
Dr.Nimra Afzal

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Profile

- Worked on different facets of environmental health issues in Pakistan under the umbrella of Transnational Education Programme Development (British Council).
- Worked on effects of Biological, Chemical and Physical hazards in the environment on human and Ecosystem health.
- Involved in assessment of air pollutants in different urban and rural residential houses, classrooms and hospitals, emissions from different fuel types and the various ventilation practices in Pakistan and UK.
- Member of the Aerosol Society, UK and Environmental Protection department UK (EPUK).

Achievements

- Awarded International research support initiative program (**IRSIP**) during PhD
- Awarded Doctoral program coordination committee (**DPCC**) merit-based Scholarship in M.S Zoology
- Ranked among top 5 student in M.S Zoology

Education

<i>University of the Punjab, Lahore, Pakistan</i> PhD Zoology	4.0 CGPA	2021
<i>University of the Punjab, Lahore, Pakistan</i> M.S Zoology	3.83 CGPA	2012-2014
<i>University of the Punjab, Lahore, Pakistan</i> B.S Zoology (4year)	3.41 CGPA	2008-2012
<i>Board of Intermediate & Secondary Education, Lahore</i> F Sc Pre Medical	872/1100 A	2006-2008
Matric Bio, Chemistry, Physics	851/1050 A+	2006

Experience

<i>University of Central Punjab, Lahore</i> Assistant Professor (Faculty of Sciences, Zoology Department)	<i>March, 2022 to Present</i>
<i>University of Central Punjab, Lahore</i> Contractual position (Faculty of Sciences, Zoology Department)	<i>Oct, 2021 to Feb 2022</i>
<i>University of Central Punjab, Lahore</i> Visiting Lecturer (Faculty of Sciences, Zoology Department)	<i>Oct, 2019 to Sep 2021</i>

University of the Punjab, Lahore
Visiting Lecturer (Center for Under Graduate Block)

Feb, 2015 to April 2016

Transnational Education Programme Development
(British Council)

Sep 2012 to Sep 2014

Research Scholar

Planning and conducting research in different fields of
environmental health issues in Pakistan

Research Publications	Impact factor
Nimra, A., Ali, Z., Sultan, S., Nasir, Z.A. Tyrell, Sidra, S. and Hussain, A. Molecular sequencing and Phylogenetic analysis of bioaerosols in hospital wards with different ventilation conditions (2022). <i>Journal of infection diseases in developing countries.</i> 16(1):157-165	1.35
Sidra, S., Rashid, M., Akmal, M., Arooj, F., Khan, B.N., Javid, A., Nimra, A., Jamil, M. and Hussain, A., (2022). Comparative assessment of invasive and non-invasive approaches for estimating metallic pollutants in the environment. <i>Journal of King Saud University-Science</i> , p.102146.	4.011
Ifthikhar, W., Javed F., Nazir, M., Rafiq M., Afzal, N., Khawar M.B. Awareness of Ebola virus in medical and non-medical personnels of Lahore (2022). <i>RADS Journal of Biological Research and Applied Science</i> 13(1):1-7	
Nimra, A., Ali, Z., Nasir, Z.A. Tyrell, S. and Sidra, S. Characterization of Indoor Air Quality in Relation to Ventilation Practices in Hospitals of Lahore, Pakistan (2021). <i>Sains Malaysiana</i> 50(6): 1609-1620	1.16
Nimra, A., Ali, Z., Sidra, S., and Ahmad, R. Evaluation of Air-Borne Trace Metals in Orthopaedic Sections of Health Care Facilities. (2020). <i>Punjab university journal of zoology</i> 35(1): 91-98	0.422
Nimra, A., Ali, Z., Khan, M.N., Gulshan, T., Sidra, S., Gardezi, J.R., Tarar, M.R., Saleem, M., Nasir, Z.A. and Colbeck, I., 2015. Comparative ambient and indoor particulate matter analysis of operation theatres of government and private (trust) hospitals of Lahore, Pakistan (2015). <i>Journal of Animal and Plant Sciences</i> , 25(3 Supp. 2): 628-635.	
Namra Qaiser, Safdar Sidra, Arshad Javid, Asia Iqbal, Maria Amjad, Hamda Azmat, Fariha Arooj, Komal Farooq, Afzal Nimra, Zulfiqar Ali. Microplastics accumulation in abiotic and biotic components along aquatic food chain in some freshwater bodies of Pakistan (2022). <i>Chemosphere (Under review)</i>	7.086
R. Yasmeen, Z. Ali, N. Afzal, S. Safdar and Z. A.Nasir, 2020. Characterization of bioaerosols in controlled environment broiler houses at different stages of growth. <i>Journal of Animal and Plant Sciences</i> , 30(1):2020.	0.481

