ADNAN AHMAD QAZI

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Publications	WoS / JIF	Cumulative IF	Supervised	Committees	Portfolio (submitted)
26	9	20.8	36	20	PKR 3.85 B

Peer-reviewed publications; Web of Science Core Collection titles carrying a current Journal Impact Factor; cumulative Impact Factor on a 2025 JCR basis; postgraduate students supervised as principal supervisor; supervisory committees served as member; development and research portfolio formulated and submitted (not yet approved).

PROFESSIONAL PROFILE

Aquatic ecotoxicologist and university administrator. Research programme centres on heavy-metal bioaccumulation, microplastic contamination and oxidative-stress biomarkers in freshwater fish across the Indus Basin barrage corridor, built on primary field datasets from four major barrages — Islam, Sulemanki, Panjnad and Taunsa.

Twenty-six peer-reviewed publications, of which nine appear in Web of Science Core Collection journals carrying a current impact factor, with a cumulative Impact Factor of 20.8 and two Q1 placements. Principal supervisor to thirty-six postgraduate students, twenty-eight of whom have graduated, and a member of twenty further supervisory committees. Invited reviewer for Journal of Hazardous Materials and Environmental Monitoring and Assessment.

Administrative service at CUVAS has spanned institutional planning, statutory governance and litigation coordination, and university media positioning. As Director (Planning & Development) from November 2025 to August 2026, formulated and submitted a development portfolio of approximately PKR 3.85 billion across Punjab ADP and federal PSDP cycles. As Additional Registrar (Coordination & Litigation), served as convener or member of fifteen fact-finding committees and coordinated statutory and litigation matters. As Public Relations Officer across two terms, established the university's media-coordination function and generated a cumulative press record exceeding 237 clippings across 63 newspapers at no cost to the institution.

CURRENT ACTIVITY (JULY – OCTOBER 2026)

- Five MPhil theses and one PhD thesis submitted by supervisees in July 2026; all six now being prepared for journal submission.
- PSF National Science Linkages Programme project, Sutlej microplastics (PKR 8 million) — full proposal under review.
- PHEC R&D Cluster submission (PKR 8 million) filed through ORIC, CUVAS.
- Two Agricultural Linkages Programme projects awaiting shortlisting announcement.
- Membership of three IUCN Commissions confirmed for the 2026–2029 quadrennium: the Commission on Education and Communication (July 2026), the Climate Action Commission (September 2026) and the World Commission on Protected Areas (September 2026).
- PARB Competitive Grants System 2026 — Concept Clearance Proforma submitted 1 September 2026 for a climate-resilient functional aquafeed premix for feed-borne heavy-metal risk reduction in Punjab.
- JICA Grant-in-Aid Concept Note (through HEC) — Vice Chancellor-endorsed note on a South Punjab Aquatic Ecotoxicology and Feed-Safety Node at CUVAS, submitted 12 September 2026.

AREAS OF EXPERTISE

Aquatic Ecotoxicology • Microplastic and Heavy-Metal Contamination • Human Health Risk Assessment • Freshwater Fisheries and Aquaculture • Oxidative-Stress and Genotoxicity Biomarkers • Institutional Planning and Development • PC-1, PSDP and ADP Project Formulation • Statutory Governance and Litigation Coordination • Postgraduate Supervision • Competitive Grant Development • Science Communication and Public Engagement

EDUCATION

PhD (Zoology / Ecotoxicology) — Government College University, Faisalabad, 2014–2018. CGPA 3.52/4.00. Thesis: Pesticide Residues, Biodiversity and Riverine Ecosystem — A Case Study of River Satluj. Supervisor: Prof. Dr Muhammad Ali (Tamgha-e-Imtiaz), now Vice Chancellor, University of the Punjab, Lahore.

MPhil (Zoological Sciences) — University of Veterinary and Animal Sciences (UVAS), Lahore, 2009.

BEd (Science) — Virtual University of Pakistan, 2017.

BS (Hons.) Zoology — Bahauddin Zakariya University, Multan, 2006.

First Division throughout, from Matriculation onward.

