

CURRICULUM VITAE (CV)

Basic Information

Name of Expert:	MOHAMMAD NAFEES
Position Title	Professor at the department of Environment Science, UOP
Date of Birth:	10-03-1968
Citizenship	PAKISTANI
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Education

College/University/Institute	Completion Year	Degree/Diploma Obtained
University of Peshawar, Pakistan.	2008	Doctor of Philosophy (PhD) in Environmental Sciences with specialization in Soil Resource Conservation
University of Peshawar, Pakistan.	2004	Master of Philosophy (MPhil) Environmental Sciences with specialization in Water Quality
University of Peshawar, Pakistan.	1992	Master of Science (M.Sc) in Environmental Planning & Management
Government Degree College, Malakand, Pakistan	1989	Bachelor of Science (B.Sc) in Geography, Chemistry & Botany

Membership of professional Association/bodies:

- Member Editorial Board, Journal of Science and Technology, University of Peshawar
- Life Time member of Peshawar University Teacher Association, University of Peshawar
- Life Time Member of Peshawar University Teacher's Foundation (PUTF), University of Peshawar
- Life Time Member of Academic Council, University of Peshawar
- Member of Advance Study Research Board for Social Sciences, University of Peshawar

Language skills: (1 - excellent; 2-very good; 3- good; 4-fair; 5 - basic)

	Speaking	Reading	Writing
Pashto	Native Language		
English	Good	Good	Good
Urdu	Good	Good	Good

Other skills (e.g. Computer literacy, etc.): Use of Pollution Control Technology (PCT) and other equipment of instrumental analysis for environmental monitoring, Full command on SPSS & Microsoft Office etc.

Specific experience in the region & Cross Cultural Exposure:

Country	From...to
Pakistan	1995 - Present
Nepal	Field Mission for a World Bank Assisted project, "Environmental Protection and Resource Conservation Project (EPRCP), in 1997
Canada	Field Mission for a project of Micro Nutrients Initiation for implementation and monitoring of Iodized Salt in Pakistan, 2009-10
Afghanistan	Environmental Study of Pak-Afghan economic corridor 2018-19
Burn University Switzerland	Completed Field oriented study on Alpine pasture.

Working Experience at Peshawar University

1. Lecturer : 1.1.1995 to 20.03.2009
2. Assistant Professor: 21.03.2009 - 7.02.2011
3. Associate Professor: 8.02.2011- 16. 06.2014
4. **Professor 17.06.2014 – to date**

Total Teaching experience till January 2020, 25 years

Administrative Experience

1. Two years' experience as member of Proctor board, University of Peshawar
2. Two years' experience as coordinator of Science Society, University of Peshawar
3. Three years' experience as a Team leader in landless pastoralist research project (LPRP) for 3 years
4. Five years' experience as coordinator/team leader in monitoring and evaluation of Madayan - Chakdara Road (Sharif Abad-Kanju Section and Shamoza - Dadara Section).
5. One year experience as a coordinator/team leader in Khyber Garden Housing Scheme, Nowshera.
6. Two years' Experience as **Managing Director (MD)**, Peshawar University Teachers' Foundation (PUTF), University of Peshawar.

Working Experience with National and International Organization

1. Bacha Khan Education Trust, Peshawar, Teacher's manual on Climate Change and Adaptation to Climate Change for Class 7th and 8th.
2. Bern University, Switzerland, Landless Pastoralist Research Project (2009-12)
3. Micro-Nutrient Initiative and Ministry of Health Canada to establish on Lion GIS facility (2010-11)
4. World Bank and Ministry of Environment: Worked in "Environmental Protection and Resource Conservation Project (EPRP), (1994-99).
5. International Union for Conservation of Nature and Natural Resources (IUCN), Pakistan and completed study of Kabul River (1991-94).

