

PERSONAL INFORMATION

NAME Dr. Huma Naz
ADDRESS Apartment No. F-5 Young Faculty Suits,
 Cholistan university of Veterinary and Animal Sciences,
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**WORK EXPERIENCE****RESEARCH INTEREST**

Freshwater Fisheries
 Environmental toxicology
 Aquatic animal health
 Nanoparticles
 Toxicity Assay
 Antioxidant Enzymes
 Biochemical techniques

RESEARCH PROJECTS ACQUIRED

- 2021-2025 NRUP Project No. 15115 “**Exploring the clues of fish skin mucus against pathogenic microbes**” (Completed). Funded by Higher Education Commission Pakistan (2715300 PKR)
- 2018-2020 SRGP Research Project No. 1996: ‘**Estimation of Acetylcholine esterase activity, lipid peroxidation and genotoxicity as a oxidative dynamics in Chinese carps exposed to selected Insecticides.**’ (Completed). Funded by Higher Education Commission Pakistan (0.472 million)

RESEARCH STUDENT SUPERVISED (M. Phil: 33 PhD: 06)

Cholistan University of Veterinary and Animal Sciences Bahawalpur, Punjab, Pakistan

(PhD Scholars Projects)

1. **Therapeutic Analyses of Collagen isolated from fish byproducts**
2. **Extraction and Characterization of Chitin and Chitosan from Prawns shell and fish scale Nile tilapia (*Oreochromis niloticus*)**
3. **Antimicrobial characterization of epidermal mucus of *Oreochromis niloticus* and *Labeo rohita***
4. **Purification of enzymes, Peptides and glycoproteins as anti-microbial agents from fish Skin mucus**
5. **Effect of green synthesized iron oxide nanoparticles on *Labeo rohita* and *Catla catla***
6. **Microplastic as an emerging threat to freshwater Fishes: Environmental and Health Implication (Supervisory Committee member)**

2022-2026

My role in the projects included conceiving the research ideas, guiding researchers through hands-on training in various scientific techniques and equipment, conducting data analysis, revising the final drafts of theses and research articles, arranging research funding, and troubleshooting issues

related to scientific research.

EDUCATION

PhD Zoology

Department of Zoology, University of Agriculture Faisalabad, Pakistan

2013-2017 Title: Evaluation of biochemical and molecular changes in major carps exposed to pesticides mixtures

Principal objective of the study was to explore the effect of toxicant antioxidant enzymes and genotoxicity in fish by using micronuclei assay and comet assay

M.Phil. Zoology

Department of Zoology, University of Agriculture Faisalabad, Pakistan

2011-2013 Title: Studies on the purification and characterization of superoxide dismutase in (Pb+Cr) exposed *Labeo rohita*

Principal objective was to Isolate enzymes from fish (*Labeo rohita*) by Ion-exchange chromatography, size exclusion chromatography and kinetic characterization of enzyme (SOD)

M.Sc. Zoology

Department of Zoology, University of Agriculture Faisalabad, Pakistan

2008-2010 Title: Studies on the toxic effect of iron, zinc, lead and nickel mixture to the fish, *Cirrhina mrigala*

Principal objective was to check the acute toxicity in term of LC50 and lethal concentration of metals mixture for fish

TEACHING EXPERIENCE (8.5 Years)

Nov 2018 to date - **Assistant Professor of Zoology**
Cholistan University of Veterinary and Animal Sciences Bahawalpur, Pakistan

Jan 2018 – Nov 2018 **Assistant Professor of Zoology**
Government College Women University, Sialkot Pakistan

Nov 2015-Jan 2016 **Teaching Assistant in Department of Zoology**
University of Agriculture Faisalabad, Pakistan

TECHNICAL AND LABORATORY SKILLS

Toxicity Assay

- Acute Toxicity assay
- (LC50 and Lethal), conduct and performed Probit Analyses
- Chronic assay