PROFESSIONAL APPOINTMENTS

Post	Institution	Period
Assistant Professor (BPS-19)	CUVAS, Bahawalpur	16 Nov 2018 – present
Lecturer, Biology (BPS-18)	University Community College, GC University, Faisalabad	26 Sep 2016 – 15 Nov 2018
Secondary School Educator (SSE)	School Education Dept., Govt. of Punjab	24 Sep 2012 – 30 Nov 2014

Departmental affiliation: Department of Zoology to 21 January 2025; Cholistan Institute of Biological Sciences, 21 January 2025 to 16 August 2026; Department of Zoology thereafter.

ADMINISTRATIVE AND LEADERSHIP ASSIGNMENTS

All assignments below were held as additional charge concurrently with the substantive teaching post, and each was reassigned on completion or rotation.

Assignment	Period	Principal outputs
Director, Planning & Development	Nov 2025 – Aug 2026	Two Punjab ADP schemes (PKR 1,648 M); federal PSDP Sub-Campus scheme (PKR 2,000 M) under process; six HEC-PSDP concept papers for FY 2026-27; ADP 2026-27 proposals to Punjab HEC; iPAS registration with HEC; AquaVAC-Green concept submitted.
Public Relations Officer / Media Coordinator	Nov 2025 – Mar 2026; 18 Jun – 30 Jul 2026	Media-coordination function established from zero. 117 clippings in the first term and 120 in the second; cumulative record above 237 clippings across 63 newspapers, including Dawn and Nawa-i-Waqt. No expenditure incurred by the university.
Additional Registrar (Coordination & Litigation)	23 Aug 2025 – 20 Apr 2026	Convener or member of fifteen fact-finding committees; statutory governance and litigation coordination across recruitment, service and disciplinary matters; sole representative in proceedings before the Punjab Provincial Ombudsman.
Officer In-charge, Department of Zoology	Jul – Aug 2024	Departmental academic and administrative oversight.
Associate Director, Student Affairs	Jun 2019 – Mar 2020	Student-affairs leadership, activity coordination and grievance redressal.
Director, Student Affairs	Mar – May 2019	First appointee to this portfolio at CUVAS. Student welfare, discipline and co-curricular oversight.
Member, Media Committee	Jun 2020 – 2025	Institutional media advisory and communications support.
Focal Person, Laboratory Establishment under PC-1	2019 – 2022	HEC-funded procurement and commissioning of analytical laboratory equipment.
Coordinator and Examination In-charge, BS Biological Sciences	2022	Programme coordination and examination administration.

RESEARCH OUTPUT

Category	Count	Cumulative IF
Web of Science Core Collection, current Journal Impact Factor	9	20.8
WoS-indexed at time of publication (journal since discontinued)	1	0.50
Scopus and HEC-recognised journals	4	—
Other peer-reviewed journal articles	12	—
Total peer-reviewed publications	**26**	**20.8 current · 21.3 historical**

20.8 = cumulative Impact Factor on a 2025 Journal Impact Factor basis (JCR released June 2026). 21.3 = historical total, including entry B1 (Fresenius Environmental Bulletin) at its 0.50 Impact Factor as issued in its year of publication; that journal has since been discontinued from the Web of Science Core Collection and carries no current Impact Factor.

HEC Journal Recognition System categories: W-category 10 (including the Fresenius Environmental Bulletin entry), Y-category 5, no X-category titles — 15 recognised journals in total.

Publications as first or second author: 10. Indexed in Web of Science, Scopus, PubMed (PMIDs 36629624, 36383902) and FAO AGRIS. The complete publication record is maintained on ORCID (0000-0002-8446-8342) and Scopus (Author ID 59158123200).