Professional Level Project/Studies Completed with National/International Firms

1. IUCN and NORAD Assisted Project "Pollution and the Kabul River: An Analysis and Action Plan, University of Peshawar", 1991-93.
2. World Bank Assisted Project "Environmental Protection and Resource conservation Project (EPRCP, Pak-2383), 1993-1999" to establish GIS laboratory in the department of Environmental sciences UOP.
3. Five Years EIA training, organized by Environmental Protection Agency, Peshawar, 2003-2008
4. EIA of Grid station for Water and Power development Authority (WAPDA), Pakistan 2005-

2006

5. Water Quality Study conducted by Aab, Islamabad during 2004-05
6. Landless Pastoralist Research Project (2009-12), sponsored by Bern University, Switzerland
7. 2008-09, Establishment of on-line GIS facility for Micronutrient Initiative (MI), Canada and Ministry of health.
8. 2008-09, Environmental Feasibility Study of Nitiagali Housing Scheme, Dhana.
9. 2009-10, EIA of Amin Paper Mill, Hattar.
10. 2009-10. EIA of Consumer line Steel Re-rolling Mill, Peshawar.
11. 2010-11. IEE of Khyber Garden Housing Scheme, Nowshera.
12. 2011-13 Monitoring of Water Quality & Noise) for Rehabilitation of Chakdara Madyan Road (Sharif Abad-Kanju Section)
13. 2013-14 Monitoring of Water Quality & Noise) for Rehabilitation of Chakdara Madyan Road (Shamozai - Dadara Section)
14. IEE of Muslim Education City, Azakhail, Nowshera.
15. Climate Change related Risk and vulnerability assessment: Construction of border crossing facility at Torkham. 2019

List of Publication

A. International Publications

1. Mohammad Rasul Jan, **M. Nafees** and Others. (2003). Determination of Pesticide Contents in Selected Soil and Water Samples” American Laboratory, pp 21-22.
2. Jasmin S., Rasul M.J., **M. Nafees** Noureen S., and Noureen B. (2005) Monitoring Pesticides Residues ion Fresh Fruits Marketed in Peshawar, Pakistan. American Laboratory, pp 22-23.
3. **M. Nafees**, Rasul J.M. and Hizbullah K. (2008), Pesticide use in Swat Valley, Pakistan: Exploring remodel measures to mitigate environmental and socio-economic impacts. Mountain research and development, 28(¾): 201-204.
4. **M. Nafees**, Hizbullah K. and Rasul J.M. 2009. Circulatory Land Tenure and Its Social and Ecological Impacts: A Case Study of AlladandDheri Village in Northern Pakistan. Mountain research and development, 9(1): 1-8.
5. Shams A. B., QaisarMahmood, B. Nawab, A. Hussain and **M. Nafees**. (2010). Assessment of Seasonal Variations in Surface Water Quality of Chitral River, North West Frontier Province (NWFP), Pakistan. World Applied Sciences Journal (<http://www.idosi.org/wasj/indexing.htm>), 9 (6): 674-680.
6. **M. Nafees**, Rasul Jan, M. andZahidullah, Z. (2012) ‘Community response to ban on fishing and associated environmental problems: lesson learnt from River Swat, North of Pakistan’, Interdisciplinary Environmental Review, 13(2/3):158–169.
7. **Nafees, M.**, Zahid, Z and Naz, R. 2012. Study of Steel Re-rolling Mill for Mitigation Measures with Special Reference to Water Recycling. International Journal of Recent Scientific Research, 3(9)747-752.
8. **M. Nafees**, Khan, S.Z., Sifatullah, S. and Rowidullah R.R. (2013) ‘Study of vehicular emissions with reference to Pakistan’s National Environmental Quality Standards: case study of District Swat, North of Pakistan’, Interdisciplinary Environmental Review, Vol. 14, No. 1, pp.86–96.
9. Rahib Hussain, Shehla Sattar, Muhammad Haya Khan, **Muhammad Nafees**. 2013. Low Cost Wastewater Treatment at Beverage Industry, Hattar Industrial Estate, Pakistan - A Case Study. International Journal of Environmental Protection Nov. 3(11):23-28
10. Sifatullah, S., **Nafees, M.** and Khan, S.Z. (2014) ‘Role of road side plantation in mitigating vehicular emission: a case study of district Swat, Pakistan’, Interdisciplinary Environmental Review, Vol. 15, No. 1, pp.36–47.
11. Inam-ur-Rahim, Muhammad Khurshid, Henri Rueff, **Muhammad Nafees** and Daniel Maselli. 2016. Crop encroachment over alpine pastures in the Himalayan Mountains of