Biochemical and Biotechnology Techniques

- Isolation of Chitosan
- Isolation of Collagen
- Isolation of enzymes, proteins, glycoprotein
- Centrifugation
- Preparation of Ion exchange column and Gel filtration column chromatography
- Buffer Preparation
- Kinetic characterization (against pH, Buffer, Temperature)
- Enzymes assay

Genotoxicity Assay

- Anti-inflammatory assay
- Micronuclei Assay and Comet assay

ACQUIRED SCHOLARSHIPS/AWARDS

- **“Appreciation Letter”** awarded by VC Chancellor CUVAS, BWP on winning Prof. Dr. Muhammad Naeem Khan 5th Gold medal in **the field of Aquaculture**.
- **Prof. Dr. Muhammad Naeem Khan 5th Gold medal** in **the field of Aquaculture** awarded by the Applied Zoological Society of Pakistan (AZSP) in International conference on Applied zoology held on 22nd- 23rd October, 2024.
- **“Certificate of Appreciation”** awarded by VC Chancellor in recognition of outstanding achievement in securing the **highest impact factor for research and publication** at CUVAS (2018-2023)
- **Certificate of Appreciation** awarded by VC Chancellor for outstanding contribution as Principle Investigator (PI) for “Project Exploring the Clues of fish skin mucus against pathogenic microbes” (July 12, 2024)
- **Letter of appreciation** to complete PhD within minimum duration (Within seven semester)
- **“PhD Fellowship Program”** Scholarship in PhD. Zoology during session 2013-2015.

PRESENTATIONS/CERTIFICATES/SEMINARS/WORKSHOP

- Organized one day seminar titled **“Exploring the clues of fish skin mucus against pathogenic microbes”** on 5th December, 2025 at CUVAS, Bahawalpur.
- Organized three days **Cascading Training Session: STEM Faculty Training Under Pak-UK Education Gateway** From October 28-30, 2025 at CUVAS, BWP.
- Attended **“STEM Faculty Training Under Pak-UK Education Gateway”** in UK from 4th - 8th August 2025, organized and funded by British Council with the collaboration of HEC, Pakistan.
- Attended training under **“National outreach Program for Higher Education Faculty”** From 21st April-8th May 2025 at CUVAS, Organized and Funded by HEC, Pakistan.
- Attended one day seminar on **“Malaria Ends with Us: Reinvest Reimagine, Reignite”** held on 14th March, 2025.
- Attended Two days **“7th International Conference on Applied Zoology”** held on 22nd- 23rd October, 2024.
- Two Days workshop on **“A framework for Desert Biodiversity and Sustainable Ecosystem”** September 26th-27th, 2024 organized by Department of Zoology, CUVAS, Bahawalpur.
- One day Symposium on **“Sustainable Aquaculture: Sustaining the blue Economy in a Green Future”** August 29th 2024 organized by Department of Zoology, CUVAS, Bahawalpur.
- One Day Seminar on **“Connecting People and Planet: Exploring digital innovation in Wildlife Conservation**, 05 March 2024, organized by Department of Zoology, CUVAS, Bahawalpur
- One day seminar on **“Assessment of Desert Ecosystem through Animals”** 01 March 2024 organized by Department of *Anatomy and Histology*, CUVAS, Bahawalpur.
- Attended **“All Punjab Universities Innovation Expo 2023”** Organized by PHEC on 20th November, 2023.
- Two-day workshop on **“Innovations in biochemistry, Veterinary medicine and pharmacology”** Feb 6-7th, 2023 organized by Department of Physiology and Biochemistry” CUVAS, Bahawalpur.
- Two-day workshop on **“Self-Assessment Report Writing”**, organized by Quality enhancement cell (QEC), CUVAS, Bahawalpur, on 09-10 August, 2023.
- *One-week online training workshop on “Faculty Orientation Training” November 2nd-6th, 2020 organized by PHEC, Lahore.*
- One day seminar on **“One day international symposium on zoonotic diseases of camel” 11-07-2019** organized by Department of Parasitology, CUVAS, Bahawalpur.

