

Neelum Ali, PhD

Assistant Professor (IPFP)

Department of Environmental & Conservation Sciences,

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Current Academic Appointment

Assistant Professor, Department of Environmental and Conservation Sciences, University of Swat, Pakistan (from 11th April 2019).

University Education and Academic Degrees Awarded

PhD in Environmental Sciences at the **University of Peshawar, KP, Pakistan** (2018)

Dissertation Title: Application of biochar in reducing the levels of pesticide residues in contaminated soils and food crops: a strategy to minimize health risks.

MS in Environmental Sciences, at **University of Peshawar, KP, Pakistan** (2013).

Dissertation Title: Pesticide residues in drinking water of district Peshawar, Nowshera and Charsadda and their related human health risks.

BS in Environmental Sciences, at the **University of Peshawar, KP, Pakistan** (2008).

Dissertation Title: Distribution, status and Conservation of Markhor (*Capra falconeri*) in Pakistan.

International publications and Patents (Total Impact Factor = 18.143)

Neelum Ali, Sardar Khan, Huaiying Yao, Juan Wang. **2019**. Efficacy of different biochars in reducing bioaccessibility and (bio)uptake of organochlorine pesticides into vegetables grown in agricultural soil, and soil microbial community dynamics. **Chemosphere**. 224, 805-815.

Neelum Ali, Sardar Khan, Yaying Li, Ningguo Zheng, Huaiying Yao. **2019**. Influence of biochars on the accessibility of organochlorine pesticides and microbial community in contaminated soils. **Science of the Total Environment**. 551-560.

Neelum Ali, Sardar Khan, Kalsoom, Ihsanullah, Inayat ur Rahman, Said Muhammad. **2019**. Human health risk assessment through consumption of organophosphate pesticide-contaminated water of Peshawar basin, Pakistan. 2018. **Exposure and health** 1-14.

Neelum Ali, Sardar Khan, Muhammad Amjad Khan, Muhammad Waqas, Huaiying Yao. **2019**. Endocrine disrupting pesticides and their health risk through ingestion of vegetables grown in Pakistan. **Environmental Science and Pollution Research**.

Neelum Ali; Kalsoom; Sardar Khan; Samiullah; Ihsanullah; Muhammad Noor. Health risk assessment of Endocrine Disruptors in Pakistan" (under review in International Journal of Environmental Research).

Neelum Ali, Sidra Bibi, Shahla. Impact of climate change on cropping pattern in foot hills of the Himalaya, Pakistan (under review).

Patent

Sardar Khan and **Neelum Ali**. A Novel Method for Remediating Contaminated Soil (in pipeline).

Previous work experience

Senior Visiting Scholar, Institute of Urban Environment, Chinese Academy of Sciences, China (from 14th May 2016 to 29th May 2017).

Visiting Lecturer, Department of Environmental Sciences, University of Swat (from 1st Feb 2014 to 30th July 2015).

Intern, Pakistan Council for Scientific and Industrial Research Labs. Complex, Peshawar under National Internship Program (7th April 2010 to 6th April 2011).

Intern, Pakistan Forest Institute, Peshawar (10th June to 30th August 2008).

Lab Experience

Extraction/analyses of organic contaminants from environmental media, Gas chromatography Mass spectrometry, Molecular Techniques e.g. DNA extraction and high-throughput sequencing/Next Generation Sequencing, Gel Electrophoresis, Genomic PCR, RNA extraction PCR Amplification, Real Time PCR, ELISA, sequencing PCR, Spectrophotometry, Extraction and Analysis of Phospholipid-derived fatty acids.

Conferences/Workshops/Trainings

One-day workshop on 'Intellectual Property Rights (IPRs): Drafting and filling of Patent application', University of Peshawar (13th Oct 2017).

Two-day conference on '5th International Water Conference 2019' held at University of Haripur, Pakistan (15th Jan, 2019).

Conference on 'CPEC: Peace and Development in Khyber Pakhtunkhwa', University of Peshawar, Pakistan (23rd January, 2018).

Three-day International Conference on 'Global Environmental Change and the Role of Geographers' held in Baragali summer campus of University of Peshawar, Pakistan (25-27th July, 2017).

One-day workshop on 'Updation of the Revised environmental Profile of Khyber Pakhtunkhwa', organized by EPA, Peshawar (16th March 2016).

One-day training on "Urban Environmental Issues" conducted by Urban Policy and Planning Unit, P & D Department, Peshawar (7th May, 2015).

Three-day training on "Computer aided design of urban infrastructure and civil 3D" conducted by Urban Policy and Planning Unit, P & D Department, at PARD, Peshawar (16-18th March, 2015).

Review/refereeing

Working as a reviewer for different journals,

Chemosphere

Environmental Technology & Innovation

Environmental Monitoring and Assessment

Environmental Science and Pollution Research

Journal of Plant growth Regulation

Food and Chemical Toxicology

Air, Water and Soil Research

Countries Resided In/Visited

Qatar (13 Years), China (01 Year), Saudi Arabia, Iran, UK.

References

Will be provided on request