

CURRICULUM VITAE

Name- Vidhu Gupta
Date of Birth- 20 June , 1986
Nationality- Indian
Current Designation – Assistant Professor, HNBGU
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Language Known: English, Hindi. (Reading, Writing & Speaking)



ACADEMIC CREDENTIALS

- **Ph.D. (Environmental Sciences) 2018**, from the Department of Geology, University of Lucknow on the topic “**Study of heavy metal concentration in soils and road dust along the highways of Lucknow district, Uttar Pradesh: A Geo-Environmental Approach**”
- **M.Sc. (Environmental Sciences) 2009**, from University of Lucknow, Uttar Pradesh, India.
- **B. Sc. (Botany, Zoology and Chemistry) 2007**, from University of Lucknow, Uttar Pradesh, India
- **Intermediate (Hindi, English, Physics, Biology and Chemistry) 2003**, Board of High school and Intermediate Education, Uttar Pradesh, India.
- **High School (English, Hindi, Mathematics, Social Science, Drawing) 2001**, Board of High school and Intermediate Education, Uttar Pradesh.

ACHIEVEMENTS AND MEMBERSHIPS

- UGC-NET in Environmental Sciences (2010, 2012).

AREAS OF INTEREST/SPECIALIZATION

Environmental Pollution and Monitoring (Air, Water and Soil); Environmental Risk Assessment; Environmental Toxicology; Air quality Assessment; Water and wastewater quality Assessment, Environmental Chemistry; Environmental Toxicology; Natural Resources Management; Environmental Impact Assessment (EIA); Environmental Management Plan (EMP); Biodiversity Conservation.

RESEARCH AND TEACHING EXPERIENCE

- Assistant Professor, Department of Environmental Science, H.N.B. Garhwal University (Central University), Srinagar, Garhwal, Uttarakhand (**June 14, 2013 – Till Date**)

- Project Associate, Environmental Monitoring Division. Indian institute of Toxicology Research, Lucknow, Uttar Pradesh (2010-2012)

RESEARCH PUBLICATIONS AND BOOK CHAPTER

- **Gupta, V.**; Bisht, L.; Arya, A.K.; Singh, A.P.; Gautam, S. (2022) Spatially Resolved Distribution, Sources, Exposure Levels, and Health Risks of Heavy Metals in <63 µm Size-Fractionated Road Dust from Lucknow City, North India. *Int. J. Environ. Res. Public Health*, 19 (19), 12898. <https://doi.org/10.3390/ijerph191912898> (IF: 4.614)
- **Gupta, V.**, Bisht, L., Deep, A., and Gautam, S. (2022). Spatial distribution, pollution levels, and risk assessment of potentially toxic metals in road dust from major tourist city, Dehradun, Uttarakhand India. *Stochastic Environmental Research and Risk Assessment*, 1-17. <http://dx.doi.org/10.1007/s00477-022-02207-0> (IF:3.821)
- **Gupta, V.**, Chandran, S., Deep, A., Kumar, R., and Bisht, L. (2022). Environmental factors affecting the diversity of psychrophilic microbial community in the high altitude snow-fed lake Hemkund, India. *Current Research in Microbial Sciences*, 100126. <https://doi.org/10.1016/j.crmicr.2022.100126> (Cite score : 1.1)
- Bisht, L., **Gupta, V.**, Singh, A., Gautam, A.S., and Gautam, S. (2022). Heavy metal concentration and its distribution analysis in urban road dust: A case study from most populated city of Indian state of Uttarakhand. *Spatial and Spatio-temporal Epidemiology*, 40:100470. <https://doi.org/10.1016/j.sste.2021.100470> (IF: 1.62; cite score: 3.5)
- Deep, A., **Gupta, V.**, Bisht, L. and Kumar, R. (2020). Application of WQI for water quality assessment of high–altitude snow-fed sacred Lake Hemkund, Garhwal Himalaya, Sustainable water Resources management, 6(5): 89 (<https://doi.org/10.1007/s40899-020-00449-w>)
- **Gupta, V.** (2018). Vehicle generated heavy metal pollution in an urban environment and its distribution in to various environmental components. In N.K. Goyal and V. Shukla, *Environmental concerns and sustainable Development*. Singapore: Springer https://doi.org/10.1007/978-981-13-5889-0_5 (Book Chapter)
- **Gupta, V.** and Arya, A.K. (2018) Distribution pattern of heavy metals in roadside soils along the major highways passing through Lucknow district, Uttar Pradesh, India. *International Journal of Advance Engineering and Research Development* 5(4): 479-497. <http://dx.doi.org/10.13140/RG.2.2.24355.71207>
- **Gupta, V.** and Arya, A.K. (2016). Demonstrating urban pollution using heavy metals in road dusts from Lucknow City, Uttar Pradesh, India. *Environment Conservation Journal*, 17(1&2): 137-146. <https://doi.org/10.36953/ECJ.2016.171215>
- Singh, J., Upadhyay, S.K., Pathak, R.K. and **Gupta, V.** (2011). Accumulation of heavy metals in soil and paddy crop (*Oryza sativa*), irrigated with water of Ramgarh Lake, Gorakhpur, UP, India. *Toxicological and Environmental Chemistry* 93(3): 462-473. <https://doi.org/10.1080/02772248.2010.546559> (IF:1.565)

PROJECT GUIDANCE

Co- project investigator in the Consultancy project entitled “Social and Environmental audit of STPs” under Namami Gange.