- northern Pakistan: Socio-economic implications for pastoral communities. *Range Mgmt. & Agroforestry* 37(1):93-97.
12. Wahid Ullah, Takaaki Nihei, **Muhammad Nafees**, RahmanZaman, Muhammad Ali, (2017) "Understanding climate change vulnerability, adaptation and risk perceptions at household level in Khyber Pakhtunkhwa, Pakistan", *International Journal of Climate Change Strategies and Management*, <https://doi.org/10.1108/IJCCSM-02-2017-0038>.
 13. Syed Aziz Ur Rehman ,Yanpeng Cai1, **Mohammad Nafees**, Gordhan Das Walasai, NayyarHussainMirjat, Wajid Rashid. 2017. Overcoming Electricity Crisis in Pakistan: An Overview of the Renewable Energy Status and Development in Pakistan. *Journal of Environmental Accounting and Management*, 5(4)350-376
 14. Waqas Qasim, Byeong Eun Moon,*MalineePhonsuwan, Jin Seok Jo, Min Ho Lee, **Mohammad Nafees**, and Hyeon Tae Kim, 2017. Effects of an Aluminum sulfate and Ferric chloride Blend on Poultry Litter Characteristic. *Journal of Applied Poultry Research*
 15. Adila Bashir, **Mohammad Nafees** and Nazish Khan (2017), Study of Chattri Dam for Selected Metal Concentrations in Water, Sediments and Fish Species. *Agriculture Research & Technology: Open Access J.* 2017; 10(3):555788. DOI: 10.19080/ARTOAJ.2017.10.555788.
 16. NazishHuma Khan* and **Mohammad Nafees**. 2017. Comparative Study of Copper Accumulation and Distribution in Soil of Selected Orchard and Non-Orchard Fields. *Agricultural Research & Technology: Open Access Journal*, 7(3):555713. ODI: 10.19080/ARTOAJ.2017.07.555713.
 17. Waqas Qasim1, Min Ho Lee1, ByeongEun Moon1, Frank Gyan Okyere1, Fawad Khan1, **MohammadNafees**, and Hyeon Tae Kim(2018). Composting of chicken manure with a mixture of sawdust and wood shavings under forced aeration in a closed reactor system. *International Journal of Recycling of Organic Waste in Agriculture* <https://doi.org/10.1007/s40093-018-0212-z>.
 18. Nisar Muhammad, **Mohammad Nafees**, RahibHussain, Muhammad HayaKhan,ShahJehan&UbaidUll. 2018. Pollution and energy reduction strategy in soft drink industries. *Journal of Environmental Science and Pollution Research*. DOI 10.1007/s11356-018-2861-x
 19. Nisar Muhammad, **Mohammad Nafees**. 2018. Spatial distribution and pollution source (s) apportionment in adjacent tributaries of River Panjkora. *Journal of Biodiversity and Environmental Sciences (JBES)*, 12(5) 367-380
 20. **Nafees Mohammad**, Fawad Ahmad, Muhammad Naeem Butt Muhammad and Khurshid Muhammad Khurshid.2018.Effects of water shortage in Kabul River network on the plain areas of Khyber Pakhtunkhwa, Pakistan. *Journal of Environmental Monitoring and Assessment* DOI: 10.1007/s10661-018-6730-3
 21. Muhammad SulemanBacha, **Mohammad Nafees** and Muhammad Muhammad. 2018. Flooding as precursor of climate variability: causes and damages of 2010 flood event in District Swat, Pakistan. *Journal of Climate Change*, 4(16),642-651.
 22. **Mohammad Nafees** and Nisar Muhammad.2018. Geo-chemical investigation and health risk assessment of potential toxic elements in industrial wastewater irrigated soil: A geo-statistical approach. *Journal of Biodiversity and Environmental Sciences* 12(5) 367-380.
 23. Muhammad SulemanBacha, **Mohammad Nafees**, Umar Hayat, AsimNawab, Wajid Rashid, Muhammad Muhammad, and Tariq Khan. 2018. Evaluating the Local Perceptions of Climate Change Vulnerability in Hindukush Himalayan region of Pakistan. *World Journal of Environmental Biosciences*, 7(2) 10-19.
 24. Muhammad SulemanBacha, **Mohammad Nafees**, Syed Adnan. 2018. Farmers Perceptions about Climate Change Vulnerabilities and their Adaptation Measures in District Swat. 34(1) 1-16. DOI | <http://dx.doi.org/10.17582/journal.sja/2018/34.2>
 25. **Mohammad Nafees**, Shams Ali Baig, Sauqa Zahid. 2018. Investigation of Chemical Composition and Nutritional Values of Pulp and Paper Mill Sludge Compost. *Scientific*

