

Name	Dr. Mehreen Riaz			
PERSONAL INFORMATION	Father's Name	Riaz Muhammad		
	Date of Birth	13/06/1986		
	Nationality	Pakistani		
	Designation	Assistant Professor		
	Marital Status	Single		
	Address	Department of Zoology, University of Swat		
	E-Mail	drmeheen1986@gmail.com		
	PhD:	Zoology		
	Specialization:	Eco-Toxicology		
	Main activities and responsibilities:	Targeted Toxicity in the body caused by different drugs		
QUALIFICATION	Certificate/ Degree	Session/Year Of Passing	Major groups/ Subjects	Board/University
	<u>PhD</u>	2018	Zoology	Islamia College Peshawar University
	<u>M.Sc</u>	2008	Zoology	Peshawar University
	<u>B.Sc</u>	2005	Zoology, Botany, Chemistry	Malakand University
	<u>F.Sc</u>	2004	Pre-Medical	BISE Malakand
	Matric	2001	Science	BISE Saidu Sharif Swat
	B.Ed	2009	Biological Science	Peshawar University
	M.Ed	2011	Biological Science	Peshawar University

<p>SERVICE RECORD</p>	<ul style="list-style-type: none"> • Currently, working as Assistant Professor in Department of Zoology, University of Swat (Khyber Pakhtunkhwa, Pakistan) since 12th October 2023. • Worked as a Head of Department (Zoology) in Women University, Swabi (Since 26, September 2018 till 11th October 2023). • Worked as a Provost, Women University Swabi. • Worked as a Student Advisor, Women University Swabi. • Worked as a Chief Proctor, Women University Swabi. • Worked as Director ORIC for one year. • Worked as Additional Director FAD (Financial Assistance and Development) in Women University, Swabi. • Worked as an LMT/Instructor in PITE. • Worked as an SST teacher in elementary and secondary education for six years.
<p>RESEARCH EXPERIENCE</p>	<p>Working mainly on Human and others animals. Field of specialization is Ecotoxicology. My research work was mainly focused on toxicity of Pesticides affecting Humans and other animals, i.e. their Hematological Parameters, Biochemical Parameters and endocrinology, and their effect on different organs.</p> <p>Represented my institute Women University, Swabi in many national conferences as a representative. Previously I worked on the toxic effects of insecticides Malathion and Cypermethrin on biochemical, hematological and hormonal parameters in blood of male rabbit (<i>Oryctolagus cuniculus</i>).</p> <p>I have supervised many BS research students and Eleven M.Phil. students.</p> <p>I have an approved project of Women University Swabi entitled “Toxic Effects of antihypertensive Drug Propranolol hydrochloride on hormonal indices”.</p> <ul style="list-style-type: none"> • Expertise in Hematology • Expertise in Toxicology

	<ul style="list-style-type: none"> • Expertise in Endocrinology
<p>EXPERIENCE of TECHNIQUES</p>	<p>Molecular biology techniques PCR DNA electrophoresis (Agarose) ELISA.</p> <p>Microbiological techniques Bacterial culturing and preservation.</p> <p>Hormonal Analysis</p> <p>Hematological and Biochemical Analysis Expert of Microlab-300 Expert of Hormonal Analyzer Expert of Hematological Analyzer</p>
<p>Courses Expertise</p>	<ol style="list-style-type: none"> 1. Cell & Molecular Biology 2. Animal behavior and evolution 3. Endocrinology 4. Microbiology 5. Animal Physiology 6. Biosafety and bioethics 7. Developmental Biology 8. Toxicology

