

Curriculum Vitae

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Assistant Professor
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BRIEF PROFILE

- HEC Approved Supervisor awarded by HEC, Pakistan (Since Feb. 2019).
- Assistant Professor, Department of Zoology, University of Malakand (Feb. 2018 to date).
- Assistant Professor, Department of Zoology, SBBU, Dir Upper, Pakistan (2017).
- Gold Medal awarded by the Zoological Society of Pakistan (2016).
- PhD (Zoology), Department of Zoology, University of Karachi (2015).
- Qualified PMS Competitive Examination under KPPSC, Pakistan (2013).
- M.Phil. leading to PhD program in Zoology from the University of Karachi (2010-12)
- MSc Zoology with specialization in Entomology from the University of Karachi, obtained 3.75 CGPA (2008-09).
- BSc from University of Malakand with 387 marks (A grade) and first position in GPGC, Timergara.
- FSc from Jahanzeb College Swat with first division and Matriculation from GHS Rani, Dir Lower with A grade and first position in school.

RESEARCH SKILLS/INTERESTS

- Studies on the diversity and conservation of animal fauna.
- Analysis of persistent organochlorine pesticides and their role as human carcinogens through Gas Chromatography and Mass Spectrometry.
- Impact of persistent organochlorine chemicals on DNA, Alkaline Phosphatase, Cholesterol and Total Protein Contents.
- Use of Thermo Nano drop spectrophotometer in the analysis of Cell free DNA.
- Use of Roche Hitachi Diagnostic spectrophotometers in the biochemical estimation of ALP, Cholesterol and Total Protein Contents.
- Use of Rotavapor, Centrifuge, Mortar, Microscopes, Micrometer, Microtome, Distillation Plants, rotary shakers and general laboratory appliances.
- Medical, Veterinary, Agricultural and Forensic Entomology.

- Taxonomic, ecological and diversity studies of insect fauna.
- Rearing of insects and their population studies.
- Insects as bioindicators of global climate change.
- Studies on various emerging aspects of entomology.

CONFERENCES/ WORKSHOPS/ABSTRACT PRESENTATIONS

- ❖ Abstract presented in the 32nd Pakistan Congress of Zoology (International); March 6th to 8th, 2012 at GC University, Lahore.
- ❖ Co-author in the abstract presented at the International Conference on Chemical, Environmental and Biological Sciences, Sep. 17th-18th, 2013 at Kuala Lumpur, Malaysia.
- ❖ Oral presentation of abstract in the 36th Pakistan Congress of Zoology (International); 17th Feb. 2016 at Sindh University, Jamshoro.
- ❖ Resource Person and guest speaker at the 1st National Workshop on “Wondrous Products of the Honeybee Hive” organized by the Department of Zoology, KUST in collaboration with the Higher Education Commission of Pakistan, May 8th – 9th, 2017. Reg. No. Res-04.
- ❖ Organizer of the 3 Days International Training Workshop on “Advances in Research, Dissertation and Paper Writing in Biological Sciences” from Nov. 14th-16th, 2017, organized by the Department of Zoology, SBBU in Collaboration with the Higher Education Commission of Pakistan.
- ❖ Participated in the 2nd National Workshop on “Wondrous Products of the Honeybee Hive” organized by the Department of Zoology, KUST in collaboration with HEC, Pakistan, 2017.
- ❖ Participated in the National Conference on “Plants: From Food to Phytomedicine” jointly organized by the University of Malakand and University of Sargodha, May 3rd – 4th, 2018.
- ❖ Participated in 1st National Research Conference on “Contemporary Issues and Practices in Business and Management (NRCBM-2018) organized by the Department of Commerce and Management Sciences, University of Malakand in collaboration with the Higher Education Commission of Pakistan from September 13th to 14th, 2018.
- ❖ Participated in one day Biosafety Awareness Workshop organized by the Department of Biotechnology, SBBU, Dir Upper in collaboration with the Pakistan Biological Safety Association (PBSA) and Fogarty International Center, NIH USA on October 26th, 2018.
- ❖ Participated in the 1st National Workshop on “Molecular Biology, Tools and Techniques” organized by the Department of Botany, University of Malakand in collaboration with Higher Education Commission of Pakistan, Nov. 12th - 14th, 2018.
- ❖ Participated in the two days training workshop on “Quantitative Data Analysis Using SPSS, EVIEWS and STATA organized by the Department of Commerce and Management Sciences in collaboration with the Higher Education Commission of Pakistan from December 19th to 20th, 2018.
- ❖ Participated as guest speaker in the 39th Pakistan Congress of Zoology, International held at Islamia College University, Peshawar from March 4th – 6th 2019. Co-chaired one of the sessions on entomology.
- ❖ Organizer of one day “Job Fair” on April 11, 2019, at the Department of Commerce and Management Sciences in collaboration with ORIC, University of Malakand.
- ❖ Organizer of the national workshop on “Biosafety and Biosecurity for Young Researchers/Scientists held on Oct 10, 2019, at the Department of Biotechnology, Shaheed BB University, Sheringal, Dir Upper, Pakistan.

