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Designation and address of affiliation	Assistant Professor, Department of Applied Biology, College of Sciences, University of Sharjah, UAE
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Contact number	00971 6505 3868 00971 566 045 398
Research interest	Neuro-endocrinology, Environmental toxicology, Cancer prevention and Epidemiology
Education	Ph.D (Friedrich-Alexander University of Erlangen-Nuremberg, Germany)
Employment History	7.2.2011- 6.2.2012 Assistant Professor, Department of Animal Sciences, Quaid-i-Azam University, Islamabad, Pakistan 7.2.2012- 31.8.2016 Assistant Professor (29.1.2015- 23.8.2016 worked as Head of the Department), Department of Zoology, Hazara University Mansehra, Pakistan 1.9.2016-date Assistant Professor, Department of Applied Biology, University of Sharjah, Sharjah, UAE
Professional Activities	Teaching courses to different classes along with supervision of research students
Selected Research Projects	<ol style="list-style-type: none"> 1. Iodine deficiency disorders in districts Kohat and Karak, Pakistan. 0.5 Million PKR (completed). 2. Bioelectricity and Biomass from Native Waste Water Microbiota of UAE (5000 AED). In Progress 3. Phytochemical profiling and therapeutic potential of Medicinal plants for cancer prevention (29,000 AED). In Progress
Publications:	<p>Reviews:</p> <ol style="list-style-type: none"> 1. Azizullah A, Khattak MNK, Richter P, Häder DP. Water Pollution in Pakistan, and its Impact on Public Health -A Review. <i>Environment International</i>, 37(2): 479-497 (2011). 2. Dawar FU, Tu J, Khattak MNK, Mei J, Lin L. Cyclophilin A: A Key Factor in Virus Replication and Potential Target for Anti-viral

Therapy. *Current issues in Molecular Biology* 21: 1-20 (2017)

3. Khattak RM, **Khattak MNK**, Itterman T, Voelzke H. Factors Affecting Sustainable Iodine Deficiency Elimination in Pakistan" *Journal of Epidemiology* (available online now)
4. Dawar FU, Wu J, Zhao L, **Khattak MNK**, Mei J, Lin L. Updates in understanding the role of cyclophilin A in leukocytes chemotaxis. *Journal of Leukocyte Biology* 101(4):823-826 (2017).
5. Dawar FU, Xiong Y, **Khattak MNK**, Lin L, Mei J. Potential role of Cyclophilin A in regulating cytokine secretion. *Journal of Leukocyte Biology* (Accepted)

Original Contributions (As a Principal or Corresponding Author):

6. **Khattak MNK**, Iltaf M, Rehman AU, Malik S, Zahid M. Prevalence, socio-demographic determinants and risk factors of toxoplasmosis: case-control study in a rural community of Mardan district, northern Pakistan.. *Journal of Animals and Plants Sciences* 27(2): 617-626 (2017)
7. Khan MF, **Khattak MNK**, He D, Rehman AU, Chen Y. Mitochondrial genome sequence and gene organization of Kunar Snow trout (*Schizothorax labiatus*) with phylogenetic consideration. *Gene Reports* 7: 64-73 (2017).
8. Naeem M, Khattak RM, Rehman M, **Khattak MNK**. The role of glycated hemoglobin (HbA1c) and serum lipid profile measurements to detect cardiovascular diseases in type 2 diabetic patients. *South East Asia Journal of Public Health* 5(2): 30-34 (2015)
9. Mulk S, Korai AL, Azizullah A, **Khattak MNK**. Decreased fish diversity found near marble industry effluents in River Barandu, Pakistan. *Ecotoxicology* 25 (1): 132-140 (2016)
10. Khan MF, **Khattak MNK**, HE D, Liang Y, LI C, Dawar F, Chen Y. The complete mitochondrial genome organization of *Schizothorax Plagiostomus* (Teleostei: Cyprinidae) from Northern Pakistan. *Mitochondrial DNA A DNA Mapp Seq Anal.* 27(5):3630-2 (2016).
11. Khan MF, **Khattak MNK**, HE D, Liang Y, LI C, Dawar F, Chen Y. The

mitochondrial genome of *Schizothorax Esocinus* (Cypriniformes: Cyprinidae) from Northern Pakistan. *Mitochondrial DNA A DNA Mapp Seq Anal.* 27(5):3772-3 (2016).