- Two-day training workshop on “**In-service competency Enhancement Training for Young University Faculty**” April 25-24th, 2019 organized by ORIC, CUVAS, Bahawalpur.
- Two-day 1st International workshop on “**Biodiversity: Techniques and Tools**”, April 4-5, 2019 organized by Department of Zoology, CUVAS, Bahawalpur.
- One day Seminar cum workshop on “**Writing Award Winning Proposal for Technology Development Fund**” Sialkot Chamber of Commerce and Industries August 16, 2018.
- One day Hand-on workshop on “**Biosafety practices in laboratory**” organized by Zoological Society, GCWUS in Collaboration with National Academy of Young Scientists (NAYS) and ORIC, GCWUS, April 12, 2018.
- One day Seminar about “**Hult Prize for Start-ups Acceleration**” April 5, 2018
- Attended National Seminar on “**Climate Warming Impacts on Fish Biodiversity**” held at Fish Biodiversity Hatchery Chashma Lake, District Mianwali on April 26, 2016.
- Attended 5th International Fisheries Symposium held at Pearl Continental Hotel Lahore, Pakistan on February 24-25, 2015
- Attended 34th Pakistan Congress of Zoology (International) held at Bahauddin Zakariya University, Multan, Pakistan on February 25-27, 2014
- Attended National Seminar on “Management of Open Water Fisheries in Pakistan, Issues and Options” held at Chashma Lake, District Mianwali on April 28, 2012.
- Attended 30th Pakistan Congress of Zoology (International) held at University of Agriculture, Faisalabad, Pakistan on March 2-4, 2010.

PUBLICATIONS

TOTAL NO. OF PUBLICATIONS: IF= 75.985 91 (77 research article; 1 review paper; 13 book chapter); **Conference Publications: 38**

Sr.#	Title	Year	IF
1	Huma Naz, Sajid Abdullah, Tanveer Ahmed, Khalid Abbas, Muhammad Umar Ijaz, Qudrat Ullah, Shabana Naz, Rifat Ullah Khan, Luciana Rossi, Sohail Ahmad and Rasha Alonaizan. Integrated Biomarker Assessment of Bifenthrin, Chlorpyrifos and Endosulfan Toxicity in Indigenous Carps (<i>Catla catla</i> and <i>Labeo rohita</i>): Oxidative Stress, Genotoxicity and Nuclear Alterations. Veterinary Medicine and Science, 2026; 0:e71230 https://doi.org/10.1002/vms3.71230 .	2026	2.1
2	Syed Ali Ayub Bukhari, Syed Qaswar Ali Shah, Muhammad Naeem, Huma Naz and Muhammad Rafiq. Transforming Fish Health through Nanotechnology and Probiotics: Hematological Evidence from <i>Labeo rohita</i> . Egyptian Journal of Veterinary Sciences, pp. 1-9.	2026	1.4
3	Muhammad Ashraf, Syed Qaswar Ali Shah, Muhammad Naeem, Mubashar Rauf and Huma Naz. Effects of iron oxide nanoparticles, vitamin C, and vitamin E on growth performance and hematological indices of <i>Cyprinus carpio</i> . The Journal of Basic and Applied Zoology, 87:86. https://doi.org/10.1186/s41936-026-00621-2	2026	1.7
4	Maham Shafiq, Sheraz Ahmed, Huma Naz, Saira Tanweer, Muhammad Umar Shafiq, Nida Bibi, Muhammad Rizwan Tariq, Maham Khalid, Fatima Khanum, Mohammed Saeed Alkaltham, Muhammad Shoaib, Gulzar Ahmad Nayik. Valorization of Papain Recovered from Papaya Peel Waste for Sustainable Food Applications. Waste and Biomass Valorization https://doi.org/10.1007/s12649-026-03727-	2026	3.1
5	Syed Ali Ayub Bukhari, Syed Qaswar Ali Shah, Muhammad Naeem, Huma Naz and Muhammad Rafiq. Impact of Nanoparticles and Probiotics on Elemental composition of <i>Labeo rohita</i> . Egyptian Journal of Veterinary Sciences, pp. 1-12.	2026	1.4
6	Sabir A., Arsalan M.Z.H., Ahmed T., Hussain S.M., Ali S., Naz H., Akram Z., Naeem A., Naeem E. Phytase supplementation enhances mineral digestibility and blood indices in <i>Catla catla</i> fed plant-based diets. Iranian Journal of Fisheries Sciences. 2026, 25(2) 197-214	2026	0.8
7	Rehman NU, Shah SQA, Naeem M, Naz H, Rafiq M (2026) Proximate body composition, elemental concentration and enzymatic activity analysis of <i>Catla catla</i> exposed to the nanoparticle (CuO-NPs) and Vitamin C. PLoS One 21(2): e0339412. https://doi.org/10.1371/journal.pone.0339412	2026	2.6