- ❖ Organizer of the two days national workshop on “Mushroom Cultivation Technology”, A Cottage Industry, held on Nov 21-22, 2019, at the Department of Botany, jointly organized by Office of Research Innovation and Commercialization, University of Malakand and Nuclear Institute for Food and Agriculture, Peshawar, Pakistan.
- ❖ Participated in International Conference & Workshop on “Dengue Infection in Pakistan and its Controlling Strategies” organized by the Department of Animal Sciences, Quaid-e-Azam University, Islamabad on Dec 17-18, 2019.
- ❖ Participated in Two Days International Workshop on “Capacity Building of Stakeholders on Olive Processing and Biodiversity Data Mobilization in Regional Herbarium and Botanical Gardens” jointly organized by Department of Botany and ORIC, University of Malakand and Pakistan Oilseed Development Board, Islamabad on March 2-4, 2020.
- ❖ Presented abstract in the 40th Pakistan Congress of Zoology (1st Virtual Pakistan Congress of Zoology) International at Sindh Agricultural University, Jamshoro, Pakistan, Scheduled for March 2020 and postponed till Dec. 2021 due to COVID-19.
- ❖ Attended a webinar organized by the Wiley Team entitled, “ Dissecting the scholarly publishing process. A current overview on the steps to getting published” dated Jan 26, 2022.

AWARDS/ACHIEVEMENTS

- ❖ Qualified PMS Competitive Examination (passed written 12 papers), with successful Psychological Assessment and Final Interview held under KPPSC in the year 2013.
- ❖ Gold Medal awarded by the Zoological Society of Pakistan in the 36th Pakistan Congress of Zoology (2016).
- ❖ Distinction Certificate from the Vice Chancellor, SBBU in recognition of the role played in academics and research at the Department of Zoology, SBBU (2017).
- ❖ Certificate of Approved PhD Supervisor awarded by the Higher Education Commission of Pakistan (2019).
- ❖ Commendation Certificate from the Syndicate, University of Malakand for the verification of examination record from 2011-16 vide UOM/Reg/2020/546 dated 10-12-20.
- ❖ Appreciation Letter from QEC, UOM vide UOM/QEC/20/1408-W dated 30-11-20.

PROJECTS COMPLETED/ONGOING/SUBMITTED TO FUNDING AGENCIES

- ❖ Completed SRGP Project worth Rs. 5,00,000 as Principal Investigator, awarded by the Higher Education Commission of Pakistan at SBBU, Dir Upper, Pakistan (2017).
- ❖ Co-principal investigator of the SRGP Project on aquaculture and fisheries awarded by the Higher Education Commission of Pakistan at the University of Malakand, Dir Lower (2018).
- ❖ Submitted project proposal to Higher Education Department, Khyber Pakhtunkhwa, Pakistan (Apr 2019).
- ❖ Submitted project proposal to Higher Education Commission of Pakistan under NRPU Program worth 10.65 million vide HEC/R&D/RGA/NRPU/2019/12728 (Jan 2020).
- ❖ Submitted project proposal as Co-PI to Higher Education Commission of Pakistan on identification of insecticide susceptibility status of *Culex quinquefasciatus* to different insecticides in different parts of Malakand division and role of native medicinal plants in mosquito control (Jan 2020).

ADDITIONAL RESPONSIBILITIES

- ❖ Staff Proctor, Department of Zoology, University of Malakand.
- ❖ Member of the Graduate Studies Committee (GSC), Department of Zoology, University of Malakand.
- ❖ Semester Coordinator, BS Zoology (4 Years) Program (Morning + Evening), Department of Zoology, University of Malakand.
- ❖ Member of the Examination Discipline Committee (UFM), University of Malakand.
- ❖ Focal Person, Campus Management System, Department of Zoology, University of Malakand.
- ❖ Member of the Board of Studies (BOS), Department of Zoology, University of Malakand.
- ❖ Member of the Board of Studies of the Department of Zoology, Shaheed BB University, Sheringal, Dir Upper, Pakistan (SBBU/Acad/Ntf/20-228 dated 11-12-20).
- ❖ Member of the Results Scrutiny Committee, Examination Section, University of Malakand.
- ❖ Ex member of the Board of Studies of the Department of Zoology, SBBU, Dir Upper. Successfully formulated the Agenda and Minutes for the two Meetings of the BOS, Department of Zoology, SBBU during 2016-17.
- ❖ Coordinator M.Phil. Program, Department of Zoology, Shaheed BB University, Dir Upper (2016-17).
- ❖ Member of the Curriculum Revision Committee of HEC from the Department of Zoology, SBBU, Dir Upper (2017).
- ❖ Member of the Graduate Studies Committee, Department of Zoology, SBBU, Dir Upper (2017).
- ❖ Member of the following committees of the Department of Zoology, University of Malakand:
 - Convener Scholarship Committees (Ehsas, Need Based, Baitul Mal and FEF Scholarships).
 - PhD Admissions Scrutiny Committee.
 - PhD Interview Committee.
 - M.Phil. Admissions Scrutiny Committee.
 - M.Phil. Interview Committee
 - Admission Committee BS Zoology Morning, Evening Program and MSc Zoology Program.
 - PM Laptop Scheme Committee
 - Departmental Semester Review Committee
 - Students' Grievance Redressal Committee
 - Career Counselling Committee
 - Results Tabulation and Scrutiny Committee BS Zoology Program
 - SRGP Project Purchase Committee
 - UFM Committee
 - QEC Online Survey Committee

