



Anum Tariq

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ABOUT MYSELF

My area of specialization is urban ecology, with a focus on urban ecosystems. My role in higher education spans teaching, research, mentorship, and academic administration, supporting environmental sustainability and education.

WORK EXPERIENCE

University of the Punjab - Pakistan, Lahore

Assistant Professor

[23/09/2025 - Current]

- Teach and coordinate BS and MS courses
- Supervise undergraduate and graduate research
- Mentor students in academic and professional development
- Lead academic and administrative duties, including program coordination
- Represent the department in committees and institutional initiatives

University of the Punjab - Pakistan, Lahore

Lecturer

[03/04/2018 - 23/09/2025]

- Taught BS and MS courses
- Supervised undergraduate and early-stage graduate research
- Mentored students academically and supported co-curricular activities
- Assisted in academic and administrative tasks

General Electrics Balloki Power Plant - Pakistan, Lahore

EHS Trainee Officer

[11/2014 - 08/2015]

- Safety compliance and audits
- Risk Assessment
- Training and awareness
- Incident Reporting and Investigation

Gunes Albayrak, Lahore (Pakistan)

- Pakistan, Lahore **Assistant Manager Operations**

[02/2013 - 08/2013]

- Correspondence
- Inventory Keeping
- Supervision of daily operations
- Monitoring and Reporting

EDUCATION & TRAINING

PhD Environmental Sciences

College of Earth and Environmental Sciences, University of the Punjab [22/10/2018 - 11/08/2025]

Address: College of Earth and Environmental Sciences University of the Punjab, Lahore (Pakistan) |

Field(s) of study: Natural sciences, mathematics and statistics: • Environmental sciences | **Final grade:** A+ | **Level in EQF:** 8 | **National classification:** 8 | **Thesis:** Impacts of Anthropogenic Litter on Nesting and Feeding Ecology of Bird Assemblage along the Urban Gradient of Lahore

- Urban ecology
- Avian biodiversity monitoring
- Litter and microplastic pollution assessment
- Habitat quality evaluation
- Field survey design
- Statistical analysis
- Scientific writing and presentation.

IRSIP Research Fellow (The Higher Education Commission Pakistan)

Queensland Alliance of Environmental Health Sciences, University of Queensland [27/09/2023 - 23/03/2024]

City: Brisbane | **Country:** Australia

Website: <https://qaehs.centre.uq.edu.au/>

M. Phil Environmental Sciences

College of Earth and Environmental Sciences, University of the Punjab [2011 - 2013]

City: Lahore | **Country:** Pakistan

Field(s) of study: Environmental Sciences: | **Final grade:** CGPA 3.79

BS Environmental Sciences

College of Earth and Environmental Sciences, University of the Punjab [2006 - 2010]

City: Lahore | **Country:** Pakistan

Field(s) of study: Environmental Sciences: | **Final grade:** CGPA 3.74

LANGUAGE SKILLS

Mother tongue(s): Urdu

English

LISTENING: B2 **READING:** B2 **WRITING:** B1

SPOKEN PRODUCTION: B2

SPOKEN INTERACTION: B1

SKILLS

R/Rstudio (Basic) | Origin software (data processing and analysis) | Microsoft Office | FTIR Analysis | Mendeley Citation Management

PUBLICATIONS

Ambient air monitoring and health risk assessment of traffic wardens at selected roads of Lahore

Sandhu, F. K., Tariq, A., Fatima, N., & Akram, M. (2025). Ambient air monitoring and health risk assessment of traffic wardens at selected roads of Lahore, Pakistan. *NUST Journal of Natural Sciences*, 10(4), 46-63.

[2025]

Harnessing basil seeds potential (*Ocimum basilicum*) for effective microplastic removal from wastewater

Authors: Anum Tariq, Angelo Fenti, Pasquale Iovino, Afifa Sajjad, Aliza Aziz | **Journal Name:** *Journal of Hazardous Materials Advances* | **Volume, Issue and Pages:** Volume 19 | **Publisher:** Elsevier

Tariq, A., Fenti, A., Iovino, P., Sajjad, A., & Aziz, A. (2025). Harnessing Basil Seeds Potential (*Ocimum basilicum*) for Effective Microplastic Removal from Wastewater. *Journal of Hazardous Materials Advances*, 100779.

[2024]

Nesting material adaptation of native bird species with anthropogenic litter along an urbanization gradient in Pakistan

Tariq, A., Ahmad, S. R., & Qadir, A. (2024). Nesting material adaptation of native bird species with anthropogenic litter along an urbanization gradient in Pakistan. *Environmental Research*, 249, 118435.