- and technical journal (TECHNOGENIC AND ECOLOGICAL SAFETY), 4(2): 112-120. DOI: 10.5281/zenodo.1471177
26. W. Rashid, I. Rahim, **M. Nafees**, S. A. U. Rehman, M. Khurshid, and J. Shi1. 2019. Making Goat Herders as Scape Goats for High-Altitude Pasture Degradation: A Case Study of Haripur - Naran Pastoral System In Northern Pakistan. *The J. Anim. Plant Sci.* 29(4):2019.
 27. Syed Aziz Ur Rehman, YanpengCai, NayyarHussainMirjat, Gprdhan Das Walasaie. And **Mohammad Nafees**. 2019 .Energy-environment-economy nexus in Pakistan: Lessons from a PAK-TIMES model.126(1): 200-211
 28. Muhammad Khurshid, **Mohammad Nafees**, Abdullah Khan, MehmetSomuncu, Ashfaq Ahmad Khan, Wajid Rashid. 2019. Socio-political and ecological stresses on traditional pastoral systems: A review. *J. Geogr. Sci.* 2019, 29(1): 1-13
 29. Waqas Qasim, ByeongEun Moon, Frank GyanOkyere, Fawad Khan, **Mohammad Nafees**&Hyeon Tae Kim. 2019. Influence of aeration rate and reactor shape on the composting of poultry manure and sawdust, *Journal of the Air & Waste Management Association*, 69:5, 633-645, DOI: 10.1080/10962247.2019.1569570
 30. Ullah, W., **Nafees, M.**, Khurshid, M., & Nihei, T. (2019). Assessing farmers' perspectives on climate change for effective farm-level adaptation measures in Khyber Pakhtunkhwa, Pakistan. *Environmental monitoring and assessment*, 191(9), 547.
 31. Muhammad, N., Nafees, M., Khan, M. H., Ge, L., & Lisak, G. (2020). Effect of biochars on bioaccumulation and human health risks of potentially toxic elements in wheat (*Triticum aestivum* L.) cultivated on industrially contaminated soil. *Environmental Pollution*, 113887. <https://doi.org/10.1016/j.envpol.2019.113887>
 32. **Nafees, Mohammad**, & Farukh Khan. (2020). Pakistan's Response to COVID-19 Pandemic and Efficacy of Quarantine and Partial Lockdown: A Review. *Electron J Gen Med.* 2020; 17 (6): em240. <https://doi.org/10.29333/ejgm/7951>
 33. **Nafees Mohammad**, Lala RukhLala RukhFarukh KhanFarukh Khan.2020 .Potential Economic Impacts of COVID-19 on Tourism Industry of Pakistan: A Review. *Gaziantep University Journal of Social Sciences* 2020 Special Issue 601-611. DOI: 10.21547/jss.740036
 34. Nazish Huma Khan, Tooba Saeed, Abdul Naeem, **Mohammad Nafees** and Ruidar Ali Shah. 2020. The Novel Coronavirus Outbreak, A risk of Pandemic and A Challenge to the World. *Cohesive Journal of Microbiology & Infectious Disease.* 4(1). CJMI. 000579. 2020. DOI: 10.31031/CJMI.2020.04.000579.
 35. Nazish Huma Khan, **Mohammad Nafees**, Tooba Saeed, Abdullah Khan and Adila Bashir. 2020. Accumulation and Translocation of Micro-Nutrients in Soil and Plants of Orchard and Non-Orchard Fields. *Pakistan Journal of Science and Industrial Research* 63B(3):187-198
 36. Nazish Huma Khan*, **Mohammad Nafees** and Tooba Saeed. 2020. A Gate-to-Gate Life Cycle Assessment of Match Industry for Wood Consumption and Wood Waste Generation. 7 (5): 832-837. DOI: 10.31031/EAES.2020.07.000671.
 37. Muhammad Haya Khan, **Nafees Mohammad**, Nisar Muhamma, Ubaid Ullah, Muhammad Bilal. 2021. Assessment of Drinking Water Sources for Water Quality, Human Health Risks, and Pollution Sources: A Case Study of the District Bajaur, Pakistan. *Archives of Environmental Contamination and Toxicology.* 80(1), 41-54. DOI: 10.1007/s00244-020-00801-3.
 38. Nazish Huma Khan, **Mohammad Nafees**, Tooba Saeed, Fazli Zuljalal and Ruidar Ali Shah.2021.The Pandemic Outbreak and Mortality Associated with Coronavirus Disease-19 in US and European Countries. *Cohesive journal of Microbiology and infectious Disease*, DOI: 10.31031/CJMI.2021.04.000596.

