

Naureen Aurangzeb, Ph.D
Assistant Professor
Department of Environmental Sciences,
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PERSONAL PROFILE

Father's Name: Aurangzeb

Nationality: Pakistani

Postal Address: Department of Environmental Sciences, University of Haripur.

ACADEMIC RECORD

Certificate/ Degree	Subjects	Institution	Board/ University	Passing year	Marks obtained	Percentage/ Division
S.Sc	Pure Science	The City School, Karachi	B.S.E, Karachi	1994	612/850	72/1 st
F.Sc	Pre-Medical	Govt. Girls Degree College, Haripur	B.I.S.E ,Abbotabad	1997	688/1100	63/1 st
B.Sc	Botany, Zoology & Geography	Govt. Girls Degree College, Haripur	University of Peshawar	1999	366/550	67/1 st
M.Sc	Environmental Planning & Management	Department of Environmental Planning and Management	University of Peshawar	2002	739/1100	67/1 st
PGD	Natural Resource Management	Department of Environmental Sciences	University of Peshawar	2006	2.6/4	66
M. Phil	Environmental Biotechnology	Centre of Biotechnology	University of Peshawar	2007	3.7/4	76
Ph.D	Environmental Sciences	Department of Environmental Sciences	The University of Haripur	2020	3.82/4	

RESEARCH CONDUCTED

- ✓ **Ph.D:** Role of rhizoendobacteria in phytoremediation of heavy metals in contaminated soil of Hattar Industrial Estate, Khyber Pakhtunkhwa.
- ✓ **M.Phil:** Phytoremediation of heavy metals from selected steel industries effluent by the help of free- floating aquatic plants.
- ✓ **M.Sc:** Status of water-borne diseases in selected localities of Peshawar.

PROFESSIONAL RESPONSIBILITIES

- ✓ In Charge, Department of Environmental Sciences, University of Haripur (September 2012 - April 2014)
- ✓ Faculty Proctor, University of Haripur (2012- till date)
- ✓ Member, Central Admission Committee, The University of Haripur (2013)

- ✓ Member, Admission Committee, Department of Environmental Sciences, The University of Haripur
- ✓ Teaching at BS, M.Sc. and M.Phil. level
- ✓ Research Supervision at BS, M.Sc and M.Phil levels.

TEACHING EXPERIENCE

- ✓ Performing duties as Assistant Professor since 2012 in Department of Environmental Sciences, The University of Haripur.
- ✓ Worked as Lecturer in Department of Environmental Sciences, Hazara University from 2008-2012
- ✓ Served Department of Environmental Sciences, University of Peshawar as Lecturer from 2005 to 2008.

THESIS SUPERVISED

M. Phil.

1. A physico-social analysis of terrestrial invasive plants species in sub-tropical sub-humid tract of district Haripur. Saima Saleem (UH/CE/2018/S.S/M. Phil (88)/ 504).
2. Identification of invasive plant species and their potential role in ecological disturbance in Abbotabad district, Khyber Pakhtunkhwa. Muhammad Arif (UH/CE/2018/S.S/M. Phil (116) 594).
3. Vulnerability assessment of protected areas to exogenous and endogenous threats in Pakistan. Saima Qureshi. (UH/CE/2019/S.S/M. Phil (133)/ 663).
4. Microbiological quality assessment of drinking water in three selected areas of district Mansehra. (UH/CE/2019/S.S/M. Phil (137)/ 681).

