

Curriculum Vitae



Sana Ullah, Ph.D.

Assistant Professor, Department of Zoology

**Division of Science and Technology, University of Education Lahore, Jauharabad Campus,
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Date of Birth: 01/01/1991	Nationality: Pakistani	Domicile: Dir Lower	Gender: Male
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Education

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| 2016-19 | Doctor of Philosophy (Ph.D.) in Biology (Zoology) from Nanjing University, People's Republic of China in 1 st division, secured 366 out of 400 total marks. |
| 2014-15 | Master of Philosophy (M.Phil.) in Animal Sciences (Fisheries & Aquaculture) from Quaid-i-Azam University Islamabad in 1 st division, secured 4 out of 5 CGPA |
| 2012-13 | Post Graduate Diploma (PGD) in Geographic Information System & Remote Sensing from University of Peshawar in 1 st division, secured 2.9 out of 4 CGPA |
| 2011-12 | Master of Sciences (M.Sc.) in Zoology (Fisheries) from University of Peshawar in 1 st division, secured 906 marks out of 1200 total marks. |
| 2009-10 | Bachelor of Science (B.Sc.) from University of Malakand in 1 st division, secured 441 marks out of 550 total marks. |
| 2007-08 | Intermediate (F.Sc.) from Board of Intermediate & Secondary Education Malakand in 1 st division, secured 738 marks out of 1100 total marks. |
| 2005-06 | Matric (S.S.C) from Board of Intermediate & Secondary Education Malakand in 1 st division, secured 853 marks out of 1050 total marks. |

Professional Education

- 2013 Bachelor of Education (B.Ed.) from University of Malakand (at Chakdara District Lower Dir) in 1st division, secured 810 marks out of 1100 total marks (2nd Position in order of Merit).
- 2012 Certificate of Teaching (CT) from Allama Iqbal Open University Islamabad in 1st division, secured 667 marks out of 900 total marks.
- 2009 Diploma in Information Technology (DIT) from Khyber Pakhtunkhwa Board of Technical Education Peshawar, secured 1393 marks out of 1700 total marks (2nd Position in order of merit in whole KP Province).
- 2008 Primary Teaching Certificate (PTC) from Allama Iqbal Open University Islamabad in 1st division, secured 644 marks out of 900 total marks.

Work Experience

- **Assistant Professor**, Department of Zoology, Division of Science and Technology, University of Education Lahore, Jauharabad Campus, Jauharabad-41200, District Khushab, Punjab, Pakistan [17/09/2020 - Current].
- **IPFP Fellow**, Department of Zoology, Shaheed Benazir Bhutto University (SBBU), Sheringal, District Upper Dir, Khyber Pakhtunkhwa, Pakistan [04/08/2020-15/09/2020].
- **Assistant Mentor**, National Faculty Development Program 2020, National Academy of Higher Education (NAHE) , Higher Education Commission (HEC) of Pakistan [01/06/2020-10/07/2020].