Selected publications

- Alfahad, M., Butt, F., Aslam, M.A., Abbas, T. & **Qazi, A.A.** (2022). Incidence of dog bite injuries and its associated factors in Punjab province of Pakistan. *Science in One Health*, 1, 100007. [IF 9.3, Q1] — senior author; arising from MPhil research supervised by A.A. Qazi.
- Raheel, S.M.M.U.D., **Qazi, A.A.**, Latif, M., Naz, H., Waqas, Y. & Lackner, M. (2025). Unveiling the microplastics menace in freshwater fishes: evidence from the Panjnad Barrage, South Punjab, Pakistan. *Fishes*, 10(5), 198. [IF 2.9, Q1]. DOI 10.3390/fishes10050198
- Maryam, S., Naz, H., Ahmed, T., Omran, A., Alanazi, Y.F. et al., **Qazi, A.A.** (2023). Determination of histological and genotoxic parameters of Nile tilapia exposed to lead (Pb). *Cellular and Molecular Biology*, 69(4), 7–15. [IF 1.5]

- **Qazi, A.A.**, Ali, M., Jabeen, F., Iqbal, R. et al. (2022). Presence of selected organochlorine pesticides in sediments and biota of River Satluj, Pakistan: first report. *Brazilian Journal of Biology*, 83, e243905. DOI 10.1590/1519-6984.243905. [IF 1.5, Q2] — first author.
- **Qazi, A.A.**, Ali, M., Latif, M., Naqvi, S.A.A. et al. (2023). The level and distribution of selected organochlorine pesticides in water of River Satluj, Pakistan. *Brazilian Journal of Biology*, 83, e246776. DOI 10.1590/1519-6984.246776. [IF 1.5, Q2] — first author.
- Hamidullah, Javid, A., Rasheed, S.B., Ullah, A., Attaullah, **Ahmad, Q.A.** et al. (2021). Parasitic prevalence in bat fauna captured from selected sites in northwestern Pakistan. *Brazilian Journal of Biology*, 81(3), 776–784. [IF 1.5, Q2]
- Shahbaz, M., Hamidullah, Khan, W., Javid, A. et al., **Ahmad, Q.A.** (2021). Morphometrics of the Indian false vampire bat (*Megaderma lyra*) from district Jhelum, Pakistan. *Brazilian Journal of Biology*, 81(4), 934–939. [IF 1.5, Q2]
- Iqbal, M.A., Hussain, A., Roohi, N., Arshad, M.I., Khan, O. & **Ahmad, Q.A.** (2017). Effects of mannan-oligosaccharides' supplementation on hatching characteristics of Japanese quail breeders. *South African Journal of Animal Science*, 47(5), 672–678. [IF 0.6]
- Ali, Z., Bibi, F., Shelly, S.Y., **Qazi, A.A.** & Khan, A.M. (2011). Comparative avian faunal diversity of Jiwani coastal wetlands and Taunsa Barrage Wildlife Sanctuary, Pakistan. *Journal of Animal and Plant Sciences*, 21(2 Suppl.), 381–387. [IF 0.5] — most-cited, 30 citations.
- **Qazi, A.A.**, Ali, M., Farooq, Z., Latif, M. et al. (2023). Anthropogenic activities and water quality: a case of River Satluj, Pakistan. *Pakistan Journal of Scientific and Industrial Research, Series B*, 66(1), 74–80. — first author.

Accepted for publication

- Mursaleen, M., Lateef, M., Naqvi, S.A.A., Sahar, Z., Farooq, Z., Awais, M., Raheel, S.M.M.U.D., Arshad, M., Shakeel, R., Wadood, F., Waqas, Y., Ramzan, A., Munawar, S.H. & Qazi, A.A. (accepted 28 August 2026). Human health risk assessment from heavy-metal contamination in common carp (Cyprinus carpio) from Taunsa Barrage, Pakistan. Pakistan Journal of Scientific and Industrial Research, Series B: Biological Sciences, ref. PJSIR-11376-BA/4382; expected 2027/2028. Not counted among the 26 published papers above until it appears in print.

Manuscripts under peer review

Several manuscripts are under peer review, including a sole-authored perspective at Environmental Toxicology and Chemistry: “Interaction Structure in Contaminant Mixtures: What a Mechanistically Typed Chemical Network Would Add to Aquatic Mixture Risk Assessment”. Manuscripts under review and preprints are excluded from the publication totals above.

Preprints (SSRN) — not peer-reviewed

- **Qazi, A.A.** (2026). Three structural biases cause systematic underestimation of dietary cancer risk from heavy metals in freshwater fish: development of the Cumulative Dietary Cancer Risk Framework. SSRN 6630079.
- **Qazi, A.A.**, Awais, M., Shakeel, R. & Majeed, A. (2025). Microplastic-mediated amplification of heavy metal bioavailability and human health risk in freshwater fish of the Indus Basin. SSRN 6556861.
- **Qazi, A.A.** Beyond BAF: the Microplastic Vector Amplification Cascade (MVAP) in freshwater metal risk. SSRN 6551811.