Publication in National Journals (HEC recognized)

39. Sardar K., and **M. Nafees**. (2002) Enhancement of Agricultural Production through Sustainable Agriculture in Kot, (Malakand Agency) Pakistan” Pakistan Journal of Applied Sciences, 2:584–588.
40. **Nafees M.**, Rasul J.M., Hizbullah K., and Ashgar A. (2008) Status of texture and required associated soil conservation measure of river Swat catchments area, NWFP, Pakistan, Sharhad journal of Agriculture, NWFP, Agriculture University Peshawar, 24(2):251-259.
41. **Nafees M.** and Hizbullah K. (2009). Study of Role of Collective Community Efforts (Ashar) in Minimizing Pesticides, Lower Swat, North Pakistan, Pakistan. Journal of Humanity and social sciences, University of Peshawar. XVII (1): 72-79.
42. **Nafees M.**, M.R. Jan, K. Hizbullah, N. Rasheed, F. Khan.2009. Soil Contamination in Swat Valley Caused by Cadmium and Copper. Sarhad Journal of Agriculture, Peshawar, 25(1): 38-43.
43. **Nafees M.** and M.R. Jan. 2009. Determination of Cypermethrin and Endo-sulfan residues in soil of Swat Valley and its possible impact on aqua and apiculture, Journal of Soil and Environmental Sciences, Faisalabad, 28(2): 1-6.
44. Wajid A, **M. Nafees**, M. Ijaz and K. Latif. 2010. Arsenic Contamination of Groundwater in Dadu District, Sindh Province, Southern Pakistan. Journal of Science and Technology, University of Peshawar, 34(1): 43-50.
45. **M. Nafees**. 2010. Role of Kabul River in Socio-economic Activities and Associated Environmental Problems. Journal of Area Study Center, University of Peshawar, 67: 101-112.
46. **Nafees M.**, W. Shah, H. Khan, Z. Zahidullah. 2010. Study of Paper Mill for Water Recycling, Hayaabad Industrial Estate, Peshawar. Journal of Science and Technology, University of Peshawar, 34(1): 29-36.
47. **M. Nafees**, W. Shah, and Zahidullah. 2010. Study of Paper Mill for End-of-Pipe Treatment with Pulp Recovery. Journal of Science and Technology, University of Peshawar, 34(2):23-28.
48. Zahidullah and **M. Nafees**. 2010. Investigation on Water Mill (CharsiJranda) Constructed on wastewater Drain (GandaErab) in Relation to Pollution Mitigation. Journal of Science and Technology, University of Peshawar, 34(2):53-58.
49. **M. Nafees**, T. Ahmad and M. Arshad. 2011. A review of Kabul River Uses and Its Impact on Fish and Fisherman. Journal of Humanities and Social Sciences, University of Peshawar, XIX(2): 73-84.
50. Sifatullah, Haider Khan, **Muhammad Nafees**,Zahid Ali, Rowaidullah and Amjad Ali. 2011. Comparative study of effect of compost tea (aerated and non-aerated) of agro sieved waste on germination and biomass yield of maize, mungbean and cauliflower. Journal of Science and Technology, University of Peshawar, 35(1&2): 31-38.
51. Rashid Ahmad, **Mohammad Nafees**, Abdullah Khan.2012.Pilot Study for investigating the status of used engine oil, its reuse and recycling in Peshawar. Journal of Science and Technology, University of Peshawar, 35(1&2): in press.
52. **Mohammad Nafees**, Nazish Khan, Shah Rukh and Adila Bashir, 2013. Analysis of rock and sea salt for various essentials and inorganic elements. Journal of science and Technology, 37(1): 09-20.
53. Muzafar Ahmad Khan, **Mohammad Nafees** and Shah Nawaz Khan. 2013. Environmental Monitoring of Housing Scheme with Special Reference to Drinking Water Quality. Journal of science and Technology, 37(1): 47-54.
54. Waqas Ahmad, SobiaNisa, **Mohammad Nafees**and RahibHussain. 2013. Assessment of particulate matter (PM10 and PM2.5) and associated health problem in different areas of cement industry, Hatttr,Haripur. 37(2): 7-16.
55. **Mohammad Nafees**, Bushra Khan, RubinaNaz, 2013. Study of occupational health safety in steel re-rolling mill with reference to high noise level and temperature. Journal of engineering and applied science, 32(1): 41-46.