Under Supervision

1. Physiological responses of local vegetation to dust pollution from stone crushing units in district Haripur.

M. Sc.

1. Contribution of fisheries in local economy of district Haripur.
2. Assessment of physico-chemical properties of soil irrigated with effluent from TMA in Tehsil Ghazi, District Haripur.
3. Correlation between poverty and deforestation in Tehsil Ghazi, District Haripur
4. Review of plants used for remediation of heavy metals from contaminated soil and water.
5. Study of hurdles in the adoption and implementation of environmental management system in food industry at Hattar Industrial Estate, Haripur.
6. Indigenous knowledge of medicinal plants in village Chajjian, District Haripur
7. Analysis of Community-Based forest management practices in village Chajjian, District Haripur
8. An analysis of the role of stakeholder in disaster management practices in Pakistan: A case study of flood, 2010.
9. Sustainability analysis of water supply and sanitation system in Havelian Cantonment., District Abbotabad
10. A case analysis of myths associated with the curing characteristics of water in District Haripur

11. Constraints and opportunities for agroforestry in District Haripur
12. Forest depletion and poverty nexus: A case study of deforestation in Khanpur forest subdivision, District Haripur
13. Environmental and socio-economic impacts of slaughterhouses in district Haripur
14. Impact of waterborne diseases on socio-economic status in district Haripur
15. Impact of industrial effluents on soil quality in and around Hattar Industrial Estate-Haripur
16. Comparative analysis of heavy metal uptake ability of selected vegetables using effluent stream of Hattar Industrial Estate, Haripur
17. Indigenous medicinal plant conservation practices in Miadam valley, Swat.
18. Pallas Valley: A biodiversity hotspot.
19. Status of ambient air quality in Hayatabad Industrial Estate, Peshawar.

BS (Hons.)

1. Comparative analysis of physicochemical parameters of drinking water from government and private schools of Hassanabdal.
2. Isolation of rhizoendophytic bacteria from contaminated soils of Hattar Industrial Estate, Haripur
3. Phytoextraction of nickel from contaminated soils of Hattar Industrial Estate, Haripur.
4. Species diversity of rhizoendophytic bacteria in plants growing in Cadmium contaminated soils of Hattar industrial Estate, Haripur.
5. Comparative analysis of environmental impacts of stone crushing industries in Taxila, district Rawalpindi-Pakistan.
6. Impact of marble industry effluents on water and soil water quality in Dewana Baba, Buner- KP.
7. Management of wastewater by using aquatic macrophytes at bioremediation orchids of NARC, Islamabad.
8. Impact activities of mining activities on herbaceous plants in selected sites of Margalla Hills, Islamabad.

RESEARCH PUBLICATIONS

1. **Aurangzeb, N.**, Irshad, M., Hussain, F. and Mahmood, Q. 2011. Comparing heavy metals accumulation potential in natural vegetation and soil adjoining wastewater canal. *J. Chem. Soc. Pak.*, Vol. 33, No. 5. 661-665.
2. Khan, S., Khan, A., Mohiuddin, M., Irshad, S., **Aurangzeb, N.**, Fawad, M. and Shah, W. 2013. Impacts of land cover changes on soil physical properties in Galliyat- Pakistan. *International Journal of Recent Scientific Research*. Vol. 4(3): 216-220.
3. Rasheed, H., Rasheed, B. **Aurangzeb, N.**, Khan, A and Hussain, A. 2013. Comparative Analysis of *Hydrocotyle umbellata*, *Pistia stratiotes* and *Eichhorina crassipes* for the Removal of Contaminants in Domestic Wastewater. *International Journal of Recent Scientific Research*. Vol. 4 (6):2868-2872.
4. Farid, M., Irshad, M., Fawad, M., Eneji, A. E. and **Aurangzeb, N.** 2014. Effect of Cyclic Phytoremediation with Different Wetland Plants on Municipal Wastewater. *Inter. J. Phytorem.* Vol. 16:572–581.

