

NAVEEDULLAH

Associate Professor

Department of Water Resources Management
The University of Agriculture, Peshawar, Pakistan
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RESEARCH INTEREST:

Irrigation and drinking water quality assessment, Risk assessment of organic and inorganic pollution in soil and water environment.

PERSONAL:

- Date of Birth: September 15, 1975
- Place of Birth: Khyber Pakhtunkhwa, Pakistan
- Citizenship: Pakistani

EDUCATION:

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| 2010 - 2014 | Ph.D. Environmental Engineering, Zhejiang University P.R. China |
| 1998 - 1999 | M.Sc. (Hons.) Agriculture (Water Management), NWFP Agricultural University, Peshawar, Pakistan |
| 1994 - 1998 | B.Sc. (Hons.) Agriculture (Water Management), NWFP Agricultural University, Peshawar, Pakistan |

TRAININGS/WORKSHOPS/SHORT COURSES COMPLETED:

1. **Poverty Alleviation through Sustainable Agriculture Development**, Bara Gli. (3 Days)
2. SPCS-IV Modular Training Program **"Principles and Practices in Sustainable Development"** Module I, LEAD House, Islamabad (5 Days)
3. **Project Proposal Development**, IUCN-SPCS Support Project Peshawar. (3 Days)
4. **Water, Dams & Development**, National Library of Pakistan, Islamabad. (One day)
5. **National Programme for Improvement of Water courses in Pakistan**. University of Engineering and Technology Peshawar, (One Month)
6. **Teaching & Learning in Higher Education**, Higher Education Commission, Pakistan (3 Months).
7. **International Computer Driving License (ICDL)**, HEC and wrITe (pvt) (One day)
8. **Agricultural Research and Methodology**, Department of Agronomy NWFP Agricultural University, Peshawar and British Council Islamabad. (4 Days)
9. **PC-I Development**, Planning and Development NWFP Agricultural University Peshawar. (3 Days)

10. **Presiding Officers**, National Elections in Pakistan, UNDP & Election Commission of Pakistan. (One Day)
11. **Understanding the Use of Internet and Up Keeping the Networking System**, Planning and Development NWFP Agricultural University Peshawar. (3 Days)
12. **Research Report Writing and Presentation in Plant Sciences**, Department of Agronomy NWFP Agricultural University, Peshawar. (One Week)
13. **Water Quality under the project “Strengthening Department of Water Resources Management”**, HEC (HRD Component) Department of Water Management, NWFP Agricultural University, Peshawar. (10 Days)
14. **Advance Research Techniques and Research Management in Life Sciences**, Department of Agronomy NWFP Agricultural University, Peshawar (3 Days)
15. **Documentation and Dissemination of Sustainable Land Management Technologies and Approaches Using (WOCAT) Tools**, Integrated Mountain Development (ICIMOD). Katmandu, Nepal associated with Interco operation, Peshawar, Pakistan (One Week)
16. International Student Conference on **“Environment and Sustainability”** Tongji University Shanghai, P.R. China. (4 Days)
17. **Surface Irrigation With WinSRFR**, IMWI-Pakistan and USDA at NARC, Islamabad (2 Days)
18. **Flow Measurement With WinFlume**, IMWI-Pakistan and USDA at NARC, Islamabad (One Day)
19. **Project Formulation Workshop**, Pakistan Science Foundation at the University of Agriculture, Peshawar (2 Days)
20. **Remote Sensing Applications in Water Management**, Department of Water Management, The University of Agriculture Peshawar (One Week)
21. Research Tools and Techniques: **“SPSS & Research Methodology”** The University of Agriculture, Peshawar, Pakistan. (Two Days)
22. **The Effect of Climate Change on Rainfall Pattern and Existing Rainwater Management in Khyber Pakhtunkhwa**, The University of Agriculture, Peshawar. (One Day)

AWARD:

1. **Merit Scholarship** (2010-2014) for PhD studies (P.R. China), Higher Education Commission, Govt. of Pakistan.

PROFESSIONAL EXPERIENCE:

Apr. 2019 – Present	Associate Professor , Dept. of Water Management, The University of Agriculture, Peshawar, Pakistan
Jan.2012 – Apr. 2019	Assistant Professor , Dept. of Water Management, The University of Agriculture, Peshawar, Pakistan
Nov. 2005 – Jan. 2012	Lecturer , Dept. of Water Management, The University of Agriculture, Peshawar, Pakistan
Jan. 2005 – Nov. 2005	Water Management Officer , Directorate of On-Farm Water Management, Govt. of NWFP, Pakistan
Jan. 2002 – Dec.2004	Community Organizer , Dept. of Water Management, The University of Agriculture, Peshawar, Pakistan

PROJECTS/CONSULTANCIES:

- How to Enhance Communities Through Exploring the Effects of Climate Change on the Rainfall Patterns, and Existing Rainwater Management and Livelihood Practices of Communities in Khyber in Khyber Pakhtunkhwa Province?