12. Dawar FU, Zuberi A, Azizullah A, **Khattak MNK**. Effects of Cypermethrin on survival and early development of Rohu (*Labeo rohita*): Biochemical and Morphological aspects. *Chemosphere* 144, 697-705 (2016).
13. Jahangir M, Khattak RM, Shahab M, Tauseef I, **Khattak MNK**. Prevalence of goiter and assessment of iodine nutritional status in 6-12 years school going children of district Karak, Khyber Pakhtunkhwa, Pakistan. *Acta Endocrinologica (BUC)*, 11(3): 337-342 (2015).
14. Mulk S, Azizullah A, Korai AL, **Khattak MNK**. Impact of Marble Industry Effluents on Water and Sediments quality of River Barandu in district Buner, Pakistan. *Environmental Monitoring and Assessment*, 187; 8: (2015)
15. Khan MF, Nayyer AQ, Awan SM, **Khattak MNK**. Comparative Study on the population and habitats of the *Francolinus pondicerianus* and *Francolinus francolinus* in Mang Game Reserve, Haripur, Pakistan, *Journal of Animal and Plant Sciences*, 25(1), 101-107; (2015)
16. Ahmad K, Azizullah A, Shama S, **Khattak MNK**. Determination of Heavy Metals Contents in Water, Sediments and Fish Tissues (*Shizothorax plagiostomus*) in River Panjkora at Lower Dir, Khyber Pakhtunkhwa, Pakistan. *Environmental Monitoring and Assessment*, 186(11), 7357-7366, (2014)
17. Subhan F, Jahangir M, Saira S, Khattak RM, Shahab M, **Khattak MNK**. Prevalence of goiter and iodine status among 6-12 years school age children in District Kohat, Pakistan. *South East Asia Journal of Public Health.* 4(2), 42-46: (2014)
18. Saira S, Khattak RM, Rehman A, **Khattak MNK**. Prevalence of goiter

and assessment of iodine status in 6-12 years school children and pregnant women of district Charsaddah, Pakistan. *Acta Endocrinologica*, 10(1): 65-75: (2014)

19. **Khattak MNK**, Buchfelder M, Schöfl C, Kleindienst A, Kremenskaya N. CRH and SRIF have opposite effects on the Wnt/ β -catenin signaling pathway through PKA/GSK-3 β in corticotroph pituitary cells. *Cancer Investigation* 28(8):797-805: (2010)
20. **Khattak MNK**, Haq M, Khan A, Cheema A M. Prevalence of endemic goiter and urinary iodine contents in the population of Lawaghar and Chontra areas of district Karak (North Western Frontier Province) Pakistan. *Pakistan Journal of Scientific Research*, 58 (1-2): 1-4: (2006)
21. **Khattak MNK**, Haq M, Khan MS. Association of cigarette smoking with RBC,s, WBC,s and Hb level in young people. *Scientific Khyber*, 14(2): 79-86: (2001)

Co-Authorship

22. Asim M, Jiang S, Yi L, Chen W, Sun L, Zhao L, **Khattak MNK**, Tu J, Lin L. Glutamine is required for red-spotted grouper nervous necrosis virus replication via replenishing the tricarboxylic acid cycle. *Virus research* 227: 245-248 (2017).
23. Xiaodan Liu X, Tu J, Yuan J, Liu X, Zhao L, Dawar FU, **Khattak MNK**, Abeer M. Hegazy, Chen N, , Vikram N. Vakharia, Lin L. Identification and Characterization of MicroRNAs in Snakehead Fish Cell Line upon Snakehead Fish Vesiculovirus Infection. *International Journal of Molecular Sciences* 17(2): 154: (2016)
24. FU Dawar, J Tu, Y Xiong, J Lan, XX Dong, X Liu, **MNK Khattak**, J Mei, L Lin. Chemotactic Activity of Cyclophilin A in the Skin Mucus of Yellow Catfish (*Pelteobagrus fulvidraco*) and Its Active Site for Chemotaxis *International Journal of Molecular Sciences* 17 (9), 1422: (2016)

25. Rahman FU, Perveen F, Rauf T, Salim M, Ali Z, **Khattak MNK**. Mormophometric characters and distribution of bat (Mammalia:Chiroptera) fauna in Northwestern Pakistan. *Journal of Animal and Plant Sciences* 25(3 (Suppl 2)):454-460 · (2015).
26. Rashid A, **Khattak MNK**, Khan MF, Ayaz S, Rehman AU. Gastrointestinal helminthoses: Prevalence and associated risk factors in small ruminants of district Kohat, Pakistan. *Journal of Animal and Plant Sciences* 26(4): 956-962: (2016)
27. Saeed K, **Khattak MNK**, Khan MF, Naz F, Akhtar N. Morphological Characteristics of Ladybird Beetles (Coccinellidae: Coleoptera) of District Buner, Khyber Pakhtunkhwa, Pakistan. *Pakistan Journal of Zoology* 48(5): 1367-1372: (2016)
28. Ud-Din A, Rauf M, Ghafoor S, **Khattak MNK**, Hameed MW, Shah H, Jan S, Muhammad K, Rehman A, Inamullah. Efficient use of artificial micro-RNA to downregulate the expression of genes at the post-transcriptional level in Arabidopsis thaliana. *Genetics and Molecular Research* 15(2): GMR 1502743: (2016)
29. Ahmad T , Jadoon MA, Haroon, **Khattak MNK**. prevalence of sputum smear positive pulmonary tuberculosis at Dargai, District Malakand, Pakistan: A four year retrospective study. *Egyptian Journal of Chest Diseases and Tuberculosis* 65(2), 461–464: (2016)
30. Ishfaq S, Ali N, Tauseef I, **Khattak MNK**, Shinwari ZK, Ali MI. Analysis of paint degradation by fungal and bacterial species. *Pakistan Journal of Botany*, 47(2):753-760: (2015)
31. Sohail M, **Khattak MNK**, Tauseef I, Korai AL, Shah A, Lashari KH. Ichthyodiversity in relation to physico-chemical parameters of River Swat. *Sindh University Research Journal (Science Series)*. 46(4), 525-530: (2014)
32. Rehman A, Wahab Z, **Khattak MNK**, Malik S. Frequency of ABO blood groups in Mohmand Agency, FATA, Pakistan. *Anthropologist*,