SUBJECTS STUDIED DURING MSc

- Biology of Chordates
- Animal Ecology
- Biogeography and Natural History of Pakistan
- Advanced Invertebrate Zoology-I
- Advanced Invertebrate Zoology-II
- Animal Physiology
- Comparative Anatomy of Vertebrates and Osteology
- Evolution and Animal Behavior
- Paleontology
- Cytology and Genetics
- Insect Morphology
- Insect Biology and Classification
- Insect Physiology and Behavior
- Insects of Agri-, Forest and Medical Importance
- Insect Control and Beneficial Insects
- Insect Ecology and Distribution

- Insect Toxicology
- Advanced Medical Entomology
- Recent Advances in Biological Control
- Advanced Taxonomy and International Code of Zoological Nomenclature

SUBJECTS STUDIED DURING M.PHIL./PHD

- Research Methodology-I
- Instrumentation in Toxicological Studies
- Advanced Protozoology
- Insects Bioecological Methods and Population Dynamics
- Research Methodology-II
- Techniques used in Pesticides Research and Application of Pesticides
- Marine Conservation Biology
- Advanced Insect Morphology and Phylogeny
- Research Seminars
- Seminars on Current Advances in Discipline
- Thesis and Manuscript Writing Skills
- Research Project for Funding Agencies

LIST OF PUBLICATIONS

1. Amin, M., Yousuf, M.J., **Attaullah, M.**, Ahmad, N., Azra, M.N., Latif, M., Buner, I.D., Zekker, I., Bathiha, G.E., Aboelenin, S.M., Zahoor, M., Ikram, M., Naeem, M. (2021). Cholinesterase activity as a potential biomarker for neurotoxicity induced by pesticides in vivo exposed *Oreochromis niloticus* (Nile tilapia): Assessment tool for organophosphates and synthetic pyrethroids. *Environmental Technology*, <https://doi.org/10.1080/09593330.2021.2024276>. (IF: 3.247).
2. Ilahi, I., Yousafzai, A.M., **Attaullah, M.**, Haq, T.U., Rahim, A., Khan, W., Khan, A.A., Ullah, S., Jan, T., Khan, M.M., Rahim, G. and Zaman, N. (2022). Mosquitocidal activities of *Chenopodium botrys* whole plant n-hexane extract against *Culex quinquefasciatus*. *Brazilian Journal of Biology* 83, e240842, <https://doi.org/10.1590/1519-6984.240842> (IF: 1.651).
3. Ahmad, B., Ilahi, I., Yousafzai, A.M., **Attaullah, M.**, Rahim, A., Naz, D., Hazrat, A., Bathiha, G.E., Nassan, M.A., Khalil, A.A.K. (2023). Protective effects of *Zizyphus oxyphylla* on liver and kidney related serum biomarkers in (CCl₄) intoxicated rabbits. *Brazilian Journal of Biology* 83, e246980, <https://doi.org/10.1590/1519-6984.246980> (IF: 1.651).
4. **Attaullah, M.** et al. (2023). Diversity of the Anisoptera & Zygoptera (Odonata: Insecta) of Swat, Pakistan. *Brazilian Journal of Biology* 83, e251958, <https://doi.org/10.1590/1519-6984.251958> (IF: 1.651).
5. **Attaullah, M.** et al. (2023). Honey as a bioindicator of environmental organochlorine insecticides contamination. *Brazilian Journal of Biology* 83, e250373, <https://doi.org/10.1590/1519-6984.250373> (IF: 1.651).
6. **Attaullah, M.**, Gul, S., Bibi, D., Andaleeb, A., Ilahi, I., Siraj, M., Ahmad, M., Ullah, I., Ali, M., Ahmad, S., Ullah, Z. (2023). Diversity, distribution and relative abundance of the mosquito fauna (Diptera: Culicidae) of Malakand and Dir Lower, Pakistan. *Brazilian Journal of Biology* 83, e247374, <https://doi.org/10.1590/1519-6984.247374> (IF: 1.651).