[2024]

Unscrambling why plastics aren't detectable in chicken eggs

Tariq, A., Okoffo, E. D., Fenti, A., Fu, H., & Thomas, K. V. (2024). Unscrambling why plastics aren't detectable in chicken eggs. *Chemosphere*, 367, 143584.

[2022]

Consequences of Plastic Trash on Behavior and Ecology of Birds

Tariq, A., Qadir, A., & Ahmad, S. R. (2022). Consequences of Plastic Trash on Behavior and Ecology of Birds. In *Microplastic Pollution* (pp.347-368). Springer, Cham.

[2023]

Prevalence of Work-related Musculoskeletal Discomfort in Office Employees during COVID-19 in Punjab, Pakistan

Naseem, M. A., Tariq, A., Zulfiqar, T., Ilyas, U., & Jehanzeb, M. PREVALENCE OF WORK-RELATED MUSCULOSKELETAL DISCOMFORT IN OFFICE EMPLOYEES DURING COVID-19 IN PUNJAB PAKISTAN.

[2021]

Recycling of textile dyeing wash-off liquor using Fenton technology

Siddique, A., Shaikh, I. A., Ali, A., Islam, S., Tariq, A., & Ikram, K. (2021). Recycling of textile dyeing wash-off liquor using Fenton technology. DESALINATION AND WATER TREATMENT, 212, 244-253

CONFERENCES & SEMINARS

[15/05/2024] Lahore

4th Environment Conference “Challenges and Possibilities for Environmental Sustainability with a Focus on Pakistan”, Lahore School of Economics Oral Presentation on "Assessment of Economic and Ecosystem Services of Native Tree Species for Urban Green Spaces Through I- Tree Tools "

[04/12/2023 - 06/12/2023] Lahore

1. Oral Presentation on "Heavy Metals in Different Brands of Nail Colors and Their Human Health Risk Assessment"
2. Poster Presentation on "An Assessment of Dietary Exposure to Microplastic through Food Additives"

[2021]

3rd International Conference on Emerging Trends in Earth and Environmental Sciences", Organized by College of Earth and Environmental Sciences, University of the Punjab Oral Presentation on "Evaluation of Heavy Metal Content in Hair and Blood Samples of Filling Station Workers in Jhelum, Pakistan"

2nd International Conference on Emerging Trends in Earth and Environmental Sciences", Organized by College of Earth and Environmental Sciences, University of the Punjab Oral Presentation on "Analysis of Heavy Metals in Wheat Grains, Wheat Flour and Dust Collection from Various Flour Milling Shops of Lahore, Pakistan"

[2023]

Organization and Participation in the “World Environment Day, 2023”

[2023]

Participation in workshop on “Market Assessment for Pakistan: Plastics Circularity Opportunities and Barriers for the Private Sector” conducted by International Finance Corporation (Member of the World Bank) 2023.

Organization and participation in hybrid international seminar on “Earth Day, 2021”.

[2020]

Participation in awareness seminar on “World Ozone Day”, organized by The National Ozone Unit (NOU), Ministry of Climate Change

[24/10/2018 - 25/10/2018]

Certificate of Participation for attending 1st GRIP’s International Conference of Pakistan on Water & Energy Research (IC-POWER) 2018, 3rd Pak Water & Energy Expo 2018, at Expo Center Lahore-Pakistan. Organized by: Group of Researchers & Intellectuals of Pakistan (GRIP) & University of the Punjab, Lahore Pakistan

PROJECTS

[15/10/2025 - Current]

Detection of Microplastics in the Gastrointestinal Tracts of Selected Bird Species

[30/11/2023 - 12/09/2025]

Analysis of Surface Thermal Characteristics of Urban Surfaces of Lahore using Thermal Imaging

[2022 - 2023]

University of the Punjab Research Grant Project on "Assessment of Heavy Metals in Muscle and Liver Samples of selected Avian Species with respect to Habitat"

[2021 - 2022]

University of the Punjab Research Grant Project on "Ecological investigation of some Dominant Birds in Lahore with reference to Urban Ecosystem"

[2020 - 2021]

University of the Punjab Research Grant on "Human Health Risk Assessment of Heavy Metals Present in Canned Foods"

HOBBIES AND INTERESTS

Literature

Baking/Cooking

Hiking

Driving

ORGANISATIONAL SKILLS

Time Management

Problem Solving

Team Player