Publications

- Wang, L., Luo, Y., Maierdiyali, A., Chang, H., **Ullah, S.** and Li, Z. 2021. Azure-winged magpies passed the tasks on the Uzgiris-Hill scale of object permanence. Journal of Ornithology. <https://doi.org/10.1007/s10336-021-01856-2>. IF: 1.286
- Rajper, S.A., Nazir, A., ***Ullah, S.** and Li, Z. 2020. Perceived health risks of exposure to indoor air pollution from cooking fuels in Sindh, Pakistan. Polish Journal of Environmental Studies. 29(4): 2833-2844. IF: 1.383
- ***Ullah, S.**, Hasan, Z., Li, Z., Zuberi, A., Zorriehzakra, M.J. and Nabi, G. 2020. Diversity and community composition of ichthyofauna at Konhaye stream, district Dir Lower, Pakistan. Iranian Journal of Fisheries Sciences. 19(5): 2322-2339. IF: 0.711
- Wang, L., Lou, Y., Wang, H., Zou, Y., Yao, H., **Ullah, S.** and Li, Z. 2020. Azure-winged magpies fail to understand the principle of mirror imaging. Behavioural Processes. 177: 104155. IF: 1.846
- **Ullah, S.**, Li, Z., Arifeen, M.Z.U., Khan, S.U. and Fahad, S. 2019. Multiple biomarkers based appraisal of deltamethrin induced toxicity in silver carp (*Hypophthalmichthys molitrix*). Chemosphere. 214: 519-533. IF: 5.778
- ***Ullah, S.**, Li, Z. 2019. Hydro-electric power in the Panjkora basin at the expense of environmental deterioration and biodiversity loss – Immediate action required for mitigation. Environmental Science and Pollution Research. 26(1): 1008-1011. IF: 3.056
- ***Ullah, S.**, Li, Z., Zuberi, A., Arifeen, M.Z.U. and Baig, M.M.F.A. 2019. Biomarkers of pyrethroid toxicity in fish. Environmental Chemistry Letters. 17(2): 945-973. IF: 5.922
- Afridi, A.J., Zuberi, A., Yousafzai, A.M., Maria., Kamran, M. and ***Ullah, S.** 2019. Hemp (Marijuana) reverted Copper-induced toxic effects on the essential fatty acid profile of *Labeo rohita* and *Cirrhinus mrigala*. Molecular Biology Reports. 46(1):391-401. IF: 1.402

- Abbas, A., Khan, S.U., Khan, W.U., Saleh, T.A., Khan, M.H.U.K., **Ullah, S.**, Ali, A. and Ikram, M. 2019. Antagonist effects of strains of *Bacillus* spp. against *Rhizoctonia solani* for their protection against several plant diseases: Alternatives to chemical pesticides. *Comptes Rendus Biologies*. 342(5-6): 124-135. IF: 1.904
- Baig, M.M.F.A., Muhammad, N., Abbas, M., Chunxia, M., **Ullah, S.**, Hasnat, M., Shad, A., Muhammad, S., Khan, G.J., Ansari, M.T. 2019. DNA scaffold nanoparticles coated with HPMC/EC for oral delivery. *International Journal of Pharmaceutics*. 562: 321-332. IF: 4.845
- **Ullah, S.**, Li, Z., Hasan, Z., Khan, S.U. and Fahad, S. 2018. Malathion induced oxidative stress leads to histopathological and biochemical toxicity in the liver of rohu (*Labeo rohita*, Hamilton) at acute concentration. *Ecotoxicology and Environmental Safety*. 161(2018): 270-280. IF: 4.872
- ***Ullah, S.**, Zuberi, A., Alagawany, M., Farag, M.R., Dadar, M., Karthik, K., Tiwari, R., Dhama, K. and Iqbal, H.M.N. 2018. Cypermethrin induced toxicities in fish and adverse health outcomes: Its prevention and control measure adaptation. *Journal of Environmental Management*. 206 (2018): 863-871. IF: 5.647
- **Ullah, S.**, Khan, S.U., Saleh, T.A. and Fahad, S. 2018. Mad honey: uses, intoxicating/poisoning effects, diagnosis, and treatment. *RSC Advances*. 8(33): 18635-18646. IF: 3.119
- Rajper, S.A., ****Ullah, S.** and Li, Z. 2018. Exposure to air pollution and self-reported effects on Chinese students: A case study of 13 megacities. *PLoS One*. 13(3): e0194364. IF: 2.74
- Guan, M., Fang, W., **Ullah, S.**, Zhang, X., Saquib, Q. and Al-khedhairi, A.A. 2018. Functional genomics assessment of narcotic and specific acting chemical pollutants using *E. coli*. *Environmental Pollution*. 232: 146-153. IF: 6.792
- Nabi, G., **Ullah, S.**, Khan, Suliman, Ahmad, S. and Kumar, S. 2018. China-Pakistan Economic Corridor (CPEC): melting glaciers—a potential threat to ecosystem and biodiversity. *Environmental Science and Pollution Research*. 25(4): 3209-3210. IF: 3.056
- Amir, I., Zuberi, A., Imran, M. and **Ullah, S.** 2018. Evaluation of yeast and bacterial based probiotics for early rearing of *Labeo rohita* (Hamilton, 1822). *Aquaculture Research*. 49(12): 3856-3863. IF: 1.748
- Dhama, K., Karthik, K., Khandia, R., Munjal, A., Tiwari, R., Rana, R., Khurana, S.K., **Ullah, S.**, Khan, R.U., Alagawany, M., Farag, M.R., Dadar, M. and Joshi, S.K. 2018. Medicinal and Therapeutic Potential of Herbs and Plant Metabolites / Extracts Countering Viral Pathogens – Current and Future Prospects. *Current Drug Metabolism*. 19: 236-263. IF: 2.96
- ***Ullah, S.**, Hasan, Z., Zorriehzahra, M.J. and Ahmad, S. 2017. Diagnosis of endosulfan induced DNA damage in rohu (*Labeo rohita*, Hamilton) using comet assay. *Iranian Journal of Fisheries Sciences*. 16(1): 138-149. IF: 0.711
- ***Ullah, S.**, Hasan, Z. and Zuberi, A. 2016. Heavy metals in three commercially valuable cyprinids in the river Panjkora, district Lower Dir, Khyber Pakhtunkhwa, Pakistan. *Toxicological & Environmental Chemistry*. 98(1): 64-76. IF: 1.05
- ***Ullah, S.**, Begum, M., Ahmad, S. and Dhama, K. 2016. Genotoxic effect of endosulfan at sublethal concentrations in mori (*Cirrhinus mrigala*) fish using single cell gel electrophoresis (comet) assay. *International Journal of Pharmacology*. 12(3): 169-176. IF: 0.692
- **Ullah, S.**, Rahman, K. and Hedayati, M. 2016. Hyperbilirubenemia in neonates: types, causes, clinical examination, preventive measures and treatment: a narrative review article. *Iranian Journal of Public Health*. 45(5): 558-568. IF: 1.291
- ***Ullah, S.**, Hasan, Z. and Dhama, K. 2016. Toxic effects of endosulfan on behavior, protein contents and antioxidant enzyme system in gills, brain, liver, and muscle tissues of rohu, *Labeo rohita*. *International Journal of Pharmacology*. 12(1): 1-10. IF: 0.692