7. **Attaullah, M.**, Ullah, U., Ilahi, I., Ahmad, N., Rahman, F.U., Ullah, J., Dad, O., Amin, M., Hassan, H.U., Ullah, R., Buner, I.D. (2022). Taxonomic, morphometric and limnological assessment of the commercially important ichthyofauna of Sakhakot Stream, Malakand, Pakistan. *Brazilian Journal of Biology* 82, e243774, <https://doi.org/10.1590/1519-6984.243774> (IF: 1.651).
8. Amin, M., Yousuf, M., Ahmad, N., Attaullah, M., Ikram, M., Abou Zaid, A.A., Yaro, C.A., Alshammari, E.M., Binnaser, Y.S., Batiha, G.E., Buner, I.D. (2021). Sub-lethal effects of organophosphates and synthetic pyrethroid insecticides on muscle tissue transaminases of *Oreochromis niloticus* in vivo. *Toxicological Research*. Published June 4, 2021. <https://doi.org/10.1007/S43188-021-00097-Y> (IF: 2.85).
9. Ahmad, B., Yousufzai, A.M., Khan, A.A., Attaullah, M., Ali, W., Ahmad, S., Zamani, G.Y., Naz, F., Raziq, S., Ali, A. (2021). Therapeutic effects of *Typha elephantina* leave's extract against paracetamol induced renal injury in rabbits. *Saudi Journal of Biological Sciences*. 28(8): 4324-4328 (IF: 4.219).
10. Ahmad, B., Muhammad, A., Zeb, A., Khan, A.A., Attaullah, M., Ahmad, S. (2021). *In-vitro* and *in-vivo* evaluation of the antibacterial potential of *Typha elephantina*. *Tropical Biomedicine*. 38 (1): 1-7. (IF: 0.623).
11. Khan, A.U., Attaullah, M., Khan, W., Waris, A., Khalid, Sh., Baset, A. (2021). High rate of endoparasites (Helminth) infection of toad (Anurans) in the Dir Lower, Khyber Pakhtunkhwa, Pakistan. *Inland Water Biology* 14(1): 121-124. (IF: 0.481).
12. Hassan, H.U., Gabol, K., Wattoo, J., Chatta, A.M., Ali, Q.M., Mahmood, K., Hussain, M., Abro, N.A., Attaullah, M., Rahman, S.U., Rashid, A., Rahman, M.A. and Hossain, M.Y. (2021). First Pacific White Shrimp, *Litopenaeus vannamei* (Boone, 1931) culture in Pakistan: Evaluation of the optimum salinity level for the growth performance and survival in the hyposaline and hypersaline condition under pond ecosystem. *Journal of Animal and Plant Sciences*. 31(5): 1492-1500. (IF: 0.481).
13. Ilahi, I., Yousufzai, A.M., Haq, T.U., Rahim, A., Attaullah, M., Naz, D. (2020). Toxicity of lead, cadmium, and copper in nymphs of three Odonate species. *Bioscience Research*. 17(4): 2448-2464. (Indexed in HEC HJRS in Y category).
14. Ilahi, I., Yousufzai, A.M., Attaullah, M., Rahim, A., Naz, D., Haq, T.U. (2020). Comparative larvicidal efficacy of six different agricultural insecticides against a Culicine mosquito. *Bioscience Research*. 17(4): 2439-2447. (Indexed in HEC HJRS in Y category).
15. Hassan, H.U., Ali, Q.M., Ahmad, N., Masood, Z., Hossain, M.Y., Gabool, K., Khan, W., Hussain, M., Ali, M., Attaullah, M., Kamal, M. (2020). Assessment of growth characteristics, the survival rate and body composition of Indian Sea bass *Lates calcarifer* (Bloch, 1790) under different feeding rates in closed aquaculture system. *Saudi Journal of Biological Sciences*. 28(2021): 1324-1330. (IF: 4.219).
16. Jamal, Z.A., Abou-Shaara, H.F., Qamer, S., Alotaibi, M.A., Khan, K.A., Khan, M.F., Bashir, M.A., Hannan, A., AL-Kahtani, S.N., Taha, E.A., Alghanem, S.M., Anjum, S.I., Attaullah, M., Raza, G., Ansari, M.J. (2021). Future expansion of small hive beetles, *Aethina tumida*, towards North Africa and South Europe based on temperature factors using maximum entropy algorithm. *Journal of King Saud University Science* 33(1): 101242. (IF: 4.011).
17. Amin, M., Yousuf, M., Attaullah, M., Nabi, G., Buner, I., Ahmad, N., Ullah, U., Khan, Z. (2020). Comparative acute toxicity of organophosphates and synthetic pyrethroid pesticides in vivo exposed freshwater fish *Oreochromis niloticus* (Linnaeus, 1758). *Aquatic*

Ecosystem Health and Management 23(03): 366-372.
<https://doi.org/10.1080/14634988.2020.1816078>. (IF: 1.047).