Research data publications

- Sehr, A. & **Qazi, A.A.** (2026). Heavy metal concentrations in liver and dorsal muscle of Cirrhinus mrigala and Wallago attu from four Indus Basin barrages, Punjab, Pakistan [dataset]. PANGAEA. DOI 10.1594/PANGAEA.997463
- Sehr, A. & **Qazi, A.A.** (2026). Total heavy metal concentrations and contamination/geoaccumulation indices in surface sediment at four Indus Basin barrages, Punjab, Pakistan [dataset]. PANGAEA. DOI 10.1594/PANGAEA.997450
- Sehr, A. & **Qazi, A.A.** (2026). Sediment-to-tissue bioaccumulation factors and predator:detritivore concentration ratios for heavy metals at four Indus Basin barrages, Punjab, Pakistan [dataset]. PANGAEA. DOI 10.1594/PANGAEA.997465
- Majeed, A., Latif, M., Naqvi, S.A.A., **Qazi, A.A.**, Munawar, S.H., Waqas, Y., Farooq, Z., Naz, H., Shakeel, R., Wadood, F. & Ramzan, A. (2026). Seasonal heavy metal bioaccumulation in edible freshwater fish (Labeo rohita and Cirrhinus mrigala) from Head Panjnad, Punjab, Pakistan, with human health risk indices for Pb, Ni and Cd (2022) [bundled data publication]. PANGAEA. DOI 10.1594/PANGAEA.995293
- Majeed, A., Latif, M., Naqvi, S.A.A., **Qazi, A.A.** et al. (2026). Seasonal heavy metal bioaccumulation in edible freshwater fish (Labeo rohita and Cirrhinus mrigala) from Head Panjnad, Punjab, Pakistan (2022) [dataset]. PANGAEA. DOI 10.1594/PANGAEA.995398
- Majeed, A., Latif, M., Naqvi, S.A.A., **Qazi, A.A.** et al. (2026). Biometric data of edible freshwater fish (Labeo rohita and Cirrhinus mrigala) from Head Panjnad, Punjab, Pakistan (2022) [dataset]. PANGAEA. DOI 10.1594/PANGAEA.995396
- Bibi, F. & **Qazi, A.A.** (2026). Microplastic abundance, morphology, and FTIR polymer characterization in the gastrointestinal tracts of *Wallago attu*, surface water and riverbed sediment from Head Panjnad, Punjab, Pakistan (2023) [bundled data publication]. PANGAEA. DOI 10.1594/PANGAEA.995243
- Bibi, F. & **Qazi, A.A.** (2026). Microplastic abundance and morphology in the gastrointestinal tracts of *Wallago attu* from Head Panjnad, Punjab, Pakistan (2023) [dataset]. PANGAEA. DOI 10.1594/PANGAEA.995265
- Bibi, F. & **Qazi, A.A.** (2026). Microplastic abundance and morphology in surface water from Head Panjnad, Punjab, Pakistan (2023) [dataset]. PANGAEA. DOI 10.1594/PANGAEA.995263
- Bibi, F. & **Qazi, A.A.** (2026). Microplastic abundance and morphology in riverbed sediment from Head Panjnad, Punjab, Pakistan (2023) [dataset]. PANGAEA. DOI 10.1594/PANGAEA.995264
- Bibi, F. & **Qazi, A.A.** (2026). FTIR polymer characterization in the gastrointestinal tracts of *Wallago attu*, surface water and riverbed sediment from Head Panjnad, Punjab, Pakistan (2023) [dataset]. PANGAEA. DOI 10.1594/PANGAEA.995257
- **Qazi, A.A.** (Supervisor) & Malik, M.A. (Data collector) (2026). Heavy metal bioaccumulation, water quality and human health risk assessment in *Sperata seenghala* from Head Islam, Sutlej River, Indus Basin, Pakistan [dataset]. Zenodo. DOI 10.5281/zenodo.20009805