5. **Aurangzeb, N.**, Nisa, S., Bibi, Y., Javed, F. and Hussain, F. 2014. Phytoremediation Potential of Aquatic Herbs from Steel Foundry Effluent. *Braz. J. Chem. Engg.* Vol. 31, (4): 881-886.
6. Javed, F., Manzoor, S., Khattak, A., **Aurangzeb, N.**, Saleem, A., Habib, D., and Khan, S. N. 2015. NS3-4A and NS4A proteins of hepatitis C virus regulate the apoptotic proteins expression in Huh-7 cells. *Inter. J. Biosci.*
7. Khan, I., **Aurangzeb, N.**, Zia, M., and Nisa, S. 2016. Isolation and identification of heavy metal tolerant bacteria from Volta battery effluent, Hattar, Haripur Pakistan. *Pure Appl. Biol.* 5(4): 719-726.
8. Siddique, Z., Nisa, S., Shah, G. M., Khan, A., Naz, A., Khan, S., **Aurangzeb, N.**, Khan, S. M., Farid, A., Mohiuddin, M. 2016. Exploration of floristic diversity of Khanpur valley, District Haripur, Khyber Pakhtunkhwa. *J. Bio. & Env. Sci.* 9(3): 57-72.
9. Sabiha, Sabir, M., **Aurangzeb, N.**, Khan, A., N. Sobia. 2017. Health risk assessment and estimation of heavy metal Cd, Cr and Pb in drinking water of district Swat, Khyber-Pakhtunkhwa, Pakistan. *J. Bio. & Env. Sci.* 10 (6): 258-265.
10. Saleem, S., **Aurangzeb, N.**, Naz, A., Nisa, S., Rizwan, M., Manzoor, K. N., Zaib, A. Javed, F. 2017. A physico-social analysis of terrestrial invasive plants species in sub-tropical sub-humid tract of district Haripur. *J. Bio. Env. Sci.* 11(5), 46-50.
11. Khan, A., Khan, M. A., Naz, A., Khan, A. and **Aurangzeb, N.** 2018. Impact of Air Pollution on Growth of Lichens in Miandam Valley Swat, Pakistan. *BIOLOGIA (PAKISTAN)* PKISSN 0006 – 3096.
12. **Aurangzeb, N.**, Khan, A., Nisa, S. Nazish, M., Khan, M.M., Khurshid, A., Naz, A and Ahmed, T. 2020 Growth enhancement and cadmium uptake efficiency in *Medicago sativa* by endophytic bacteria isolated from *Dathura innoxia*. *Fresenius Environmental Bulletin.* 29 (4):2134-2143.

FIELD EXPERIENCE

- ✓ Field work in N-W.F.P for the project on Local Tools for Governance and Community Monitoring in Pakistan. A Joint Venture of NRB and CIET.
- ✓ Field work in N-W.F.P for the Project Social Audit on Abuse against Women. A joint venture of Ministry of Women Development and CIET.
- ✓ Data collection from Kacha Garhi regarding water-borne diseases and sanitary conditions and awareness of residents about water pollution.
- ✓ Data collection from Infectious Disease Unit (IDU) at Khyber Teaching Hospital Peshawar, regarding water-borne diseases.

CERTIFICATE COURSES

- ✓ Post graduate diploma in Natural Resource Management (NRM) from Department of Environmental Sciences, University of Peshawar.
- ✓ GIS (Geographic Information System) software Arc View and IDRISI.

TRAINING/WORKSHOPS/SEMINARS ATTENDED

- ✓ Attended 05 days Workshop on Faculty Development Training Program
- ✓ Participated in workshop titled 'Academic Research and Writing' at University of Haripur.

- ✓ Attended one day seminar on Disaster Management organized by IE, Lahore and N-W.F.P UET- Peshawar.
- ✓ Attended a certificate course organized by Higher Education Commission (HEC) on Teachers Training on Environment.

EXTRA-CURRICULAR ACHIEVEMENTS

- ✓ 3rd position in Golden Jubilee Quiz Competition
- ✓ Member of SAVIOUR, Blood Donor Society, University of Peshawar
- ✓ Member of Science Society, University of Peshawar
- ✓ Organizer of Frontiers Foundation (Welfare & Blood Society)
- ✓ Organizer of Society for Protection and Conservation of Environment (SPACE), Department of Environmental Sciences, University of Peshawar.

REFERENCES

Will be provided as and when required