- Ullah, R., Zuberi, A., Muhammad, N. and **Ullah, S.** 2015. Toxicity to hematology and morphology of liver, brain, and gills during acute exposure of mahseer (*Tor putitora*) to Cypermethrin. International Journal of Agriculture and Biology. 17(1): 199-204. IF: 0.822
- Ullah, R., Zuberi, A., **Ullah, S.**, Ullah, I., Ullah, F. 2014. Cypermethrin induced behavioral and biochemical changes in mahseer, *Tor putitora*. Journal of Toxicological Sciences. 39(6): 829-836. IF: 1.737

IF: Current Impact Factor; * = Corresponding Author; ** = Equal Contributor

For more publications - ResearchGate: https://www.researchgate.net/profile/Sana_Ullah22

For Citations - Google Scholar: <https://scholar.google.com/citations?user=1f6AkNwAAAAJ&hl=en>

Memberships

- Sakura Science Club (Japan) – Member
- National Academy of Young Scientist (NAYS) – Coordinator Dir Lower (2010-2015)

Honors and Awards

- Outstanding Performance Award in National Faculty Development Program (NAHE, HEC) (2020)
- Outstanding Ph.D. Graduate of Nanjing University (2019)
- Sakura Exchange Program in Science (Japan Science and Technology Agency) (2018)
- Fully Funded Chinese Government Scholarship for Ph.D. (2016-2019)
- Quaid-i-Azam University Fellowship for Securing 75% Marks (2013-2015)
- Highest Scorer in M.Phil. (Fisheries and Aquaculture group - 2015)
- Silver Middle (2nd Position in order of merit) in B.Ed. (2013)
- Highest Scorer in M.Sc. Zoology (Final year - 2013 - 527/650)
- Highest Scorer in B.Sc. Biological Sciences (2010 - GPGC Timergara)
- 2nd Position in order of merit in D.I.T. (KP BTE - 2009)