18. Khan, A.U., Attaullah, M., Khan, W., Waris, A., Khalid, S., Baset, A. (2020). Food habits and helminth parasites of skittering frog (*Euphlyctis cyanophlyctis*) in the Lower Dir, Pakistan. *Journal of Zoological Research*. 2(4): 33-38. DOI: <https://doi.org/10.30564/jzr.v2i4.2268>
19. Rehman, H.U., Nawaz, M.A., Pervez, S., Jamal, M., Attaullah, M., Aman, A., Qader, S.A.U. (2020). Encapsulation of pectinase within polyacrylamide gel: characterization of its catalytic properties for continuous industrial uses. *Heliyon*. 6(2020) e04578. (IF: 1.650).
20. Nawaz, M.A., Pervez, S., Rehman, F., Jamal, M., Jan, T., Hazrat, A., Attaullah, M., Khan, W., Qader, S.A.U. (2020). Utilization of different polymers for the improvement of catalytic properties and recycling efficiency of bacterial maltase. *International Journal of Biological Macromolecules*. 163: 1344-1352 (IF: 6.953).
21. Khan, N., Khan, T.U., Ali, L., Khan, A.L., Ullah, H., Haroon, Shah, A., Ali, N., Attaullah, M., Ahmad, J., Khan, H. (2020). Effect of oxidized palm oil on serum electrolytes and histological alterations in kidney of albino mice. *International Journal of Business Education and Management Studies*. 5(2): 171-177.
22. Kakakhel, M.A., Gohar, F., Anwar, Z., Ullah, R., Attaullah, M., Ahmad, S., Khan, A., Kalimullah. (2020). Seroprevalence and risk factor analysis of *Toxoplasma gondii* infection in pet dogs of Peshawar, Khyber Pakhtunkhwa, Pakistan. *Punjab University Journal of Zoology*. 35(1): 99-105.
23. Ahmad, N., Siddiqui, P.J.A., Khan, K.M., Ali, A., Tahir, M., Akbar, N.U., Amin, M., Attaullah, M., Boneri, I.D. (2020). Effects of partial substitution of fishmeal by soybean meal in Nile Tilapia (*Oreochromis niloticus*) diet. *Journal of Animal and Plant Sciences*. 30(02): 364-370. (IF: 0.529)
24. Khan, A., Noushin, R., Attaullah, M., Khan, S.N., Hussain, R., Dawar, F.U., Rehman, F.U., Ijaz, M., Ullah, K. (2020). Prevalence of tick born *Babesia* infection among domestic cattle of Khyber Pakhtunkhwa, Pakistan. *Pakistan Journal of Zoology*. 52(6):2401-2403. (IF: 0.831)
25. Hassan, H.U., Ali, Q.M., Ahmad, N., Attaullah, M., Chatta, A.M., Farooq, U., Ali, A. (2020). Study of vertebrate diversity and associated threats in selected habitats of Sindh and Balochistan, Pakistan. *International Journal of Biology and Biotechnology*. 17(1): 163-175.
26. Khalid, S., Attaullah, M., Waris, A., Baset, A., Masroor, R., Khan, A.U., Khan, I. (2019). Diversity and distribution of lizard fauna in tehsil Samar Bagh, Dir lower, Khyber Pakhtunkhwa, Pakistan. *International Journal of Fauna and Biological Studies*. 6(6): 20-25.
27. Hussain, A., Attaullah, M., Rafi, M.A., Khan, H., Waris, A., Zeb, A., Baset, A. (2019). Diversity of carpenter bee fauna (*Xylocopa* spp.) in Dir Lower, Khyber Pakhtunkhwa, Pakistan. *Indo American Journal of Pharmaceutical Sciences*. 6 (10): 13512-13520.
28. Dad O, Attaullah, M, Ullah H, Ullah R, Ilahi I, Ahmad S, Ahmad B, Ali L, Zeb S. (2019). Prevalence of malaria and status of *Plasmodium* spp. in Dir Lower, Pakistan. *Journal of Biodiversity and Environmental Sciences*. 15(2): 83-87.
29. Ilahi I, Yousafzai AM, Haq TU, Attaullah M, Rahim A, Ali H, Muhammad H, Halimullah, Farooq M, Ali Y, Roghani K, Bibi J, Khan S, Mehmood A. (2019). Effect of inorganic nutrient pollutants on oviposition preference, egg hatching rate and larval development of