Membership	<ul style="list-style-type: none"> • Society of Toxicology (SOT)
Resource person	<ol style="list-style-type: none"> 1) Workshop on “Idea Design Competition”. 2) Workshop on entrepreneurship. 3) Seminar on Hormonal alterations in male New Zealand rabbits (<i>Oryctolagus cuniculus</i>) exposed to Malathion and Cypermethrin at 39th international conference of Zoology Islamia College Peshawar. 4) Workshop on Disaster Management at PITE Peshawar 5) Workshop on Induction Programe at PITE Peshawar 6) Workshop on integrated curriculum at PITE Peshawar 7) Workshop on Associate Degree at Women University Swabi
Participation	<ol style="list-style-type: none"> 1. Conference on new trends in QEC at NED university Karachi 2. Showcase on Robotics held at Expo center Karachi 3. Training on “How to be a successful chairperson” at Marriott Islamabad (HESSA Project). 4. Seminar on Women empowerment and leadership 5. Seminar on Dengue Disease at Women university Swabi 6. Seminar on OMICRON at Women University Swabi 7. Seminar on Women Digital Empowerment at Women University Swabi 8. First International Symposium on Recent Advance in Biotechnology (University of Malakand) 9. National Workshop on Modern Biotechnology (University of Malakand). 10. 31st international conference of zoology Islamia College Peshawar. 11. National Workshop on CRISPR/Cas Genome Editing Technology at Islamia College University, Peshawar. 12. Presented my research paper in 41st International Congress of Zoology held at University of Punjab. 13. Participated in Peace building workshop.

<p>PUBLICATIO NS</p>	<ol style="list-style-type: none"> 1) RIAZ, M., YOUSAFZAI, A. M., 2018.Hormonal alterations in male new zealand rabbits (<i>Oryctolagus cuniculus</i>) exposed to malathion and cypermethrin. <i>Wulfenia.</i>, 25 (1): 98-112. 2) RIAZ, M., YOUSAFZAI, A. M., 2017. Toxic effects of insecticides malathion and cypermethrin on hematological parameters in blood of male rabbits (<i>Oryctolagus cuniculus</i>). <i>Entamology and Zoology Studies.</i>, 5(3): 154-158 3) YOUSAFZAI, A. M., ULLAH, F., BARI, F., RAZIQ, S., RIAZ, M., KHAN, K., NISHAN, U., ALAM, I., STHANADAR., SHAHEEN, B., SHAHEEN, M., AND AHMAD. H., 2017. Bioaccumulation of Some Heavy Metals: Analysis and Comparison of <i>Cyprinus carpio</i> and <i>Labeo rohita</i> from Sardaryab, Khyber Pakhtunkhwa. <i>Hindawi BioMed Research International.</i>, Article ID 5801432, 5 pages. 4) Ahmed, H., Jahan, S., Khan, A., Khan, L.,Tarin, Khan, B.T., Ullah, H., Riaz, M., Ullah, K., 2019. Supplementation of green tea extract (GTE) in extender improves structural and functional characteristics, total antioxidant capacity and in vivo fertility of buffalo (<i>Bubalus bubalis</i>) bull spermatozoa. <i>Theriogenology.</i>, 145 (2020):190-197. 5) Ahmed, H., a,b, Jahan, S., Khan, A., Khan, L., Ullah, H., Riaz, M., Ullah, K., Ullah, F., 2019. Supplementation of L-tryptophan (an aromatic amino acid) in tris citric acid extender enhances post-thaw progressive motility, plasmalemma, mitochondrial membrane potential, acrosome, and DNA integrities, and in vivo fertility rate of buffalo (<i>Bubalus bubalis</i>) bull spermatozoa. <i>Cryobiology.</i>, 92(2020): 117–123. 6) Rehman, A., Khan, F. M., Bibi, S., Riaz, M. & Nouroz, F., 2020. Comparativ phylogenetic analysis of <i>Schizothoraxplagiostomus</i> and <i>Schizothorax esocinus</i> with other members of subfamilies of cyprinidae on the basis of complete mitochondrial genome and 12S, 16S ribosomal RNA from Northren areas of Pakistan, <i>Mitochondrial</i>
---------------------------------	--

DNA Part A, DOI: 10.1080/24701394.2020.1787397.

