

AYMEN TAHIR
Ph.D. Scholar in Biosciences
International Islamic University Islamabad (IIUI)
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PROFESSIONAL SUMMARY

PhD scholar and researcher with a strong academic and practical background in biosciences and public health. Proven experience in literature reviews, behavioral research, instrument design (surveys/interview guides), and academic writing. Adept in synthesizing complex data into accessible insights. Skilled in experimental design, project coordination, and scientific writing. Pursuing translational research in environmental toxicology to inform public health and policy interventions.

EDUCATION

Ph.D. in Biosciences | International Islamic University Islamabad (IIUI)

Enrolled: August 2022 – **Expected Completion:** 2026

CGPA: 3.91/4.00 (83.83%)

Courses: Industrial Biotechnology, Advances in Plant Ecology, Research Planning & Scientific Writing, Interdisciplinary Topics in Biosciences, Research Techniques & Instrumentation, Advanced Microscopy and Imaging

Supervisor: Dr. Ikram Ullah

MS in Biosciences | International Islamic University Islamabad (IIUI) | 2019 – 2021

CGPA: 3.95/4.00 (85.44%)

Courses: Computational Tools for Natural Sciences, Recombinant DNA Technology, Nanomedicines and Drug Delivery, Cell Metabolism, Bioinformatics, Biotechnology in Practice, Research, Innovation, and Entrepreneurship, Separation Methodology.

Dissertation: Post-traumatic Stress Evaluation in COVID-19 Recovered Patients

Supervisor: Dr. Ikram Ullah

MSc in Zoology | Quaid-e-Azam University, Islamabad | 2017 – 2019

Percentage: 79.6% **Courses:** Cell Biology, Genetics, Molecular Biology, Environmental Biology, Animal Ecology, Animal Physiology.

BSc | Quaid-e-Azam University, Islamabad | 2014 – 2016

Percentage: 75.25% **Specialization:** Zoology, Botany, Geography

RESEARCH PROJECTS

Ph.D. Research Project (Ongoing):

- Developing in vivo exposure model and conducting behavioral, biochemical, and histological evaluations with a focus on oxidative stress, inflammation, and synaptic markers.

MS Research Project:

- Post-Traumatic Stress Evaluation in COVID-19 Recovered Patients - Designed clinical protocols and used psychometric analysis.
- Assessed behavioral stress markers and data analytics.

Research Associate (NUST):

- Executed behavioral and molecular studies on memory impairment models. - Managed data documentation, reagent procurement, budget coordination, and reporting.
- Coordinated internal lab audits and helped in animal handling protocols.

PROFESSIONAL EXPERIENCE

Visiting Lecturer | International Islamic University Islamabad (IIUI) | 2024-present

- Taught and coordinated the course 'Science of Global Challenges.'
- Developed materials and engaged students in interdisciplinary science topics

Research Associate | Neurobiology Lab, ASAB-NUST | 2021 – 2022

- Conducted neurobiological research and prepared scientific diagrams
- Created visual content for academic publications and lab presentations

Quality Assurance Intern | PepsiCo Pakistan | 2021

- Supported QA team during 6-week internship
- Assisted in maintaining product standards and HACCP compliance

SKILLS

- Research Design & Methodology – Literature Review & Evidence Synthesis
- Survey & Interview Guide Development – Scientific Writing (Papers, Reports, Briefs)
- MS Office, Mendeley, EndNote – Google Classroom, Remote Collaboration
- Behavioral neuroscience, microscopy, histology, molecular biology
- Literature review and reference management (Mendeley, EndNote)
- Data analysis: GraphPad Prism, ImageJ, Origin

- Software: MS Office, Google Classroom
- Soft skills: Communication, teamwork, leadership

CERTIFICATIONS

- **"Understanding the Brain: The Neurobiology of Everyday Life"** – The University of Chicago
- **"The Brain and Space"**- Duke University
- **"Getting Started with ImageJ"** – Coursera Project Network
- **"Google Project Management"** – Google
- **"Fundamental Neuroscience for Neuroimaging"** – Johns Hopkins University
- **"Create and Design Digital Products using Canva"**- Coursera Project Network
- **"Work Smarter with Microsoft Excel"**- Microsoft
- **"Work Smarter with Microsoft PowerPoint"**- Microsoft

REFERENCES

Professional Affiliations:

Dr. Ikram Ullah -Associate Professor- SA-CIRBS, Faculty of Basic and Applied Sciences, International Islamic University Islamabad, Pakistan Email: ikram.ullah@iiu.edu.pk | Phone: +92-315-0438666

Dr. Touqeer Ahmed- Professor, Atta-Ur-Rehman School of Applied Biosciences (ASAB) National University of Science & Technology (NUST), Islamabad, Pakistan Email: touqeer.aahmed@gmail.com | Phone: +92-3335436893

Dr. Farhan Younas-Assistant Professor, SA-CIRBS, Faculty of Basic and Applied Sciences, International Islamic University Islamabad, Pakistan Email: farhan.younas@iiu.edu.pk | Phone: +92-336-055786