RESEARCH GUIDANCE

- **Ph.D.**
 - Lalita Bisht (Registration no LE-17257 on dated 16.11.2017): Ongoing
Topic- Study of heavy metal concentration found in road dust and its health risk assessment over Dehradun city, Garhwal Himalayas, India.
 - Akash deep : (Registration no LE-17260 on dated 18.11.2017): Ongoing
Topic- Biodiversity and Physico-chemical Attributes of Sacred Snow-Fed Lake Hemkund, Garhwal Himalaya
- **M.Sc. Dissertation: 20 Completed**

ORIENTATION, REFRESHER AND SHORT-TERM PROGRAMME

- Participated in “**Orientation Programme-122**” organized by UGC- Human resource Development Center, University of Lucknow, Lucknow during December 1 -31, 2015.
- Participated in “**Winter School (Refresher course)**” organized by UGC- Human resource Development Center, University of Lucknow, Lucknow during December 1-22, 2017.
- Participated in Short term course on “**Research Methodology**” organized by UGC- Human resource Development Center, Guru Nanak Dev University, Amritsar during 27.5.2017-2.6.2017.
- Short term course on “**Open Educational Resource in Higher Education: Prospects and Challenges**” organized by Faculty Development Centre under the PMMMNTT scheme of MHRD, Govt. of India at HNB Garhwal University, Srinagar Garhwal, Uttarakhand, during December 17-23, 2019.
- Participated in Online refresher course in Environmental Studies (Interdisciplinary) organized by UGC- Human resource Development Center, **Jawaharlal Nehru University**, during 20th September 2021 to 4th October 2021.
- One week online national workshop on “**Research Methodology & Application of SPSS on Primary Data**” held from 22nd to 28th October, 2021, organized by Swami Vivekananda Govt. P.G. College, Lohaghat, Champawat, Uttarakhand.

CONFERENCE, SYMPOSIUM AND WORKSHOP

- Participated in National Conference on “**Recent Developments in Plant and Earth Sciences**” held at Birbal Sahni Institute of Palaeobotany, Lucknow, during November 28-29, 2013.

- Participated in **Short term course study on “Water Cooperation”** organized by Rio +21 IYWC India Certificate programme (2013-14), IARC Centre for Science and Culture held at HNB Garhwal University, Srinagar Garhwal.
- Participated in workshop in **“Advance Training Programme on SPSS”** organized by Department of Statistics, HNBGU held at HNB Garhwal University, Srinagar Garhwal during January 30-31, 2014.
- Poster presentation in International Conference on **“Environmental Technology and Sustainable Development: Challenges & remedies”** held at Department of Environmental Science, BBAU, Lucknow during February 21-23, 2014.
- Poster presentation in International Conference on **“Plants & Environmental Pollution”** held at CSIR-national Botanical Research Institute (NBRI), Lucknow during February 24-27, 2015
- Participated in National Seminar on **“Microbes in Extreme Environments: Diversity and Translational Applications”** organized by Department of Botany & Microbiology, HNBGU held at HNB Garhwal University, Srinagar Garhwal during October 30-31, 2015.
- Participated in National Seminar on **“Climate Change, Resources, Bio-Diversity & Environmental Challenges: Issues and Strategies for Sustainable Development”** organized by Department of Geography, HNBGU held at HNB Garhwal University, Srinagar Garhwal during October 28-30, 2015.
- Participated in National Conference on **“ Relevance of Vedic Environmental Ethics in the Conservation of Contemporary Environment”** organized by Department of History, Ancient Indian History, Culture and Archaeology, HNBGU held at HNB Garhwal University, Srinagar Garhwal during March 4-6, 2016.
- Participated in the International Workshop-Training Programme on **“Climate Change, Himalayan Glaciology & Glacio-Hydrological Modeling”** held at HNB Garhwal University, Srinagar Garhwal during September 6-8, 2016.
- Paper presentation on **“Assessment of airborne particulate matter (PM₁₀ & PM_{2.5}) and associated metals in Haridwar, Uttarakhand, India”** in International Conference on **“Aerosols, Air Quality & Climate Change on Himalayan Region of Uttarakhand”** organised by department of Physics, HNB Garhwal University, Srinagar, Garhwal during October 21-23, 2018
- Paper presented on **“contamination assessment of potentially toxic heavy metals in road dust deposited in different types of urban environment over Dehradun city, Garhwal Himalayas”** Three-day online International conference on **“Aerosol, Air Quality, Climate Change and Impact on Water Resources and Livelihoods in the Greater Himalayas”** organized by Aryabhata Research Institute of Observational Sciences (ARIES), Nainital in collaboration with Department of Physics, H.N.B. Garhwal University (A Central University) Srinagar Garhwal, Uttarakhand, 14 - 16 September 2020
- Paper presentation on **“Spatial Distribution of Pollution Indexes of Heavy Metals in Road Dust Associated with Different Land-use Types in an Urban Cental Ganga Plain, India”** in

International Conference on New Horizons in Green Chemistry & Technology organised by Uttarakhand College of Applied and Life Sciences, Uttarakhand University, Dehradun during November 27-28, 2018.

- Paper presentation on **“Evaluating exposure of settled road dust along the national highway-8 with special reference to some potentially toxic metals and its implication on human health”** in International Conference on **“Aerosols, Air Quality & Climate Change over Himalayan Region of Uttarakhand”** organised by department of Physics, HNB Garhwal University, Srinagar, Garhwal during **November 4-6, 2022.**
- Invited lecture in the International workshop on **“Impact of Climate Change on Central Himalayan (Uttarakhand) Rural Landscape and Local/ Indigenous Knowledge and Adaptation Strategies”** organized by Department of Environmental Sciences, H.N.B. Garhwal University and sponsored by Asia-Pacific Network for Global Change Research held on 26 November 2022.



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