56. **Mohammad Nafees** and Asma Amin. 2014. Evaluation of Heavy Metals Accumulation in Different Parts of Wheat Plant Grown on Soil Amended with Sediment Collected from Kabul River Canal. *Journal of Agriculture Research*, 52(3): 383-394.
57. Rahib Hussain¹, Waqas Ahmad, **Muhammad Nafees** and Aayed Hussain. 2014. Optimization of Wastewater Treatment Process in Industry: A Case Study of Hattar Industrial Estate Haripur. *Pakistan Journal of Analytical and Environmental Chemistry*. Vol. 15, No. 1 (2014) 28 – 34.
58. Wisal Shah, **Mohammad Nafees**, Mohammad Iqbal, 2015. Evaluation of Marble Slurry Waste for Preparation of Commercial Grade Cement. *Journal of Engineering and Applied Science*, 34(1):27-36.
59. **Mohammad Nafees**, Asim Nawab, Wisal Shah. 2015. Study on the performance of Wastewater Treatment Plant Designed for Industrial Effluent. *Journal of Engineering and Applied Science*, 34(1):49-58.
60. Rahib Hussain¹, Aayed Hussain, Asadullah, Shehla Sattar¹, Madeeha Zeb, Amjad Hussain¹, and **Muhammad Nafees** 2015 Physico-chemical Properties and Assessment of Edible Oil Potential of Peanuts Grown in Kurram Agency, Parachinar. *Pakistan Journal of Analytical and Environmental Chemistry*. Vol. 15, No. 1 (2015) 45 – 51.
61. Nazish Huma Khan*, **Mohammad Nafees** and Adila Bashir. 2016. Study of Heavy Metals in Soil and Wheat Crop and their Transfer to Food Chain. *Sarhad Journal of Agriculture*, 32(2):70 -79.
62. Wajid Ali, **M. Nafees**. 2015. Nitrate and other major ions concentration in the ground water of Mardan and vicinity. *Journal of science and technology*, 39(2):1320.
63. Muhammad Khurshid, **Muhammad Nafees**, Inam-ur-Rahim and Wajid Rashid. 2016. Impacts of Agriculture Land use Changes on Mobile Pastoral System in Naran Valley of Western Himalayan Northern Pakistan. *Sarhad Journal of Agriculture*, 32(3)1:7.
64. **Mohammad Nafees**, Zahidullah and Wisal Shah. 2015. Evaluation of land protection project with focus on the need for environmental impact assessment and public participation: A case study of district Malakand, Khyber Pakhtunkhwa. 22(1):41-53.
65. **Shafiullah Shafi, Mohammad Nafees** (2017) “Municipal Wastewater Treatment Through Coagulation/Flocculation Processes By Optimize Dose And Settling Time” *Journal of Engineering And Applied Sciences (JEAS)*, Vol 36, No 1 (in press, available on line).
66. **Wisal Shah, and Mohammad Nafees (2017)**. Consumer’s Response towards Eco-Friendly Products: Evaluation of Dish Washing Detergent Powder Prepared from Waste Marble Slurry. *Journal of science and technology*, 40(1):1-8.
67. Imtiaz Ahmad, Abdullah Khan, **Mohammad Nafees**, and Shams Ali Baig (2017). Comparative Analysis of Aquaculture and Agriculture industries from the Provision of Sustainable Livelihood in District Swat, Northern Pakistan. *Journal of science and technology*, 40(1):59-68.
68. Saeed Rehman, Muhammad Adnan, Muhammad Iqbal and **Mohammad Nafees** (2017). Working efficiency of waste water treatment facility in Hayatabad industrial estate, Peshawar. *Journal of science and technology*, 40(2):41-52.
69. Muhammad Khurshid, **Muhammad Nafees**, Mehmet Somuncu. (2016). Understanding the role of agriculture encroachment in pastoral resource degradation in Western Himalaya of Northern Pakistan. Under review in *Sarhad Journal of Agriculture*, 33(2):298-305.
70. **Mohammad Nafees**, Nazish Huma Khan, Nimra Noor, Sadaf and Farooq Ahmad. 2017. Reduction in Organic Waste through Recovery from Waste Paper Recycling Mill Pak. *J. Anal. Environ. Chem.* 18(2):136 – 142.
71. Nafees Mohammad and Mohammad Naem Butt. 2017. Review of Ghani Khan’s poem Poem Chengi (Insects) and Rachel Carson’s Silent Spring: An eco-centric academic perspective. *TAKATOO* 9(1): 41-47