	<p>18(1), 259-261: (2014)</p> <p>33. F Iqbal, RM Khattak, S Ozubek, MNK Khattak, A Rasul, M Aktas. Application of the Reverse Line Blot Assay for the Molecular Detection of Theileria and Babesia sp. in Sheep and Goat Blood Samples from Pakistan. Iranian Journal of Parasitology, 8(2): 289-295: (2013)</p> <p>34. Khattak RM, Ali S, Jahangir M, Khan MN, Rasul A, Iqbal F. Prevalence of Ectoparasites in Wild and Domesticated Grey(Francolinus pondicerianus) and Black Partridges (Francolinus francolinus) from Khyber Pakhtoonkhwa Province of Pakistan. Pakistan Jouranal of Zoology. 44 (5): 1239-1244: (2012)</p> <p>35. Qureshi IZ, Khattak MNK, Ambareen F. Transitional cell carcinoma of urinary bladder and its association with diabetes mellitus. Scientific Khyber, 18(2): 151-160: (2005).</p>
Supervision	<p>M.Phil/M.S Supervised: 53 M.Phil under supervision: 4 Ph.D Supervised: 01 Ph.D under-supervision: 02</p>
Biography:	<p>I completed MSc (Zoology) from Department of Zoology, Peshawar University, Peshawar, Pakistan. Then Got M.Phil (Endocrinology) from Department of Biological Sciences, Quaid-I-Azam Univeristy, Islamabad Pakistan in 2004. Through HEC/DAAD fellowship won Ph.D from University of Erlangen-Nuremberg, Erlangen, Germany in 2010. Then joined Department of Animal Sciences, Quaid-i-Azam University, Islamabad as an Assistant Professor on Interim placement for one year. From Feb 2012 onward joined Department of Zoology as an Assistant Professor at Hazara University Mansehra, Pakistan. I joined Department of Applied Biology, University of Sharjah from 1st September 2016. My research interests include Endocrinology, Fischeires, Epidemiology and Environment Toxicology.</p>
Professional Memberships	<ol style="list-style-type: none"> 1. Member National Curriculum Review Committee (NCRC) for Freshwater Biology and Fisheries by Higher Education Commission (HEC), Pakistan 2. Member Board of Studies, Abdul Wali Khan University, Mardan, Pakistan 3. Member Board of Studies, Islamia College University, Peshawar,

	Pakistan
Reviewers and Editorial Boards	<ol style="list-style-type: none"> 1. Member Editorial Board, South East Journal of Public Health 2. Reviewer, South East Journal of Public Health 3. Reviewer, Science of the Total Environment 4. Reviewer, Acta Endocrinologica (BUC) 5. CNS & Neurological Disorders - Drug Targets 6. Chemosphere 7. Journal of Animal and Plant Sciences 8. Podoces 9. Annals of aquaculture and Fisheries
Courses/Trainings	<ol style="list-style-type: none"> 1. Two weeks training course on the use of nuclear and other advanced techniques in agricultural and biological research organized by nuclear institute of agricultural and biology (NIAB) Faisalabad, Pakistan (13th -15th Oct 2003). 2. Basic education in laboratory animals' science and experimental techniques' organized by Dr D. Labahn, Animals welfare officer, University of Erlangen-Nuremberg Germany (29th Sep- 1st Oct 2009). 3. 3 days intensive course on practices in SPSS (4th -6th April 2013). 4. 2 days intensive workshop on "Epidemiology and data analysis" (27th -28th August 2014). 5. 3 days intensive course on "Project Management" organized by Hazara University training center (16th -19th March 2015). 6. 3 days intensive course on "Implementation of University rules" organized by Hazara University training center (31st March- 2nd April 2015). 7. 3 days intensive course on "Finance, Budget and Audit" organized by Hazara University training center (24th - 26nd November 2015). 8. 1 day workshop on "Effective writing of postdoctoral proposals" organized by Directorate of Academics Hazara University and HEC Pakistan (3rd December 2015). 9. 2 days training on "Experimental designing and data analysis" organized by Department of Botany, Hazara University (4th – 5th December 2015)
Guest Lectures	<ol style="list-style-type: none"> 1. College of Fisheries, Huazhong Agriculture University, Wuhan, China 2. Department of Botany, Hazara University, Mansehra, Pakistan