Conferences, Seminars, and Presentations

- Dec 10-11, 2020: Participation as an **Invited Keynote Speaker** in the 1st International Conference on Emerging Trends in Inter-Disciplinary Research in Biomedical Sciences (ETIRBS-2020) at the University of Okara, Okara Pakistan. → Delivered a talk on the “Role of Zoology in Biomedical Sciences”.
- Sep 21-23, 2018: **Oral presentation** in the 12th Zoological Conference and Academic Meeting, arranged by Jiangsu Zoological Society in association with Nanjing Agricultural University, Nanjing Normal University, and major Research Institutes from Jiangsu Province of P.R. China. → Won the best thesis award, out of 93 theses (from over 80 universities and research institutes).
- **Ullah, S.** 2018. **Oral Presentation:** Pesticides exposure and hepatotoxicity in fish. Nara Women's University, Nara, Japan (During Japan-Asia Youth Exchange Program (Sakura Science Project) from September 9th to 20th, 2018).
- **Ullah, S.** 2018. **Oral Presentation:** Pesticide exposure and hepatotoxicity induction. School of Environmental Sciences and Resources, Anhui University, Anqing, Anhui.
- Shoaib, A., Zuberi, A., Aslam, S., **Ullah, S.** and Younis, N. 2015. Effect of stocking density on growth performance and survival of *Oreochromis niloticus* in cage culture system. 5th IFS (Fisheries Trade, Investment and Opportunities), Lahore, Pakistan.

- April 2-4, 2014: **Active participation and Oral presentation** in the 33rd Pakistan Congress of Zoology (International) at Pakistan Convention Hall, Jointly arranged by Pakistan Museum of Natural History Islamabad and PMAS Arid Agriculture University, Rawalpindi, Pakistan.
- March 6-8, 2012: **Active participation and Oral presentation** in the 32nd Pakistan Congress of Zoology (International) at Government College University, Lahore, Pakistan.

Languages

Languages	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
Pashto Mother Tongue	C2	C2	C2	C2	C2
Urdu National Language (Fully Proficient)	C2	C2	C2	C2	C2
English IELTS (Academic – 7.5/9 Bands)	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

Research Thesis/ Dissertation

- Ph.D. Thesis entitled “**A multi-scale study on the hostile effects of pollution on humans and fish: from behavior, physiology, biochemistry, to toxicology**” submitted to the School of Life Sciences, Nanjing University, Nanjing, P.R. China.
- M.Phil. Thesis entitled “**Protective Role of Vitamin C Against Cypermethrin Induced Toxicity in *Labeo rohita* (Ham.): Biochemical Aspects**” submitted to Department of Animal Sciences, Quaid-i-Azam University, Islamabad, Pakistan.
- M.Sc. Thesis entitled “**The Ichthyofaunal Diversity, Relative Abundance, PhysicoChemical Analysis and the Estimation of Biodiversity Index of River Panjkora District Dir Lower, Khyber Pakhtunkhwa**” submitted to Department of Zoology, University of Peshawar.
- PGD Thesis entitled “**A GIS Integrated Approach for Assessment of Drinking Water Quality of District Dir Lower Khyber Pakhtunkhwa**” submitted to NCEG, University of Peshawar.

References

- **Dr. Zhongqiu Li**, Associate Professor and PI (Ph.D. Research Supervisor)
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- **Dr. Amina Zuberi**, Associate Professor (M.Phil. Research Supervisor)
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- **Dr. Zaigham Hasan**, Assistant Professor (M.Sc. Research Supervisor)
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