doi.org/10.1371/journal.pone.0339412

8	Akram I, Naz H, Mehreen A, Iram M, Zulfiqar I, Burhan Ul Din, Afzal A, Yousaf M, Nigmatovich AH and Ashirova A, Impact of chromium toxicity on growth, hepatosomatic index, and nuclear alteration in <i>L. rohita</i> . Chemistry and Ecology, 42(2)2026.	2025	3.2
9	Huma Naz, Sajid Abdullah, Tanveer Ahmed, Najeeb-Ur-Rehman, Basharat Ali, Kousar Aziz, Muhammad Adeel Hassan, Nimra Zahid, Warisha Saif, Muhammad Ahmad, Mahnoor Chaudary, Rashid Iqbal, Abeer Hashem, Graciela Dolores Avila-Quezada, Khalid F. Almutairi & Elsayed Fathi Abd_Allah. Acute Insecticides Mixture Induced Oxidative Stress, DNA Damage and Nuclear Abnormalities in Three Economically Important Freshwater Species <i>Catla catla</i> , <i>Cirrhina mrigala</i> , and <i>Labeo rohita</i> . Sains Malaysiana 54(9)(2025): 2113-2123.	2025	0.8
10	Ijaz MU, Ahmad H, Salar MZ, Batool M, Naz H and Hamdi H, 2025. Combretol mitigates paclitaxel-instigated hepatotoxicity via counteracting oxidative stress, apoptosis and inflammation. Pak Vet J. http://dx.doi.org/10.29261/pakvetj/2025.293	2025	6.4
11	Rasheed S, Shah SQA, Naz H and Ahmad AS 2025. Prevalence and antibiotic resistance profiles of quinolone-resistant bacteria from freshwater fish farms in southern punjab, pakistan. Pak Vet J. http://dx.doi.org/10.29261/pakvetj/2025.248	2025	6.4
12	Hira Asad, Tanveer Ahmed, Huma Naz, Khalid Abbas, Fariha Latif, Saba Suleman, Rana Zeeshan Habib, Zainab Bashir, Muhammad Tayyeb Rizwan, Rashid Iqbal, and Ayman A. Swelum. Impact of Green-Synthesized Zinc Oxide Nanoparticles (ZnO NPs) on the Biochemical and Histological Profiles of <i>Cyprinus carpio</i> . Aquaculture Research Volume 2025, Article ID 5327177, 10 pages https://doi.org/10.1155/are/5327177 .	2025	1.9
13	Kirn, S., Naz, H., Ahmed, T., Abbaasi, F., Saheen, A., Asad, H., Prince, K., Ahmed, S., Umar Ijaz, M., Ali, B., Manzoor, M., Zidan, N. S., Sakran, M., Alalawy, A., Al-Duais, M., Omran, A., El Askary, A., Elsabagh, A. Acute chromium exposure induced alterations in behavioral, enzymatic and geno-toxic responses of <i>Ctenopharyngodon idella</i> . Applied Ecology and Environmental Research 23(5):8711-8724.	2025	0.6
14	Zulfiqar, I., Naz, H., Ahmed, T., Batool, M., Khan, M. F., Ali, B., Zidan, N. S., Sakran, M., Al-Duais, M. A., Omran, A. M. E., El Askary, A., El Sabagh, A. Assessment of acute toxicity, growth performance, hepatosomatic index and histo-morphometry of <i>Labeo rohita</i> exposed to Cr+Cd mixture. Applied Ecology and Environmental Research, 23(5):8725-8740.	2025	0.6