- Culex quinquefasciatus*. *Applied Ecology and Environmental Research*. 17(5): 10525-10541. (IF: 0.712).
30. Ilahi I, Attaullah M, Rahim A, Sajjad MA, Ullah S, Zaman S, Rahim G, Ali H. (2019). Insecticidal activities of *Symbopogon nardus* (Linn.) whole plant ethyl acetate extract against lymphatic filariasis vector with study on non-target organisms. *International Journal of Biosciences* 14 (6): 312-323.
 31. Ullah H, Attaullah M, Ilahi I, Ahmad S, Ali H, Dad O, Ali L, Hussain A, Ullah N, Ahmad A. (2019). Entomofauna of forensic importance on *Canis domesticus* carcasses at Dir Lower, Pakistan. *International Journal of Biosciences*. 15 (2): 532-538.
 32. Ilahi I, Yousafzai AM, Attaullah M, Haq TU, Ali H, Rahim A, Sajad MA, Najeeb S, Zaman S, Ullah S, Ahmad A, Begum R, Waqas, Bibi H, Hussain S, Ahmad B. (2019). The role of Odonate Nymphs in Ecofriendly Control of Mosquitoes and Sensitivity of Odonate Nymphs to Inorganic Nutrient Pollutants. *Applied Ecology and Environmental Research*. 17(3): 6171-6188. (IF: 0.712).
 33. Attaullah M, Yousuf MJ, Amin M, Buner ID, Rahim A, Anjum SI, Ilahi, I. (2019). Endosulfan concentrations in association with serum biochemical parameters and risk of cancer. *Applied Ecology and Environmental Research*. 17(2): 5235-5244. (IF: 0.712).
 34. Ilahi I, Yousafzai AM, Haq TU, Ali H, Rahim A, Sajad MA, Khan AN, Ahmad A, Ullah S, Zaman S, Bibi A, Hussain S, Rahman MU, Saqib MS, Ahmad B, Attaullah M. (2019). Oviposition deterrence and adult emergence inhibition activities of *Cymbopogon nardus* against *Culex quinquefasciatus* with study on non-target organisms. *Applied Ecology and Environmental Research*. 17(2): 4915-4931. (IF: 0.712).
 35. Buner ID, Yousuf M, Attaullah M, Afridi S, Anjum SI, Rana H, Ahmad N, Amin M, Tahir M, Ansari MJ. (2019): A comparative toxic effect of *Cedrus deodara* oil on larval protein contents and its behavioral effect on larvae of mealworm beetle (*Tenebrio molitor*) (Coleoptera: Tenebrionidae). *Saudi Journal of Biological Sciences*, 26: 281-285. (IF: 2.82).
 36. Ahmad N, Siddique PJA, Ali A, Khan KM, Masroor R, Akbar N, Amin M, Attaullah M. (2019). Dietary Protein Level in the Practical Diet of Yellowfin Seabream, *Acanthopagrus arabicus*, Juveniles for Optimum Growth Performance, Survival and Carcass Composition. *Pakistan Journal of Zoology*. 51(3): 1003-1009. (IF: 0.790).
 37. Anjum SI, Ullah A, Khan KA, Attaullah M, Khan H, Ali H, Bashir MA, Tahir M, Ansari MJ, Gramh HA, Adgaba N, Dash CK. (2019): Composition and functional properties of propolis (bee glue): A review. *Saudi Journal of Biological Sciences*, 26: 1695-1703. (IF: 2.82).
 38. Attaullah M, Haq N, Ullah R, Buner ID, Rahim A. (2018). Diversity of butterfly fauna of Doag Dara, Sheringal, Dir Upper, Pakistan. *Journal of Biodiversity and Environmental Sciences*, 13(02): 297-305.
 39. Khan H, Rafi MA, Basit A, Hussain A, Attaullah M, Waris A. (2018). Exploring of bumble bee fauna and its biogeographical affiliation in district Swat, Khyber Pakhtunkhwa, Pakistan. *Journal of Entomology and Zoology Studies*, 6(6): 1041-1048.
 40. Khattak B, Safi AUR, Sindhu ZUD, Attaullah M, Jamal Q, Khan TA, Hussain M, Anjum SI, Israr M, Khan IA. (2018). Biological control of *Haemonchus contortus* by fungal antagonists in small ruminants. *Applied Ecology and Environmental Research* 16(5):5825-5835. (IF: 0.712).

41. Buner ID, Yousuf MJ, Attaullah M, Khan BT and Amin M. (2018): Biochemical effects of deodar oil in comparison to imidacloprid and carbosulfan on pupae of mealworm *Tenebrio molitor* (Coleoptera: Tenebrionidae). *Journal of Biodiversity and Environmental Sciences*, 12(3): 343-348.
42. Attaullah M, Yousuf MJ, Shaukat S, Anjum SI, Ansari MJ, Buner ID, Tahir M, Amin M, Ahmad N, Khan SU. (2018). Serum organochlorine pesticides residues and risk of cancer: a case-control study. *Saudi Journal of Biological Sciences*, 25(7): 1284-1290. **(IF: 3.138)**.
43. Anjum SI, Husain S, Khan HU, Attaullah M, Rajput S, Shah AH, Buner ID, Shah AH. (2017): Toxicity assessment of the methanol extract from *Elaeagnus angustifolia* against larvae of *Drosophila melanogaster* Meign (Diptera/Drosophilidea). *Journal of Entomology and Zoology Studies*, 5(1): 217-220.
44. Anjum SI, Husain S, Attaullah M, Khan HU, Khattak B, Fouad H. (2016): Evaluation of the larvicidal potential of *Calotropis procera* plant extract against *Culex pipiens*. *International Journal of Mosquito Research*, 3(6): 01-05.
45. Attaullah M, Yousuf MJ, Afridi S, Dad I, Amin M, Anjum SI, Ullah R. (2016): Cell free DNA - a novel biomarker in the field of oncology: a comparative account in the cancer patients and healthy residents of Karachi City. *International Journal of Biosciences*, 9(4): 356-364.
46. Attaullah M, Yousuf MJ, Dad I, Amin M, Anjum SI, Ullah R. (2016): Cancer incidence of digestive system with reference to the assessment of selected polychlorinated biphenyl congeners. *International Journal of Biosciences*, 9(4): 328-334.
47. Attaullah M, Yousuf MJ, Shaukat S, Munshi AB, Khawaja S, Anjum SI. (2016): Polychlorinated biphenyl residues and etiology of cancer: a case-control study in the residents of Karachi city. *Journal of Biodiversity and Environmental Sciences*, 9(2): 212-221.
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REVIEWER OF JOURNALS