COURSES TAUGHT:

POSTGRADUATE	• Water Quality Management, • Water Harvesting, • Drainage and Salinity Management,
UNDERGRADUATE	• Hydrology • Hydrometry • Watershed Management • Participatory Water Management • Agricultural Drainage • Economics of Water Resources • Fundamentals of Water Management

LECTURES DELIVERED AS RESOURCE PERSON:

1. Popular Science Lecture on “**Water Quality**” at GHSS Pakha Ghulam Peshawar, Organized by Pakistan Science Foundation, Science Caravan KPK Unit.
2. Popular Science Lecture on “**Water Quality**” at GHSS Charsadda, Organized by Pakistan Science Foundation, Science Caravan KPK Unit.

RESEARCH SUPERVISED:

- 02 Ph.D. scholars as Member Supervisory Committee:
- 04 M.Sc. (Hons.) students as Major-Supervisor/Chairman Supervisory Committee:
- 10 M.Sc. (Hons) students as Co-Supervisor/Member Supervisory Committee:
- 10 B.Sc. (Hons) students as Internship Supervisor

PUBLICATIONS:

A. Publications in Peer Reviewed Journals:

1. Jehan, S., T. Sarwar, Naveedullah, S.K. Khattak and M.J. Khan. 2024. Climate change and its impact on water resources of selected areas in district Chitral with high climatic vulnerabilities. *Sarhad Journal of Agriculture*, 40(4): 1424-1435.
2. Soomro, K., S. Alaghamand., S. Andriyas., A. Talei., M. Khan and Naveedullah. 2021. Soil salinity and economic analysis of Bitter Gourd (*Momordica charantia* L) production using drip irrigation method. *Sarhad Journal of Agriculture*, 37 (2): 511-520.
3. Ismail, M., T. Ahmad, S. Ali, S. Ali, N.U. Haq and Naveedullah. 2020. Heavy metals (Pb and Ni) pollution as affected by the brick kilns emissions. *Sarhad Journal of Agriculture*, 36 (3): 1001-1009.
4. Ali, S., M.J. Khan, Z. Shah, Naveedullah and A. Jalal. 2019. Genotypic screening of maize (*Zea mays* L.) for salt tolerance at early growth stage under different salinity levels. *Sarhad Journal of Agriculture*, 35(1): 208-215.
5. Malik. A., A.S. Shakir., Naveedullah., M. J. Khan., M. Latif., M. S. Khattak., T. A. Khan. 2018. Interactive Effect of Deficit Irrigation and Mulching on Sugar Beet Productivity in Pakistan. *Pak J. Bot.*, 50 (5): 1775-1783
6. Malik. A., A.S. Shakir., M. J. Khan., Naveedullah., M. Latif., M. Ajmal., S. Ahmad. 2018. Effects of Different Mulching Techniques On Sugar Beet Performance Under Semi-Arid Subtropical Climatic Conditions. *Pak J. Bot.*, 50 (3): 1219-1224
7. Khan. M.J., A. Malik, M.S. Khattak, Naveedullah, N. Ijaz and I. Ahmad 2018. Status of water table depths and water quality in district karak, Khyber pakhtunkhwa province of Pakistan. *Sarhad Journal of Agriculture*, 34(2): 282-290.
8. Ali. S., S. Khan., M. J. Khan., N. Ullah, M. Rashid., W. Ahmad. 2018. Screening of Various Bread Wheat (*Triticum aestivum* L.) Varieties in Different Saline Soils on the Basis of Emergence and Plant Height. *Sarhad J. Agric.* 34 (3): 563-568
9. Naveedullah., M. Z. Hashmi, C.Yu, C. Shen, Niaz. M, S. Hui, Y. Chen. 2016. Water Quality Characterization of the Siling Reservoir (Zhejiang, China) Using Water Quality Index. *Clean – Soil, Air, Water*, 44 (5): 553–562
10. Rahman. M. U., I. Ahmad, N. U. Amin, M. Alam, G. Ayub, A. M. Khattak, M. A. Khan, Rahmatullah, Asadullah, S. M. Shah, N. Ahmad, I. Hussain, M. Naeem, S. Ahmad, Naveedullah, S. A. Q. Gilani, I. H. Khan. 2016. Performance of Different Marigold Varieties Under Agro-Climatic Condition of Peshawar (*Tagetes Erecta*). *International Journal of Advanced Research and Review (IJARR)*, 1(12): 20-27
11. Ara. N., Naveedullah, C. Ding, J. Yang, Z. Hu, M. Zhang. 2015. Inhibition of the alternative respiratory pathway at high temperatures leads to higher reactive oxygen species production and down regulation of the antioxidant defense system in squash leaves. *Plant Growth Regul.* DOI 10.1007/s10725-015-0118-y
12. Yaseen. T., W. Ullah., M. Ahmad., Naveedullah., K. Ali., Abdullah., M. Amin. 2015. Effect of Tillage and Weed Control Methods on Weeds Density and Tomato (*Lycopersicon esculentum*) Productivity. *Pak. J. Weed Sci. Res.*, 21(2): 153-161, 2015
13. Hashmi. M. Z., Naveedullah., C. Shen. 2014. Hormetic Responses of Food-Supplied pcb 31 to Zebrafish (*danio rerio*) Growth. Dose-Response, (Prepress), DOI: 10.2203/dose-response.14-013.
14. Hashmi. M. Z., K.Y. Khan., J. Hu., Naveedullah., X. Su., G. Abbas., C. Yu., C. Shen. 2014. Hormetic Effects of Noncoplanar PCB Exposed to Human Lung Fibroblast Cells (HELFI) and Possible Role of Oxidative Stress. *Environ. Toxicol.* DOI 10.1002/tox
15. Hashmi. M. Z., Naveedullah., H. Shen., S. Zhu., C. Yu., C. Shen. 2014. Growth, bioluminescence and