15	Raheel S.M.M.U., A.A. Qazi, M. Latif, H. Naz, Y. Waqas and M. Lackner. Unveiling the Microplastics Menace in Freshwater Fishes: Evidence from the Panjnad Barrage, South Punjab, Pakistan. Fishes 2025, 10, 198. https://doi.org/10.3390/fishes10050198	2025	1.9
16	Shah SQA, Mehmood K, Rashid MI, Naz H, Sohail ML, Naseer O, Ali S and Ahmad AS, 2025. Prevalence, Morphological and Molecular characterization of <i>Lernaea cyprinacea</i> isolated from major carps of Southern Punjab, Pakistan. Pak Vet J, 45(1): 422-427. http://dx.doi.org/10.29261/pakvetj/2024.308	2025	5.4
17	Hayat MF, Javed M, Andleeb R, Ashraf A, Naz H, Ahmed MZ, Ayesha Ishtiaq. Reno-protective potential of poncirin against polyethylene microplastics instigated kidney damage in rats via regulating Nrf-2/Keap-1 pathway. J King Saud Uni Sci. 2024; 36(1) e103486). https://doi.org/10.1016/j.jksus.2024.103486 .	2024	3.7
18	Marium, A., Naz, H., Ahmed, T., Muhammad U.I., Usman, M., Manzoor, Z., Ali, B., Omran, A., Alanaz, Y.F., Jame, R.M.A. & EL-Sabagh, A. Evaluation of catalase activity, gill histology and genotoxic effects of cadmium in tilapia (<i>Oreochromis niloticus</i>) Fingerlings. Sains Malaysiana 53(7)(2024): 1477-1491.	2024	0.7
19	Ajmaal R, Naz H, Mehmood K, Batool M, Rehman NU, Ahmed T, Shah SQA, Safdar W, Imam S, Ijaz MU, Usman M. Histo-morphomere indices and catalase response in muscles, gills and intestine of cadmium stressed <i>Hypophthalmichthys molitrix</i> . Pakistan J. Zool.	2024	0.60
20	Parveen S, Abbas K, Tayyab M, Hussain M, Naz H, Shafque L. 2024. Microsatellite and mtDNA-based exploration of inter-generic hybridization and patterns of genetic diversity in major carps of Punjab, Pakistan. Aquaculture International https://doi.org/10.1007/s10499-024-01425-3	2024	2.9
21	Naz H, Abdullah S, Latif F, Abbaasi F, Hadayat N, Ahmed T, Abbas K, Hassan MA. Sub-Lethal effects of endosulfan+chlorpyrifos mixture on biochemical parameters and blood genotoxicity markers of two Cyprinidae fish species <i>Catla catla</i> and <i>Labeo rohita</i> . Pakistan J. Zool. 2023; 55(5):1-10.	2023	0.687
22	Iqbal N, Mateen A, Shafique L, Naz H, Rehman SU, Nazir N, Liu Q. Analyses of growth performance and whole body composition of <i>Labeo rohita</i> fed with bone meal diet. Pakistan J. Zool. 2023; 55(2): 1-5.	2023	0.687