- Qazi, A.A. (Supervisor) & Qadeer, F. (Data collector) (2026). Tabulated dataset of microplastic abundance, morphology and FTIR characterization in water, sediment and Cirrhinus mrigala from Head Panjnad, Indus Basin, Pakistan (digitized from Qadeer, 2022) [dataset]. Zenodo. DOI 10.5281/zenodo.19999968

Digitized/historical record: per-sample values reconstructed from the descriptive statistics reported in Qadeer's 2022 MPhil thesis; original laboratory notebooks were unavailable. Not primary field measurements; not counted among peer-reviewed publications or DOI-registered primary datasets.

RESEARCH PROGRAMME

Aquatic Contaminant Dynamics, Mixtures and One Health — an empirical, hypothesis-testing programme built on Indus Basin field systems. Conceptual frameworks from earlier work (including CDCRF, MVAF and PIN) are proposals in preprint form or under peer review and have not yet been independently validated.

Active research areas

- **Area 1 — Mechanistic contaminant transfer.** When do microplastics alter metal delivery to freshwater fish, when do they not, and when might they reduce it? Planned sorption, gut-release and controlled fish-exposure experiments with measured natural-particle comparators.
- **Area 2 — Hydrology-driven exposure in the Indus Basin.** How monsoon and low-flow states change dissolved and particle-bound contaminant fractions, fish exposure and dietary risk.
- **Area 3 — Contaminant mixtures and biological injury.** Whether combined microplastic–metal exposure produces responses that neither contaminant predicts alone, using micronucleus, comet-assay and DNA-methylation endpoints.

Long-term integration

- Aquatic contaminant exposome and One Health food safety — to be developed after independent, cross-basin validation data become available.

INTELLECTUAL PROPERTY

- **Decision-support software prototype — cumulative multi-pathway dietary cancer-risk estimation for freshwater fish.** Computer-implemented prototype developed; not yet independently validated.
- Invention Disclosure Form submitted to ORIC, CUVAS, 1 May 2026.
- No provisional patent application has been filed; the University is considering whether to proceed.

Industry linkage and commercialisation

- **PSF Industrial Solution Grant — proposal submitted 4 April 2026 (Principal Investigator),** with Mahar Nazeer Fish Farm as proposed industrial partner: a curcumin–garlic feed additive for reducing heavy-metal burden in farmed freshwater carp, benchmarked against EU maximum levels under Regulation (EU) 2023/915 (which replaced Regulation (EC) No 1881/2006). Proposed duration 24 months, with pilot-scale validation at the partner's facility.
- University Microplastics Service Unit (UMSU), CUVAS — proposed fee-for-service testing, SOP licensing and training unit (concept stage).
- Technical advisory engagement with commercial aquaculture operators in the Bahawalpur Division on pre-harvest metal remediation and depuration protocols.

DEVELOPMENT SCHEMES, PROJECTS AND GRANTS

Scheme	Sponsor	Amount	Status
ADP — Integrated Livestock Infrastructure (ILITIDP)	Punjab Government	PKR 1,248 M	Submitted Dec 2025
ADP — Central Laboratory Services & Expansion (CLSECC)	Punjab Government	PKR 400 M	Submitted Dec 2025
HEC-PSDP — Sub-Campus Establishment	HEC / Federal Govt.	PKR 2,000 M	Under process, Mar 2026
HEC-PSDP — AquaVAC-Green Integrated Aquaculture Centre	HEC / Federal Govt.	PKR 170–195 M	Concept submitted
PSF NSLP — Sutlej Microplastics (CP-2-2026-102-8VAT)	Pakistan Science Foundation	PKR 8 M	Full proposal under review, Sep 2026
PSF NSLP — Biochar Eco-Pellets (CP-2-2026-1102-QOEL)	Pakistan Science Foundation	PKR 7.5 M	Not selected at initial screening, 2026
PHEC R&D Cluster (FY 2026-27)	Punjab HEC via ORIC	PKR 8 M	Submitted Aug 2026
Agricultural Linkages Programme (×2)	PARB / ALP	Per programme	Awaiting shortlisting
PSF Industrial Solution Grant — Curcumin-Garlic Feed Additive (CP-4-2026-404-SJJE)	PSF / R&D Industry Programme	PKR 3 M	Submitted 4 Apr 2026
WWF Small Grants — Nature-Based Antioxidant Strategies, Sutlej–Panjnad	WWF Pakistan	PKR 0.3 M	Submitted 6 Mar 2026
Springer edited volume — Beyond Chemical Compliance	Springer Nature	23 chapters	Proposal submitted
HEC ASIP Grant (GC-MS, SEM-EDX, IR	HEC	PKR 0.2 M	Completed 2024

