

Dr Muhammad Mohiuddin

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OBJECTIVE

To work with challenging and reputable organization that will offer ample opportunities for diverse experience, increasing levels of responsibilities and professional growth and gain more experience and knowledge to render better services to the organization.

ACADEMICS

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| ▪ PhD (Environmental Sciences), COMSATS University Islamabad (2016-2021) | 3.43 CGPA |
| ▪ MS (ES), Bahria University, Islamabad (2012-2014) | 3.38 CGPA |
| ▪ BS (Hons.), Hazara University, Peshawar (2008-2012) | 3.92 CGPA |

PROFESSIONAL EXPERIENCE

- **Assistant Professor (IPFP)**, November 2021 to Present
(Kohsar University Murree)
- **Consultant**, December 2015 to Present
(Freelance)
- **Research Associate**, March 2016 to March 2019
(HEC funded NRPU Project)
- **Field Officer**, September 2013 to August 2015
(Bedari Pakistan)
- **Trainee Environment**, February 2013 to August 2013
(WWF-Pakistan)

PROJECTS

- Assessment of Cotton Agro-biodiversity in five districts of Pakistan funded by WWF-Pakistan and executed by SEM Private Limited.
- Socio-economic Impact Assessment of the Service Road South, Islamabad with Zeeruk International Pvt. Ltd and Capital Development Authority.
- Social Assessment and Safeguard Survey and Ecological Baseline of Malir Expressway with Zeeruk International Pvt. Ltd and Government of Sindh.
- Socio-economic Impact Assessment and Biodiversity Action Plan of IJP road with Zeeruk International Pvt. Ltd and Capital Development Authority.
- Socio-economic Impacts Analysis and Biodiversity Action Plan of Rawalpindi Ring Road (RRR) with Zeeruk International Pvt. Ltd funded by Asian Infrastructural Investment Bank (AIIB) and executed by Rawalpindi Development Authority.
- Spatial Mapping of the Persistence Organic Pollutant (POPs) in KPK with SEAL Pakistan funded by UNDP-Pakistan and Ministry of Climate Change (MoCC)
- Boundary demarcation of Margalla Hill National Park by using GIS tools.
- Spatial and Temporal mapping of Mercury and Methyl Mercury originated from shipbreaking yards-Gadani Pakistan funded by University of Copenhagen, Sweden.
- Land use and land cover classification of Abbottabad district by using Land Sat. imagery.
- Spatial and Temporal mapping of iodine content in soil of Abbottabad district.

- Impacts of CPEC road (Abbottabad to Mansehra) on the flora density and diversity and human population.
- Impact of vehicular emission on the plant growth and nutrient uptake in District Haripur.
- Socio-economic Impact of CPEC on the agricultural productivity: A case study of Haripur to Mansehra Junction.
- Impact Assessment of GPAF project along Central Indus Wetland Land Complex funded by DFID UK.
- Socio vulnerability assessment of fishermen communities along central Indus Wetland Complex by WWF-Pakistan
- Assessment of water and fisheries Status in Southern Punjab District (Mugfar Garh, Mianwali, Layyah, Bakhar and Attock) funded by PFFF.

PUBLICATIONS

1. Ashraf Mahmud Rayed, Muhammad Atiq Ur Rehman Tariq, Mizanur Rahman, A.W.M.Ng, Md. Khairul Alam Nahid, Mahibuzzaman, Wazed Al Islam and **Muhammad Mohiuddin**, An analysis of driving behavior in Bangladesh considering physiological, cultural, and socioeconomic variables, (2022), Sustainability (Accepted)
2. Sumera Bibi, Muhammad Irshad, **Muhammad Mohiuddin**, Sadaf Sher, Muhammad Atiq ur Rehman Tariq, Anne W.M. Ng, Distribution of phosphorus fractions in orchard soils in relation to soil properties and foliar P contents, (2022), Sustainability, 14(7), 3966
3. Jawad Ali, Yang Li , Enxiang Shang , Xinjie Wang , Jian Zhao , **Muhammad Mohiuddin** , Xinghui Xia (2022). Aggregation of graphene oxide and its environmental implications in the aquatic environment. Chinese Chemical Letters.
4. Akhtar Hussain Lashari, Naeem Ali, **Muhammad Mohiuddin**, Jawad Ali, SanaUllah, Safdar Ali Ujjan, Khadim Hussain Memon, Khalid Hussain Rind, (2022), Estimation of water quality parameters of Rawal lake and its associated tributaries, Polish Journal of Environmental Studies Vol. 31, No. 3, 1-7.
5. Aqsa Zaheer Asim, Zahid Hussain, Jawad Ali, Sumera Bibi , **Muhammad Mohiuddin**, Muhammad Irshad (2022). A social survey on health implications of iodine deficiency in women and children in hilly areas of Pakistan. Journal of healthcare in developing countries (jhcdc), 1(4), 56-61.
6. **Muhammad Mohiuddin***, Jawad Ali, Megersa Kebede Leta, Muhammad Waseem, Muhammad Irshad, & Zahid Hussain (2021). Estimation of Iodine Leaching in Soil Amended with Organic and Inorganic Materials Using Hydrus 1-D Model. Sustainability, 13(19), 10967.
7. **Muhammad Mohiuddin**, Qian Yu & Gaoyue Si, Muhammad Irshad, Mohamed Farig, Zahid Hussain & Lei Duan1 (2021). Availability of iodine from acidified soil after manure amendments. Arabian Journal of Geosciences, 14(18), 1-8.
8. **Muhammad Mohiuddin**, Muhammad Irshad, Mohamed Farig, & Muhammad Shahzad, (2021). Extractability of iodine from soils using different methods in relation to soil properties. Arabian