23	Riaz S, Abbas K, Ahmed T, Naz H, Amjad H, Ahmad S. 2023. Assessing the impact of genotype and environment interaction on growth performance of hatchery produced <i>Catla catla</i> . Pakistan J. Zool. 2023; 55(2): 913-920.	2023	0.687
24	Maryam S, Naz H, Omran A, Alanazi YF, Usman M, Ijaz MU, Shah SQA, Qazi AA, Ali B, Ali H, Alasmari A, Heidary K. Determination of histological and genotoxic parameters of Nile Tilapia, <i>Oreochromis niloticus</i> exposed to lead (Pb). Cellul. Mol. Biol. 69(4): 7-15	2023	1.6
25	Ahmed T, Abbas K, Naz H, Abdullah S, Shah SQA, Khalil A, Ahmad S, Amjad H, Ahmad S. Microsatellite DNA markers revealed low to moderate level of genetic diversity in domestic stocks of <i>Catla catla</i> . Pakistan J. Zool. 2023; pp 1-8.	2023	0.687
26	Naz H, Abdullah S, Ahmed T, Abbas K, Ijaz MU, Kumar S, Hassan MA. Toxicity, oxidative stress and geno-toxicity: lethal and sub-lethal effects of three different insecticides mixtures on <i>Cirrhina mrigala</i> . J. Ani. Plant. Sci. 2022; 32(1): 256-265.	2022	0.490
27	Ijaz MU, Mustafa S, Batool R, Naz H, Ahmed H, Anwar H. Ameliorative effect of herbacetin against cyclophosphamide-induced nephrotoxicity in rats via attenuation of oxidative stress, inflammation, apoptosis and mitochondrial dysfunction. Human. Exp. Toxicol. 2022; 41: 1–13.	2022	2.90
28	Ishtiaq A, Ijaz MU, Ehsan N, Imran M, Naz H, Alvi K, Zhu G. Therapeutic effect of oroxylin A against bisphenol A-induced kidney damage in rats: A Histological and biochemical study. Pak. Vet. 2022; J. 42(2): 511-516.	2022	1.76
30	Naz H, Abdullah S, Abbas K, Ahmed T, Ijaz MU, M.A. Hassan, L. Shafique, Q. Liu, and P. Zhu. Comparative study: Antioxidant enzymes, DNA damage and nuclear abnormalities in three fish species <i>Cirrhina mrigala</i> , <i>Catla catla</i> and <i>Labeo rohita</i> exposed to insecticides mixture (endosulfan+chlorpyrifos+bifenthrine). Pak. J. Agri. Sci. 2022; 59(2). 295-301.	2022	0.856
31	Ijaz MU, Aziz S, Faheem M, Abbas K, Nasir S, Naz H, Ali A, Rehman TU, Imran M. Orientin attenuates cisplatin-induced renal toxicity by reducing oxidative stress and inflammation. Pak. Vet. J. 2021; 41(4):574-578.	2021	1.803
32	Naz H, Abdullah S, Ahmed T, Abbas K, Ijaz MU, Zia MA, Thermal stability of purified superoxide dismutase from liver of commercially valuable fish, <i>Labeo rohita</i> exposed to Pb+Cr mixture. Pak. J. Agri. Sci. 2021; 58(4)1191-1196.	2021	0.856