**Research
Publications**

Furqan.M., Ali, Z., Shahzad, M., Khan, B.N., Ahmed, W., Hussain, Z., Ullah, M.A., **Afzal. N.**, and Ara. A. **Human-Indian grey Mongoose (*Herpestes edwardsi*) Conflicts and threats to Mongoose in Mirpur District, Azad Jammu and Kashmir, Pakistan (2021).** *Pakistan Journal of Zoology* 53(5):549-557 0.831

Syed Turab Raza, Zulfiqar Ali, Irfan Zainab, Safdar Sidra, **Afzal Nimra**, Zaidi Zona, and Khadija Aziz. 2015. **Soil and water analysis for micro-nutrients in wetland's associated grassland ecosystems (2015).** *Journal of Animal and Plant sciences* 25(4):1168-1175. 0.422

Zona, Z., Ali, Z., Sidra, S., Nimra, A., Ahmad, M., Aziz, K., Zainab, I., Quratulain, Ansari, B., Raza, S.T., Nasir, Z.A. and Colbeck, I., 2015. **Changes in particulate matter concentrations at different altitudinal levels with environmental dynamics (2015).** *Journal of Animal and Plant Sciences.*, 25 (Supp. 2): 620-627 0.422

Abdul Majid khan, **Nimra Afzal**, Amtur Rafeh, & Muhammad Akhtar. **New fossil remains of *Gaiotherium browni* from the Chinji Formation of Pakistan (2015).** *Biologia Pakistan.* 61(1): 121-125

**Conference
Presentations &
Publications**

A. Nimra, Z. Ali, I. Colbeck, and Z.A. Nasir. Ambient and indoor particulate matter in operating theatres in two hospitals in Lahore, Pakistan. Poster presentation in European Aerosol Conference (EAC) Milan, Italy Sep 2015
Zulfiqar Ali , Ian Colbeck, Zaheer Ahmad Nasir , Luiza Campos , Zainab Irfan, Zona Zaidi , Kahdija Aziz , Sidra Safdar , Syed Turab Raza, **Nimra Afzal** , Mubashir Ahmad, Javid Iqbal Qazi. **Transnational links (UK and Pakistan) and Air Pollution Research Initiatives. Annual Aerosol Science Conference (AASC)** Birmingham UK 12th Nov 2015

Zulfiqar Ali, Safdar Sidra, **Nimra Afzal**, Khadija Aziz, Zaidi Zona, Irfan Zainab, Syed Turab Raza, Mubashir Ahmad, Bushra Ansari, Quratulain, Zaheer Ahmad Nair, Ian Colbeck. 2014: **Changes in particulate matter concentrations at different altitudinal levels with environmental dynamics.** Presentation In the Annual Aerosol Science Conference, Birmingham, UK, held on 28th November, 2014.

Zaidi Zona, Zulfiqar Ali, Safdar Sidra, **Nimra Afzal**, Mubashir Ahmad, Khadija Aziz, Zainab Irfan, Quratulain, Bushra Ansari, Syed Turab Raza, Zaheer Ahmad Nasir, Ian Colbeck. **Variations in Particulate Matter Concentration at Different Altitudinal Ranges with Environmental Dynamics.** Poster presentation in National Conference & Training workshop on Wildlife & Aerobiology, held in Dept. of Zoology, university of the Punjab on 6-7 February, 2015.

Syed Turab Raza, Zulfiqar Ali, Safdar Sidra, **Nimra Afzal**, Zaidi Zona, Khadija Aziz, Irfan Zainab, Mubashir Ahmad. **Characteristics of Soil and Water of Highland and Upland Ecosystems of Pakistan.** Poster presentation in National Conference & Training workshop on Wildlife & Aerobiology, held in Dept. of Zoology, university of the Punjab on 6-7 February, 2015.

Laboratory skills	Gained six-month experience in environmental labs in Cranfield University, UK. Gained Training at University of Essex in Nov 2015 including Basic laboratory health and Safety Methods to sample bioaerosols (Filtration, Impaction and impingers) DNA extraction PCR and qPCR
Conferences and Workshops attended	Participated two days conference on “Wildlife & Aerobiology” in Department of Zoology, University of the Punjab, Lahore, 6th-7th February, 2015. Defeating the Public Enemy, The Mosquito: A Real Challenge, Two Days National Conference organized by Dengue Prevention and Control Cell, LCWU, Lahore and INSPIRE-Transnational Education Partnership Programme, British Council, 3-4 Dec, 2104 Novel Approaches to Monitor Air Pollution and Environmental Health Issues, British Council TNE-308 International Workshop and Lecture Series, 6th-9th January, 2014 Fundamentals of Aerosol Sciences: Lectures organized by The Aerosol Society, UK at the University of Birmingham, on 28th November, 2013.
Computer Skills	Application: Microsoft Office, Urdu Inpage Operating System: MS Windows Hardware Configuration: Installation of any Computer Device and its configuration
References	Dr Zulfiqar Ali Associate Professor Environmental health & Wild life Dept of Zoology, Punjab University, Lahore Email: zali.zool@pu.edu.pk