Scheme	Sponsor	Amount	Status
training)			
PSF STFS — Mentor Biology, Phases 1 and 2	Pakistan Science Foundation	PKR 10 M	Completed 2016–2018
PARB Competitive Grants System 2026 — climate-resilient functional aquafeed premix	Punjab Agricultural Research Board	Per programme	Concept proforma submitted 1 Sep 2026
JICA Grant-in-Aid — South Punjab Aquatic Ecotoxicology and Feed-Safety Node	JICA through HEC	Per programme	VC-endorsed concept note submitted 12 Sep 2026

Aggregate formulated and submitted: approximately PKR 3.85 billion. All figures are as submitted; none is stated as approved or secured.

POSTGRADUATE SUPERVISION

Capacity	Students	Graduated
Principal supervisor — PhD	4	1
Principal supervisor — MPhil (M. Zoology)	24	19
Principal supervisor — MPhil (M. Fisheries)	8	8
Total as principal supervisor	**36**	**28**
Member, supervisory committee	20	—

Of the eight students not yet graduated, six (five MPhil, one PhD) submitted theses in July 2026 and await evaluation.

Doctoral scholars

- **S.M.M.U.D. Raheel** — microplastic pollution, Panjnad Barrage. Graduated December 2025; published in Fishes (Q1, IF 2.9).
- **Muhammad Arshad (21-CUVAS-0969)** — heavy metals and oxidative stress in fish of South Punjab rivers. Thesis submitted July 2026.
- **Ramsha Shakeel (22-CUVAS-0689)** — curcumin–garlic feed additive for pollution resilience. In progress.
- **Asma Ramzan (22-CUVAS-0059)** — multi-compartment contamination, Indus Basin. In progress; HEC IRSIP placement at the University of Exeter under application.

INTERNATIONAL RESEARCH LINKAGES

- **Prof. Tamara S. Galloway, University of Exeter, United Kingdom** — agreed host for a proposed HEC IRSIP doctoral placement (April 2026).
- **Prof. Ülgen Aytan, Recep Tayyip Erdoğan University, Türkiye** — named international collaborator, PSF-NSLP Sutlej microplastics proposal; co-author on manuscripts in preparation.
- **Prof. Sumathi Sethupathi, Universiti Tunku Abdul Rahman, Malaysia** — biochar remediation of metal-contaminated sediments; named collaborator on a 2026 PSF-NSLP proposal.
- **Prof. Sarva Mangala Praveena, Universiti Putra Malaysia** — microplastic–metal co-contamination; named collaborator on a 2026 PSF-NSLP proposal.

National linkages

- Prof. Dr Shahzia Anjum, The Islamia University of Bahawalpur, and Dr Gul-e-Rana Jaffri — national advisors, PSF-NSLP project.
- Analytical pipelines established with H.E.J. Research Institute / ICCBS, University of Karachi, and the Central Laboratories System, MNS University of Agriculture, Multan — eight research scholars across sixteen analytical line items.

PEER REVIEW AND EDITORIAL SERVICE

Five reviews completed and verified on the Web of Science Reviewer Recognition Service between March and July 2026.

Journal	Completed
Journal of Animal and Plant Sciences	29 Jul 2026
Water, Air & Soil Pollution (Springer)	12 May 2026
Journal of Hazardous Materials (Elsevier, Q1)	14 Apr 2026
Environmental Monitoring and Assessment (Springer, Q2)	23 Mar 2026
Pakistan Journal of Zoology	3 Mar 2026

- Brazilian Journal of Biology; Proceedings of the Pakistan Academy of Sciences (Part B); University of Sindh Journal of Animal Sciences — invited reviewer.
- International Journal of Fisheries and Aquatic Studies — editorial board member.
- External evaluator, MS (Zoology) theses, The Islamia University of Bahawalpur, March 2026.