33	Naz H, Abdullah S, Ahmed T, Abbas K, Ijaz MU. Regression analysis for predicting the duration dependent response of oxidative stress dynamics and nuclear anomalies in <i>Catla catla</i> exposed to chlorpyrifos and endosulfan. J. Ani. Plant. Sci. 2021; 31(4): 1167-1173.	2021	0.490
34	Kanwal S, Abbas K, Ahmed T, Abdullah S, Naz H, Zia MA, Ahmed Z. Description of isolated bacterial pathogens from diseased <i>Cirrhinus mrigala</i> . Aquacult. Res. 2021; 52(5): 2130-2137.	2021	1.74
35	Tufail F, Abdullah S, Naz H, Abbas K, Ahmed T, Ijaz MU. Partial purification and kinetic characterization of renal catalase from carnivorous fish, <i>Channa striata</i> exposed to pesticides mixture, deltamethrin+endosulfan. Pak. J. Agri. Sci. 2020; 56(5), 1287-1291.	2020	0.748
36	Ijaz MU, Khan MA, Yousaf S, Nasir S, Naz H, Anwar H, Younis T, Samad A. Methanolic extract of <i>Fraxinus xanthoxyloides</i> attenuates cisplatin-induced reproductive toxicity in male albino rats. Pak. Vet. J. 2020; 40(4): 489-493.	2020	1.175
37	Yang H, Wei X, Wang R, Zeng L, Yang Y, Huang G, Shafique L, Ma H, Lv M, Ruan Z, Naz H, Lin Y, Huang L, Chen T. Transcriptomics of <i>Cherax quadricarinatus</i> hepatopancreas during infection with Decapod iridescent virus 1 (DIV1). Fish. Shellfish. Immunol. 2020; 98:832-842.	2020	3.298
38	Lv M, Gan H, Ruan Z, Yang H, Wang R, Shafique L, Naz H, and Ma H. Distributions of and correlations between Cd, Cr, and Hg concentrations in suspended particles and sediment in aquaculture ponds and in <i>Cirrhinus molitorella</i> tissues. Pak. J. Zool., 2020; 52(5):1735-1743.	2020	0.831
39	Naz H, Abdullah S, Abbas K, Hassan W, Batool M, Perveen S, Maalik S, Mushtaq S. Toxic effect of insecticides mixtures on antioxidant enzymes in different organs of fish, <i>Labeo rohita</i> . Pak. J. Zool. 2019; 51(4):1355-1361.	2019	0.790
40	Naz H, Abdullah S, Zia MA, Abbas K. Thermodynamic characterization of kidney superoxide dismutase from <i>Labeo rohita</i> exposed to the mixture of lead and chromium. Pak. J. Zool. 2019; 51(3):1105-1112.	2019	0.790
41	Nida Ismat, Sajid Abdullah, Khalid Abbas, Abdul Mateen, Wardha Hassan, Huma Naz and Syeda Andleeb. Studies on the activity of digestive enzymes in <i>Labeo rohita</i> fingerlings fed with formulated feeds. Pakistan Journal of Zoology. Suppl. Ser., No.13, PP. 233-237.	2018	0.790
42	Sajid Abdullah, Abdul Mateen, Khalid Abbas, Huma Naz, Wardah Hassan and Saliha Anum. Changes in antioxidant enzyme (Glutathione S-transferase) activity in fish <i>Channa Striata</i> exposed to the different aquatic pollutants (heavy metals and pesticides mixture). Pakistan	2018	0.790