- shoal behavior hormetic responses to inorganic and/or organic chemicals: A review. *Environ. Int.* 64:28-39.
16. Naveedullah., M. Z. Hashmi., C. Yu., H. Shen., D. Duan., C. Shen., L. Lou., Y. Chen. 2014. Concentrations and Human Health Risk Assessment of Select Heavy Metals in Surface Water of Siling Reservoir Watershed in Zhejiang Province, China. *Pol. J. Environ. Stud.* Vol. 23, No. 3.
 17. Duan. D., M. Wang., M. Yu., D. Long., Naveedullah., T. Liu., J. Shi., Y. Chen. 2013. Does the compositional change of soil organic matter in the rhizosphere and bulk soil of tea plants induced by tea polyphenols correlate with Pb bioavailability? *J. Soils Sediments* DOI 10.1007/s11368-013-0674-6
 18. Naveedullah, M. Z. Hashmi., C. Yu., H. Shen, D. Duan, C. Shen, L. Lou, Y. Chen. 2013. Risk Assessment of Heavy Metals Pollution in Agricultural Soils of Siling Reservoir Watershed in Zhejiang Province, China. <http://dx.doi.org/10.1155/2013/590306>
 19. Tang. X., Naveedullah., M. Z. Hashmi., H. Zhang., M. Qian., C. Yu., C. Shen., Z. Qin., R. Huang. 2012. A Preliminary Study on the Occurrence and Dissipation of Estrogen in Livestock Wastewater. *Bull. Environ. Contam. Toxicol.* DOI 10.1007/s00128-012-0912-4
 20. Tang. X., Naveed Ullah., C. Yu., Z. Qin., R. Huang., X. Zhu., C. Shen., Y. Chen. 2012. Chemical and Bioassay Analysis of Estrogen Pollution in the Surface Water of the Tiaoxi River, the Source River for Taihu Lake. *Bull. Environ. Contam. Toxicol.* DOI 10.1007/s00128-012-0758-9
 21. Baig. S. A., X. Xu., Naveedullah., N. Muhammad., Z. U. Khan., B. Nawab., Q. Mahmood., R. Khan. 2012. Pakistan's Drinking Water and Environmental Sanitation Status in Post 2010 Flood Scenario: Humanitarian Response and Community Needs. *J. of App. Sci. Environ. Sani.* 7 (1): 49-54
 22. Khan. F., K. Ejaz., M. Ramzan., Z. Shah., Naveedullah., M. Sharif., M. Afzal., M. J. Khan. 2012. Extent of Nutrient Deficiencies and Degradation of Selected Soil Properties in Water Eroded Soils of District Muzaffarabad (Azad Jammu and Kashmir), Pakistan. *Sarhad J. Agric.* 28(4) , 2012
 23. Khan. F., A. Iqbal., Naveedullah., M. K. Khattak., W. J. Zhou. 2011. Physico-chemical properties and fertility status of water eroded soils of Sharkul area of district Mansehra, Pakistan. *Soil Environ.* 30(2): 137-145
 24. Khattak. I. A., Naveedullah., M. Abbas., P. I. Paracha., S. Khan. 2008. Prisoners Women and Children- From Nutrition Perspective. *Sarhad J. Agric.* 24 (1): 123-127
 25. Khan. G. D., M. Tariq., M. Shah., D. Khan., M. Zubair., Naveedullah. 2008. Chemical Properties of Salt Affected Soil and Yield of Sugarcane in Relation to Water table Depths in Mardan SCARP area. *Sarhad J. of Agri.* 24 (4): 629-634
 26. Alam. S. S., M. Ahmad., S. Alam., A. Usman., M. I. Ahmad., Naveedullah. 2007. Variation in garlic varieties for reaction to natural infection of puccinia wint and alternaria porri clif at swabi, NWFP. *Sarhad J of Agri.* 23 (1): 149-152
 27. Khattak. S. G., I. Haq., A. Malik., M. J. Khattak., Naveedullah. 2007. Effect of Various Levels of Gypsum Application on the Reclamation of Salt Affected Soil Grown Under Rice Followed by Wheat Crop. *Sarhad J. of Agri.* 23(3): 675-680
 28. Sarwar. T., S. M. Bilal., Naveedullah., M. J. Khan., J. Tariq. 2007. Management of Small-Scale Water Logging through Surface Drain Maintenance. *Sarhad J of Agri.* 23(2): 399-405
 29. Khan. M. J., G. D. Khan., O. Ullah., M. Z. Khan., Naveedullah. 2007. Sediment Load Assessment of Small Embankments Dams in Southern Regions of NWFP. *Sarhad J of Agri.* 23(2): 391-398
 30. Rehman. H., G. D. Khan., A. R. Tariq., Naveedullah. 2007. Application of Modflow to Develop Strategies for the Possibility to Establish an Irrigation System in Spaira Ragha Plain, NWFP. *Sarhad J of Agri.* 23(2): 377-383