CONFERENCES AND SCIENTIFIC MEETINGS

- **Principal Organizer, Fisheries Symposium, CUVAS, 2024.**
- International Applied Zoological Conference, University of Agriculture Faisalabad, 2018.
- 37th Pakistan Congress of Zoology, Lahore, 2017.
- International Conference on Biodiversity and Biotechnology (IC3B), GC University Faisalabad, 2017.
- Ten or more conference presentations and abstracts; national scientific workshops and seminars, 2015–2024.

TRAINING AND PROFESSIONAL DEVELOPMENT

Short courses in Wetlands Ecology, Zoo Animal Enclosure Design and Bird Watching Techniques — Department of Wildlife and Ecology, UVAS Lahore, 2009 • Training workshop on Natural Photography and GIS, UVAS Lahore, January 2008 • DART gun training, Punjab Wildlife and Parks Department with UVAS Lahore • Two-week orientation programme, UVAS Lahore • One-month induction training, School Education Department, Government of the Punjab, November 2012 • Two-week professional development training, Sadiq Public School / AFAQ, Bahawalpur, August 2010 • One-week staff competence training, CUVAS Bahawalpur, May 2019 • Six-month computer short course, Bahawalpur

PUBLIC ENGAGEMENT AND SCIENCE COMMUNICATION

- University media coordination across two terms as Public Relations Officer: 117 clippings (Nov 2025 – Mar 2026) and 120 clippings (18 Jun – 30 Jul 2026), a cumulative record above 237 clippings across 63 newspapers. Sole writer, compiler and editor; no expenditure incurred by the university.
- Placements across English and Urdu dailies including Dawn and Nawa-i-Waqt, alongside Daily Sutlej, Daily Kainat, Daily Nayakal and Daily The Climax.
- Dual-language public health series in English and Urdu, ongoing.
- Op-ed published 2 September 2026 in BBC Bahawalpur and Daily Kainat Bahawalpur: 'What Comes After a PhD? Pakistan's Missing Middle in Independent Scientific Research'.

ANALYTICAL COMPETENCIES

GC-MS (electron ionisation, full scan) • ATR-FTIR spectroscopy • SEM-EDX • Atomic absorption spectroscopy • BCR sequential extraction • Oxidative-stress biomarkers (SOD, CAT, MDA, GSH) • Histopathology (H&E) • Micronucleus and comet assays • Pollution risk indices and human health risk assessment • Density separation and enzymatic digestion • GIS-based spatial analysis

AWARDS, MEMBERSHIPS AND RECOGNITION

- Member, IUCN Commission on Education and Communication (CEC), 2026–2029. Membership approved July 2026.
- Member, IUCN Climate Action Commission (CAC), 2026–2029. Membership approved September 2026.
- Member, IUCN World Commission on Protected Areas (WCPA), 2026–2029. Membership approved 23 September 2026.
- HEC ASIP Grant, Higher Education Commission of Pakistan, 2024.
- PSF STFS Bond Completion Certificate, ref. PSF/STFS/34-II/2016-17.
- Letter of Appreciation, Prime Minister's Laptop Scheme distribution, Vice Chancellor, GC University Faisalabad, November 2016.
- Three Letters of Appreciation from the Punjab Textbook Board for errors identified in General Science and Biology textbooks; acknowledgement from Oxford University Press for an error identified in an O-Level Biology textbook.
- Research Supervisor, Pakistan Science Foundation — National Science Talent Farming Scheme, Phases 1 and 2.
- Memberships: National Academy of Young Scientists, Pakistan; Zoological Society of Pakistan; Applied Zoological Society of Pakistan; Board of Studies, Department of Zoology, CUVAS; Editorial Board, International Journal of Fisheries and Aquatic Studies.
- Elected President, Zoological Society, GC University Faisalabad, 2015–2017.

Last updated 3 October 2026. Complete and current records: ORCID 0000-0002-8446-8342; Scopus Author ID 59158123200.