	Journal of Zoology, Suppl. Ser., No.13, PP. 42-47.		
43	Anum Rafique, Sajid Abdullah, Khalid Abbas, Huma Naz and Wardah Hassan. Purification and partial characterization of superoxide dismutase from kidney of <i>Hypophthalmichthys molitrix</i> under exposure of metals mixture. Pakistan Journal of Zoology. 50(3): 831-836.	2018	0.790
44	Huma Naz , Sajid Abdullah, Khalid Abbas and Muhammad Anjum Zia. Pesticides mixture toxicity; effects on superoxide dismutase activity in Indian major carps. Pak. J. Agri. Sci., 54(3):607-611.	2017	0.64
HEC RECOGNIZED JOURNALS			
45	Muhammad Rizwan, Huma Naz , tanvir Ahmad, Mr. Muhammad Ahmad, Sajid Abdullah, Nimra Zahid, Muhammad Usman, Syed Qaswar Ali Ali. Acute toxicity, catalase activity and histological examination of Cd+Pb mixture stressed tilapia. Punjab Univ. J. Zool., 41(2): 171-179. https://dx.doi.org/10.17582/journal.pujz/2026/41.2.171.179 .	2026	X-Category
46	N. Majeed, T. Ahmed, A. Yaseen, H. Naz , M. H. Babar, E. Tanveer, M. Ali, N. Mukhtar and Z. Bashir. Linking Metal Contamination to Catalase Activity in Labeo rohita: Insights from the Indus River of Pakistan. Journal of Zoology and Systematics. DOI: https://doi.org/10.56946/jzs.v3i1.669 .	2025	Y-Category
47	Batool M., A. Mir, H. Naz , Q.U. Ain S. Maalik, S. Mushtaq, S. Bano, G. Abbas, M. Mahmood and S. Rauf. 2025. Effects of garlic (<i>Al lium sativum</i>) supplementation on growth, haematological parameters and antioxidant enzyme status in Labeo rohita. Sarhad Jurnal of Agriculture, 41(5): 217-227.	2025	Y-Category
48	Fiaz S, Naz H , Zulfikar I, Mehmood K, Jabbar M, Shah SQA, Usman M. Toxicity, Histology, hepato-somatic index and growth responses of cadmium stressed Labeo rohita. Punjab Uni. J. Zool. 39(1): 79-85.	2024	X-Category
49	Naz H , Abdullah S, Ahmed T, K. Abbas, Shah SQA, Rizwan M, F. Latif, A.A. Qazi, M.A. Hassan. chlorpyrifos and endosulfan mixture induced DNA damage and nuclear anomalies in RBCs of <i>Labeo rohita</i> Assessed through comet and micronucleus assay. Punjab Uni. J. Zool. 2024; 39(1): 07-13.	2024	X-Category
50	Qazi AA, Ali M, Farooq Z, Latif M, Naqvi SAA, Iqbal R, Naz H , Jalbani S, Iqbal KJ, Jabeen F, Maik K, Iqbal MA, Hamidullah. Anthropogenic activities and water quality: A case of river Sutluj, Pakistan. Pak. J. Sci. Ind. Res. B: Biol. Sci. 2023; 66B (1):74-80.	2023	Y-Category
51	Minhas R, Abdullah S, Naz H , Abbas K, Ahmed T, Zahid N. Evaluation of genotoxicity induced by cobalt to freshwater fish, <i>Cirrhina mrigala</i> using Micronuclei Assay. J. Zoo Biol. 2022; 04 (01): 19-25	2022	Y-Category
52	Shahbaz M, Abdullah S, Naz H , Abbas K, Ahmed T, Mehmood S, and Hussan MA, 2021. Evaluation of catalase activity in organs of fresh water fish, <i>Ctenopharyngodon idella</i> fed with vitamin E. Punjab Univ. J. Zool. 2021; 36(2): 171-174.	2021	Y-Category
53	Abdullah S, Naz H , Abbas K, Nazir U, Basharat M, Ahmed T, Qazi AA. Micronucleus assay as a biomarker to diagnose lead, chromium and cadmium induced genotoxicity in erythrocytes of carnivorous fish, <i>Wallago attu</i> . Punjab Uni. J. Zool. 2021; 53(5),1997-2000.	2021	Y-Category
54	Munir A, Abdullah S, Naz H , Abbas K, Ahmed T, Farooq Z. Tissue-specific response of peroxidase activity in <i>Channa striata</i> under acute exposure of pesticides (deltamethrin + endosulfan) mixture. Punjab Uni. J. Zool. 2021; 35(2):147-151.	2021	Y-Category
55	Batool M, Abdullah S, Naz S , Hussain M, Maalik S, Mushtaq S, Ahmed T and Shafique L. Evaluation of growth performance and bioaccumulation pattern of metals in catfish species, <i>Channa marulius</i> and <i>Wallago attu</i> under cadmium and chromium toxicity. Punjab Uni. J. Zool. 2021; 35(2): 125-130.	2021	Y-Category
56	Naqvi SMA, Tahir S., Ahmed T, Naz H , Gilani A, Liaqat A, Relative weight relationship to proximate body composition of wild <i>Rita rita</i> (Hamilton, 1822). Punjab Univ. J. Zool. 2021; 36(1): 25-30.	2021	Y-Category
57	Aziz K, Abbas K, Ahmed T, Abdullah S, Naz H , Shah SQA, Ahmad S. Catalase activity in response to metals in freshwater fish <i>Catla catla</i> . Abasyn J. Life Scie. 2020; 3 (2): 66-72.	2020	Y-Category
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Conference Publications: 38

Administrative Assignments Deputy Director Student Affairs (Female)
Deputy Director Career Counselling Centre
Hostel Warden (Female)

Computer skills

- MINITAB Software
- Graph Pad Prism
- Statistix Software
- Microsoft Word Office/Power Point
- Having Good Presentation Skills
- Having Efficient Typing Speed

Languages

- English (Reading, Listening, Speaking, Writing).
- Urdu (Reading, Listening, Speaking, Writing).

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- ORCID: <https://orcid.org/0000-0003-3465-0960>
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