International Conference on Environment Pollution and Prevention. (ICEPP-2019), 18-20 Dec., 2019, Melbourne, Australia.
- Kumari, P., Kaur, A., Gupta, N. C. and Chadha, D. K. (2018). **Assessment of groundwater quality along with seasonal variation near Ghazipur landfill Site in Delhi, India.** 7th International Science Congress, (ISC-2017), Royal University of Bhutan. 8-9 Dec., 2017. International Research Journal of Environmental Sciences. 7 (4), 1-5.
- **Kaur A., Ghawana T., Kumar N. (2019) Preliminary Analysis of Flood Disaster 2017 in Bihar and Mitigation Measured. In : Rao K., Kubo S. (eds) Proceedings of International Conference on Remote Sensing for Disaster Management; Springer series in Geomechanics & Geoengineering. Springer, Cham. [https://doi.org/10.1007/978-3-319-77276-9\\_40](https://doi.org/10.1007/978-3-319-77276-9_40).**
- Sheetal, Areendran G., **Kaur A.**, Sahana M. and Raj K. (2019) **Assessing Drought frequency and Drought hazard mapping of Jodhpur district of Rajasthan, India using Geoinformatics and statistical technique National Seminar on Climate Change, Biodiversity and Urban Environment: Current Trends and Challenges in the conservation of Urban and Peri-urban Biodiversity; 26<sup>th</sup> April, 2019, GGSIP University, New Delhi, India.**
- Kumari P., Gupta N. C., **Kaur A.** (2019) **Current Status and major challenges of Solid Waste Management in Delhi. National Seminar on Climate Change, Biodiversity and Urban Environment: Current Trends and Challenges in the conservation of Urban and Peri-urban Biodiversity; 26<sup>th</sup> April, 2019, GGSIP University, New Delhi, India.**
- Singh V., Gupta N. C., **Kaur A.** (2018) **Comparative study of filtering media for Greywater Treatment;** Young Scientists Conference (YSC), Delhi, October 05-06 2018.
- Singh V., **Kaur A.**, Gupta N. C. (2018) **Potential greywater reuse: case study of an institutional campus;** International Conference on Latest Researches in Engineering Science and Management; March 30-31, 2018, Delhi, India.
- Singh P. and **Kaur A.** (2019) **Disaster Management plan of National Zoological Park., Delhi, India: In context with Manipur Brow Antlered Deer,** World conference on disaster management January 29 to February 01, 2019.
- Tomar S. K., **Kaur A.**, Dangi H. K. (2018) **Analyzing trend of fire incidents in low rise residential buildings (private dwelling and apartment houses) – A case study of Delhi.**