1. Saudi Pharmaceutical Journal
2. BIOCELL
3. International Journal of Tropical Insect Science
4. The Journal of Basic and Applied Zoology (Springer Nature)
5. International Journal of Toxicology and Environmental Health
6. Brazilian Journal of Biology
7. Journal of Pharmaceutical Research International
8. Pakistan Journal of Scientific and Industrial Research
9. FUUAST Journal of Biology

10. Nusantara Bioscience
11. International Journal of Entomology and Nematology
12. Journal of Bioresource Management
13. Uttar Pradesh Journal of Zoology

BS/MSc/M.Phil. THESIS SUPERVISED

1. Impact of climate change on the populations of honey bees (2022).
2. Management of *Sitophilus granarius* with different plant n-Hexane extracts (2022).
3. Prevalence and risk factor analysis of COVID-19 at Dir Lower, Pakistan (2022).
4. Infestation of Greater Wax Moth (*Galleria mellonella*) in honeybee colonies (2021).
5. Insect pests of forests: A review (2021).
6. Nest building behaviors of Vespidae & Sphecidae (Hymenoptera) at Chakdara, Dir Lower, Pakistan (2021).
7. A study on *Aethina tumida* in honey bee colonies at Dir Lower, Pakistan (2021).
8. Analysis of artificial diets and floral sources for honey bees at Dir Lower, Pakistan (2021).
9. Evaluation of nosemosis in honey bee colonies at Swat, Pakistan (2021).
10. Prevalence of Leishmaniasis at Timergara, Dir Lower, Pakistan (2021).
11. Diversity of butterfly fauna of Allah Dand Dheri, Malakand, Pakistan (2021).
12. Relative abundance and diversity of Odonate fauna of Swat, Pakistan (2020).
13. Anticancer potential of the bioactive components of apitoxin (2020).
14. Physicochemical characterization of honey at Dir Lower, Pakistan (2020).
15. Biofuel generation in termites through gut microbiota: a review (2020).
16. A review of the COVID-19 pandemic in Pakistan (2020).
17. A review of the moth fauna (Lepidoptera) of Pakistan (2020).
18. A review of the cutaneous leishmaniasis in Pakistan (2020).
19. Dengue epidemiology in Pakistan: a review (2020).
20. Epidemiology of malaria at Dir Lower, Khyber Pakhtunkhwa, Pakistan. (2019).
21. Diversity of Butterfly fauna at Timergara, Dir Lower, Pakistan. (2019).
22. Insect succession and decomposition patterns on *Oryctolagus cuniculus* carcasses in the forests of Dir Lower, Pakistan. (2019).
23. Honeybee pathology – a world perspective. (2019).
24. Relative abundance and distribution of mosquito fauna (Diptera: Culicidae) of Dir Lower, Pakistan (2019).
25. Prevalence of Malaria in District Malakand and Dir Lower, Khyber Pakhtunkhwa, Pakistan (2019).
26. Epidemiology of dengue in Pakistan (2019).
27. Constraints and prospects of apiculture at Malakand and selected areas of Punjab, Pakistan (2019).
28. Study of the carpenter bee fauna at District Dir Lower, KP, Pakistan (2018).
29. Endoparasites (Helminths) of frogs and toads (Anurans) in District Dir Lower, Pakistan (2018).
30. Identification of Insect Fauna on Dog Carcasses in District Dir Lower (2018).
31. Diversity and Distribution of Lizard Fauna in Tehsil, Munda, Dir Lower, KP, Pakistan (2018).

32. Diversity of Butterfly Fauna (Insecta: Lepidoptera) in District Malakand, KP, Pakistan (2018).
33. Identification of spiders through its genitalia at District Dir Upper, KP, Pakistan (2018).
34. First Record of Arthropod Species on Rabbit (*Oryctolagus cuniculus*) Corpse in Bajaur Agency: For Forensic Studies (2018).
35. Prevalence of malaria in District Dir, Lower, KP, Pakistan (2018).
36. Diversity of butterfly fauna of Sheringal, Dir Upper, KP, Pakistan (2017).