31. Khan. G. D., M. Shah., M. Tariq., M. Z. Khan., Naveedullah. 2007. Impact of Water Table Depths on the Physical Properties of Salt Affected Soils and Yield of Sugarcane in Mardan Scarp area. Sarhad J of Agri. 23 (2): 351-356
32. Khan. G. D., Naveedullah., A. Milk., M. K. Khattak. 2005. Assessment of General Performance Indicator of Irrigation Supply and Demands and their Impacts on Major Crop Yield in a Controlled Subsurface Drainage area of Mardan Scarp. Sarhad J of Agri. 21(3): 425-436

B. Publications in Workshop/Seminar Proceedings:

1. Khan. M. J., S. M. Bilal., M. J. Khan., Naveedullah. 2004. Effect of Different Management Strategies on Wheat Yield under Waterlogged Soil Condition. Proceedings of 3rd National Drainage Programme. Vol-I.
2. Khan. M. J., M. N. Khan., M. J. Khan., Naveedullah. 2004. Response of Sunflower to Different levels of Sulfur. Proceedings of 3rd National Drainage Programme. Vol-II
3. Khan. M. J., Naveedullah., M. J. Khan., S. M. Bilal. 2004. Effect of Different Management Strategies on Yield of Cotton at Surizai Peshawar. Proceedings of 3rd National Drainage Programme. Vol-II

C. Technical Report:

- Sarwar, T., S.I. Kazmi and Naveedullah. 2017. The Effect of Climate Change on Rainfall Pattern and Existing rainwater Management in Khyber Pakhtunkhwa.

CONVENER / MEMBER OF COMMITTEES:

1. *Member, Proctorial Board, The University of Agriculture, Peshawar (2014 to date)*
2. *Focal Person, Directorate of Quality Assurance (2015 to date)*
3. *Member, Editorial Board, Sarhad Journal of Agriculture (2019 to date)*
4. *Member, Board of Studies in Water Resources Management (2018 to date)*
5. *Member, Board of Studies in Agricultural Mechanization (2019 to date)*
6. *Member, Oversight Committee on Green Youth Movement (Feb. 2022 to date)*
7. *Additional Director, Office of Research Innovation and Commercialization (ORIC) (March 2025 to date)*

REFERENCES

Available upon request