- Journal of Geosciences, 14(5), 1-9.
9. Hina Abbasi, Munir Hussain Shah, **Muhammad Mohiuddin**, Mohamed Soliman Elshikh, Zahid Hussain, Jawaher Alkahtani, Waheed Ullah, Mona S Alwahibi, Arshad Mehmood Abbasi (2020). Quantification of heavy metals and health risk assessment in processed fruits' products, Arabian Journal of Chemistry. 13(12), 8965-8978.
 10. **Muhammad Mohiuddin**, Muhammad Irshad, Zahid Hussain, An Ping, & Adnan Ahmed Tahir. (2019). Leachability of iodine from soils of different land uses as affected by selected amendments. Environmental Engineering & Management Journal (EEMJ), Vol. 18, No. 9, 2095-2103.
 11. **Muhammad Mohiuddin**, Muhammad Irshad, An Ping, Zahid Hussain & Muhammad Shahzad (2019) Bioavailability of iodine to mint from soil applied with selected amendments, Environmental Pollutants and Bioavailability, 31:1, 138-144. DOI: 10.1080/26395940.2019.1588077.
 12. Zeeshan Siddique, Ghulam Mujtaba Shah, Hiwa M. Ahmed, **Muhammad Mohiuddin**, (2019). Ethnophytotherapy Practices for Wound Healing among Populations of District Haripur, KPK, Pakistan,” Evidence-Based Complementary and Alternative Medicine. <https://doi.org/10.1155/2019/4591675>.
 13. Samina Shabbir Raja, Zeeshan Siddique, Aneel Gilani, Mushtaq Ahmad, Muhammad Zafar, **Muhammad Mohiuddin**, 2018, Traditional phyto-remedies for wounds healing used by local community of Tehsil Kahuta, District Rawalpindi, Pakistan Int. J. Biosci. 12(4), 241-254, April, <http://dx.doi.org/10.12692/ijb/12.4.241-254>
 14. Zeeshan Siddique, Sobia Nisa, Ghulam Mujtaba Shah, Abdullah Khan, Alia Naz, Salman Khan, Noureen Aurangzeb, Shah Masaud Khan, Abid Farid, **Muhammad Mohiuddin**, (2016). Exploration of floristic diversity of Khanpur valley, District Haripur, Khyber Pakhtunkhwa, Pakistan. J. Bio. Env. Sci. 9(3), 57-72,
 15. Salaman Khan, Abdullah Khan, **Mohiuddin Zia**, Samina Irshad, Wisal Shah, (2013). Impacts of land use and land cover changes on soil's physical properties in Galliyat, International Journal of Recent Scientific Research, 4(3):216-220.

ACHIEVEMENTS

- Passed National Faculty Development Programm Training with 89% in 2021.
- Awarded International Research Support Initiative program for Tsinghua University for 6 months funded by Higher Education Commission of Pakistan in 2018.
- Won CIIT/CRGP Research Project amounting RS 0.3 million in 2017.

CONFERENCES

- **Muhammad Mohiuddin**, Muhammad Irshad and Jawad Ali, (2019), Evaluating Adsorption of Iodine by Chinese Soils Treated with Manures under Acidic Conditions, 8th International Conference: Environmentally Sustainable Development – ESDev-VIII.
- **Muhammad Mohiuddin**, Muhammad Irshad, An Ping, Jawad Ali, (2019), Digital Mapping of Iodine Contents in Soils of District Abbottabad, 8th International Conference: Environmentally Sustainable Development – ESDev-VIII.
- Ali,J, Lughmani. S. K., **Mohiuddin. M**, Hussain. Z. & Irshad. M., (2017), Prevalence of Iodine in Soils of Hazara Division and its Relationship with Soil Properties, International Conference Environmentally Sustainable Development, Vol:1; p.p: 38.
- **Mohiuddin.M**, Qadar.A, Rehman.Z, Saleem.A,Shakoor.A,Sarwar.F., (2015), Flood Vulnerability Index of Communities Along Central Indus Wetland complex, ICMCC, Vol 1 (63)(Conference Paper)

- **Mohiuddin.M**,Qadar.A,Rehman.Z,Saleem.A,Shukoor.A,Sarwar.F., (2015), Mapping of physical Characteristics of Flood near Taunsa Barrage, ICMCC, Vol 1 (64) (Conference Paper)
- Iftikahar.A.R, Irshad.A, Khan.Z, **Mohiuddin.M**, Saleem.A.K., (2011), Health impacts of particulate matters emitted from the vehicles in Haripur city, 4th International Conference Environmentally Sustainable Development. Vol:1;p.p:83.

PROFESSIONAL SKILLS & ATTRIBUTES

- Proficient in Microsoft office
- Origin 2020
- Urdu Inpage
- SPSS
- HEC RAS
- ArcGIS
- QGIS
- Global Mapper

REFERENCES

Will be furnished upon request