72. Shabir Ahmad Khan & **Mohammad Nafees**. 2018. Construction of Dams on Kabul River And Its Socio-Economic Implications For Khyber Pakhtunkhwa, Pakistan. Central Asia Journal 83(1)1-18.
73. Wajid Ali, **Muhammad Nafees**, Syed Ali Turab, M. Younis Khan, Khaista Rehman. 2019. Drinking water quality assessment using water quality index and geo statistical techniques, Mardan District, Khyber Pakhtunkhwa, Pakistan. Journal of Himalayan Earth Sciences, 52(1):65-85.
74. Wisal Shah and **Nafees Mohammad**. 2020. Trans-Boundary Water Conflict between Pakistan and Afghanistan and need of Water Treaty on Kabul River. International Review of Basic and Applied Sciences 8(4): 1-9

B. Local Journals (HEC non-recognized)

75. **Nafees M.**, K Ghulam and M. Sardar. 2002. Investigation of Chemical and Ecological evaluation of Adezai River” Peshawar University Teachers Association (PUTAJ), 9:77-82.
76. Khan S., S.Rehman and **M. Nafees**. (2002) Sewage Water Pollution and Treatment Facilities in Peshawar, Pakistan” Peshawar University Teacher Association (PUTAJ), 9:95-102.
77. **Nafees M.** and Z. Zahidullah(2009). Social Aspects of Reforestation on Communal Land: A Case Study of Tara-Gat Mountain, Lower Swat. Pakistan Journal of Forestry 59(1):20.29.
78. **Nafees M.** and A. Asghar. 2009. Forest Fire Event in Swat Valley. Journal of Pakistan Plant science, University of Peshawar, 15(1): 31-37.
79. **Nafees M.**, Zahidullah. 2009. Trend of Farm Forestry in Lower Swat Region NWFP, Pakistan. Journal of Peshawar University Teacher Association, 16(1):29-39.
80. Zahidullah and **M. Nafees**. 2010. Effect of Amangrah Industrial Estate on Water Quality of Kabul River, Khyber Pakhtunkhwa, PUTAJ, University of Peshawar, 17(1):83-92.
81. **Nafees M.**, Z. Zahidullah and K. Ghulam. 2010. Status of Iron and Manganese in Soil of Swat Valley. 2010. PUTAJ, University of Peshawar, 17(1):63-71
82. **Nafees M.**, K. Ghulam, Zahidullah. 2011. Use of Kabul River as source of Drinking water. Submitted to Peshawar University Teacher Association Journal (PUTAJ), 18:15-27.
83. **Nafees, M.** and K. Hizbullah. 2012. Evaluation of various soil extraction methods for essential heavy metals in selected samples of different texture collected from Swat Valley. 12(1):127-38.