- 7) Ahmed, H., Jahan, S., Riaz, M., Khan, B.K., Ijaz, M.U., 2020. Epigallocatechin-3-gallate (EGCG) addition as an antioxidant in a cryo-diluent media improves microscopic parameters, and fertility potential, and alleviates oxidative stress parameters of buffalo spermatozoa. *Cryobiology*,
- 8) Ahmed, H., Jahan, S., Riaz, M., Ijaz, M.U., Wahab, A., 2021. Improving the quality and in vitro fertilization rate of frozen thawed semen of buffalo (*Bulbalus balalis*) bulls with the inclusion of Vitamin B12 in the cryopreservation medium. *Animal Reproductive Science*.
- 9) Begum, M., Yaseen, Ali, P. A., Siraj, M., Riaz, M., Wahab, A. & Baset, A. (2022). Incaptive culturing of Goldfish and Koi carp in Punjab, Pakistan. *Natural and Applied Sciences International Journal (NASIJ)*, 3(2), 42-52. <https://doi.org/10.47264/idea.nasij/3.2.4>
- 10) Gul, S., Riaz, M., Wahab, M. & Hussain, A. (2022). A cross-sectional study of the COVID-19 prevalence in Dir Lower, Pakistan. *Natural and Applied Sciences International Journal (NASIJ)*, 3(1), 61-70. <https://doi.org/10.47264/idea.nasij/3.1.5>
- 11) Rukhsana, B., Riaz, M., & Khalid, S. (2022). Effect of cigarette smoking on blood biochemical parameters in males of district Swabi, Khyber Pakhtunkhwa, Pakistan. *Natural and Applied Sciences International Journal (NASIJ)*, 3(1), 34-44. <https://doi.org/10.47264/idea.nasij/3.1.3>
- 12) Sheikh Arslan Sehgal^{1,2}, Hao Wu³, Muhammad Sajid⁴, Summar Sohail⁵, Muhammad Ahsan⁶, Gulnaz Parveen⁷, Mehreen Riaz⁷, Muhammad Saleem Khan⁸, Muhammad Nasir Iqbal¹, Abbeha Malik. 2023. Pharmacological Progress of Mitophagy Regulation. *Curr Neuropharmacol*. Volume 21, Issue 5, 2023 **Published on:** 14 March,

	<p>2023 Mar 14. doi: 10.2174/1570159X21666230314140528. Online ahead of print.</p> <p>13) The risk factors analysis of diabetes mellitus and hypertension in the population of district Swabi, Khyber Pakhtunkhwa, Pakistan. <i>Natural and Applied Sciences International Journal (NASIJ)</i>, Vol. 4, No. 1, pp. 49-61.</p> <p>14) Sulforaphane inclusion in a freezing medium augments post-thaw motility, functional and biochemical features, and fertility potential of buffalo (<i>Bubalus bubalis</i>) spermatozoa. <i>Research in Veterinary Science</i> ,158:196-202.</p> <p>15) Toxic effects of antihypertensive drug Propranolol hydrochloride on hormonal indices of <i>Oryctolagus cuniculus</i>. <i>Pakistan Journal of Zoology</i> (Accepted).</p> <p>16) Hussain Ahmed, Sarwat Jahan b , Muhammad Umar Ijaz, Mehreen Riaz ., 2023. Relaxin (a regulatory-peptide) enhances cryotolerance, fertility potential and plasma reproductive hormones of Nili Ravi buffalo (<i>Bubalus bubalis</i>) during low breeding season. <i>Research in Veterinary Science</i> 164 (2023) 104996.</p>
<p>LANGUAGES</p>	<ul style="list-style-type: none"> • English Can read, write and speak frequently. • Urdu: Can read, write and speak frequently. • Pashto: Mother tongue, can read, write and speak frequently.
<p>REFERENCES</p>	<p>Prof. Dr. Ali Mohammad Chairman zoology department Islamia College Peshawar 03431333338 alifishzoology@yahoo.com</p> <p>Prof. Dr. Abdul Rub Chairman zoology department, Women University, Swabi. 0321 5074668</p>