BS/MSc/M.PHIL THESIS EVALUATED/ VIVA VOCE CONDUCTED

1. Industrially important Glucoamylase production from agricultural wastes using *Bacillus* sp. (BS Biotechnology, SBBU Dir Upper, 2017).
2. Recycling of agricultural wastes by *Bacillus* sp. to produce commercially important Alpha Amylase (BS Biotechnology, SBBU Dir Upper, 2017).
3. Collection, transport and acclimatization of Snow Trout (*Schizothorax plagiostomus*) to captivity at Dir Upper, KP (BS Zoology, SBBU Dir Upper, 2018).
4. Application of different CP level feeding trials on Snow Trout seed (*Schizothorax plagiostomus*) during acclimatization period (BS Zoology, SBBU Dir Upper, 2018).
5. Diversity, distribution and threats to the avian fauna of Dir Lower, Khyber Pakhtunkhwa, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
6. Diversity of grasshopper fauna (Insecta: Orthoptera) in Tehsil Sheringal, District Dir Upper, Khyber Pakhtunkhwa, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
7. Diversity and distribution of lizard fauna in Tehsil Lal Qila, Dir Lower, KP, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
8. Exploring the diversity of butterfly fauna (Insecta: Lepidoptera) in Tehsil Sheringal, Dir Upper, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
9. Exploring fauna of mosquitoes in Dir Upper, KP, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
10. Studies on the artificial breeding, larval rearing and feed development of Rainbow Trout (*Onchorhynchus mykiss*) at TCTC, Madyan, Swat, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
11. Physiochemical parameters and their effects on fish diversity in Chitral River at Khyber Pakhtunkhwa province of Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
12. Artificial breeding and survival rate of Rainbow Trout (*Onchorhynchus mykiss*) at Trout Hatchery, Jughor, Chitral, KP, Pakistan (M.Phil. Zoology, SBBU Dir Upper, 2018).
13. Incidence of Thyroid Cancer in District Swat (MSc Zoology, University of Swat, Jan. 2019).
14. Diversity of Beetles (Coleoptera) in District Swat (MSc Zoology, University of Swat, Jan. 2019).
15. Biodiversity, distribution and ecology of Drosophilids (Diptera: Drosophilidae) in Tehsil Babozai, District Swat (MSc Zoology, University of Swat, Jan. 2019).
16. Exploration of Ichthyofauna in river Barandu, District Buner and Kotkay Khwar, District Shangla (MSc Zoology, University of Swat, Jan. 2019).
17. Diversity of Butterfly fauna in valley Sharbatai, District Bajaur (MSc Zoology, University of Swat, Jan. 2019).

18. Biodiversity and association of butterflies in Kanju Township, District Swat (MSc Zoology, University of Swat, Jan. 2019).
19. Cultivation of *Agave americana* L. at University of Malakand Botanical Garden and Herbarium (BS Botany, University of Malakand, 2019).
20. Cultivation of *Cycus revoluta* Thunb and *Stengeria schizodon* W. Bull at University of Malakand Botanical Garden and Herbarium (BS Botany, University of Malakand, 2019).
21. Vegetative regeneration of *Opuntia ficus indica* at Botanical Garden, University of Malakand (BS Botany, University of Malakand, 2019).
22. In-vitro conservation of *Salvia plebeia* from Malakand Division (BS Botany, University of Malakand, 2019).
23. In-vitro propagation of *Salvia plebeian* from University of Malakand Campus (BS Botany, University of Malakand, 2019).
24. Effect of hormones on in-vitro propagation of *Rumex hastatus* L. (BS Botany, University of Malakand, 2019).
25. In-vitro conservation of *Marrubium vulgare* R. Br. (BS Botany, University of Malakand, 2019).
26. Diagnostic procedures (trials) recommended for women before delivery in a labor room (BS Zoology, University of Swat, 2020).
27. Morphometric identification of four domestic animals, buffalo, cow, goat and sheep in District Swat (BS Zoology, University of Swat, 2020).
28. Diversity of domestic cats in Tehsil Matta and Tehsil Kabal of District Swat (BS Zoology, University of Swat, 2020).
29. Prevalence of different genetic traits among the local population of Charbagh, District Swat (BS Zoology, University of Swat, 2020).
30. Estimation of observable genetic traits in the local population of Tehsil Matta and Tehsil Kabal, District Swat (BS Zoology, University of Swat, 2020).
31. Observable human characteristics among the female population of Tehsil Kabal, District Swat (BS Zoology, University of Swat, 2020).
32. Twenty observable human characters in Village Khadagzai, District Dir Lower (BS Zoology, University of Swat, 2020).
33. Frequency of different observable human characters in population of Tehsil Kabal, District Swat (BS Zoology, University of Swat, 2020).
34. An analysis of the medico-legal cases in the casualty of Saidu Groups of Teaching Hospital of District Swat (BS Zoology, University of Swat, 2020).
35. Identification of fruit inhibitor insects in Madyan Valley, District Swat (BS Zoology, University of Swat, 2020).
36. Diversity of dragonflies (Suborder Anisoptera) in District Dir Lower (BS Zoology, University of Swat, 2020).
37. The effect of salt stress in seed germination, growth and development of *Capsicum annum* (BS Botany, University of Malakand, 2020).
38. Effect of NaCl on stress and physiochemical responses of *Spinacea oleraea* (BS Botany, University of Malakand, 2020).
39. Review of literature on salt stress with reference to okra (*Abelmoschus esculentus*) (BS Botany, University of Malakand, 2020).

REFERENCES

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2. Dr. Syed Ishtiaq Anjum, Associate Professor, Department of Zoology, Kohat University of Science and Technology, Kohat, Pakistan. Email: ishtiaq@kust.edu.pk
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