PhD level Studies completed

1. Robina Naz, 2016. Evaluation of Environmental Impact Assessment (EIA) Process and Its Role in Mitigating Industrial Pollution
2. Wishal Shah, 2016. Study of Marble Processing units for possibility of Cleaner Production (CP) and Waste Management.
3. Muhammad Suliman Bacha. 2017. Study of Swat Valley for adaptation to climate change.
4. Muhammad Khurshid, 2017. Impacts of Pastoral Livelihood Diversification in Alpine Pastures of Naran Valley Northern Pakistan.
5. Nazish Huma, 2018. On-Site Waste Management and Industrial Symbiosis of Hayatabad Industrial Estate, Peshawar, Pakistan.
6. Muhammad Nisar. Study of contaminated soil and its treatment with biochar of adjacent area of Gadoon Amazai industrial estate, Swabi, Khyber Pakhtunkhwa
7. Sara Nawaz Khan, Study on the Synergistic Effect of Barseem crop and Mycorrhiza against Heavy Metals Irrigated with Wastewater
8. Hina, Remediation of Hayatabad industrial waste water for agricultural purpose employing Gamma irradiation
9. Adila Bashir Evaluation of compost prepared from chemically altered litter
10. Malghalara, Study of Old Solid Waste Dump Site For Landfill Mining

M.Phil level Students Supervised

1. Benish Safdar. 2021. Wastewater treatment and its onsite recycling for steel re-rolling mill
2. Liala Sumbal. 2021. Evaluating the integrated solid waste management practices in the mountainous urban area of district Dir-Upper
3. Ahsan Kamran, 2017 Environmental Study of Gomel Zam Dam South Waziristan, FATA, with special reference to fish farming.
4. Hameeda Sultan, 2017 **Environmental Study of Urban Slum of Peshawar City**
5. Muhammad Tariq , 2017 Study of Agriculture Land and Water Management System in Karimabad, District Hunza
6. Sonia Rafiq, 2016. Study Of Bird Aircraft Strike Hazard At Peshawar Airport In Relation To Solid Waste And Different Tree Species
7. Fawad Ahmad, 2016 Environmental Study of Wetlands Of Warsak Dam With Reference to Changes in Land Use Pattern.
8. Imtiaz Ahmad, 2016. Study of River Swat for potential of Aquaculture as a Source of Sustainable Livelihood
9. Rashid Ahmad, 2015 Re-use and Recycling Status of used Engine Oil in Peshawar City Khyber Pakhtunkhwa, Pakistan
10. Nazish Huma Khan. 2014. Study of copper level in soil and crops of selected orchard and non-orchard fields of district Chakdara.
11. Adila Bashir. 2014. Study of Chatri dam for mitigation pollution and siltation.
12. Abida Usman, 2014. Study of Kabul River gravity canal for suspended load management and mitigation measures
13. Saiqa Khan, 2014. Environmental Study Of Solid Waste Dump Sites In Peshawar City With Special Reference To Re-Use And Recycling
14. Neelam Asad. 2014. Environmental Study of Automobile Workshops In Peshawar City For Waste Generation, Re-Use And Recycling.
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2. Shabnam Javaid and Junaid Afridi 2018. Physico chemical analysis of Bara River
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14. Tariq Jamil and Tausif Hussain. 2014. Monitoring of marble industry at Chakdar, District Dir-Lower.
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32. Madiha Yaseen and Huma Iqbal, 2010-11. Study of Cable Manufacturing Industry, Hayatabad Peshawar with Special Reference to Recycling and Re-use,
33. Nisar Muhammad, 2010-11. Waste Water Treatment and its Recycling of Pepsi Industry, Hayatabad Industrial Estate, Peshawar
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40. Humma Zaman and Saiqa Khan , 2008-09. Study of PEPSI Industry, Hayatabad Industrial Estate in the light of clean processing
41. Aysaha Aziz, 2008-09. Study of paper Recycling g and Clean Processing: A case study of Olympia Paper Mill Hayatabad Industrial Estate, Peshawar
42. Hafisa Khan and Isma Batool, 2008-09. Plastic Recycling
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53. Wajid Rashid, M. Shabir and Safullah, 2006-07. Assessment of socio-economic conditions and drinking water quality of Tangi-Tehsil District Charsada
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57. Mehir un Nisa and Naseem Akhtar, 2006-07. Study of Provincial Sustainable Development Fund, Environmental Protection Agency, NWFP-Pakistan.
58. Rafiullah, 2006-07. Physiochemical analysis of sugarcane soil district Charsada, NWFP
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75. Irfan Ashraf Qazi, 2000-01. Impact of forest cover in Bunner District NWFP, Pakistan
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