

# CURRICULUM VITAE

## DR. IKRAM ILAHI



Associate Professor, Department of Zoology, University of Malakand  
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### Qualification

Title of Certificate/Degree	Year	Division/CGPA	Board/University
Ph. D (Zoology)	2018	3.5	Islamia College Peshawar
M. Phil (Animal Physiology)	2011	3.5	QAU, Islamabad
M. Sc (Zoology)	1999	First	University of Peshawar
B. Sc. (Botany, Chemistry, Zoology)	1997	First	University of Peshawar
F. Sc (Pre. Medical)	1994	First	BISE Swat
SSC	1992	First	BISE Swat

**Subjects Studied during Ph.D.:** Advances in Ecology, Fisheries and Aquaculture, Lab Biosafety, Classical Genetics

### **Specialization and Research Title**

Specialization in Environmental Toxicology

**Research Title:** Ecofriendly Control of *Culex quinquefasciatus* (say, 1823) and Susceptibility of its Larvae and Predators to different Environmental Pollutants

**Subjects Studied during M.Phil.:** Advances in Animal Physiology, Advances in Neurobiology, Advances in Cell Biology, Andrology, Population Genetics and Advances in Endocrinology

**Specialization and Research during M. Phil**

Specialization in Animal Physiology

**Research Title:** Effects of Aqueous and Organic Solvent Fractions of *Melia azedarach* (Linn) Berries on Biochemical Parameters of *Oryctolagus cuniculus*.

**Subjects studied during M.Sc.:** Environmental Biology, Economic Zoology, Zoogeography, Wildlife of Pakistan, Evolution, Paleontology, Taxonomy, Animal behavior, Genetics, Biostatistics, Developmental Biology, Cell Biology, Biochemistry, Animal Physiology, and Entomology

**Specialization and Research during M.Sc.**

Specialization in Entomology.

**Research Title:** Ecology and Biodiversity of Mosquitoes in Swat.

**Experience**

- Presently working as Associate Professor in Zoology, Department of Zoology, University of Malakand since 19<sup>th</sup> September 2019.
- Worked as Assistant Professor in Zoology, Department of Zoology, University of Malakand from 10<sup>th</sup> April 2012 to 19<sup>th</sup> September 2019.
- Worked as Lecturer at the Department of Biotechnology, University of Malakand from September 16, 2006, to 9<sup>th</sup> April 2012.

**Additional Responsibility at working place**

- Working as Chairman Department of Zoology University of Malakand since 15<sup>th</sup> October 2019
- Acted as In-charge Department of Zoology University of Malakand since 9<sup>th</sup> April 2013 to 19 July 2018
- Worked as Coordinator of M.Sc. Zoology Two Year Program, during 2010-2013
- Worked as Coordinator of BS Zoology Four Year Program since October 2012 to July 2013.

**Research Supervision of M.Phil. /PhD Scholars**

1. Mr. Sohail Anjum, (M. Phil. 2023). Molecular characterization and phylogenetics analysis of various fish species in River Panjkora. (Defense awaiting).
2. Mr. Muhammad Abbas, (M. Phil. 2023). DNA barcoding for phylogenetic analysis of selected fish species in Bajaur Khyber Pakhtunkhwa Pakistan. (Defense awaiting).
3. Mr. Sayyed Noaman Shah (M.Phil. 2023 Completed in my co-supervision). DNA barcoding and phylogenetics of selected fish species in Swat, Khyber Pakhtunkhwa, Pakistan.
4. Mis Nasiha Begum (M.Phil. 2022 completed in my co-supervision). Hepatoprotective and Nephroprotective Effect of Wild Punica granatum L. Peel Methanol Extract in Rabbits.
5. Mr. Saddam Hussain (2021 completed in my co-supervision). Comparative Study of Larvicidal Activities of Selected Plants Extract against *Culex quinquefasciatus*

6. Mr. Yasir Ali, working as M. Phil scholar under my supervision since April 2020 (near completion).
7. M. Farhat Naz, working as PhD scholar under my supervision since April 2021 (in progress).
8. Mr. Ikram Ullah, working as PhD Scholar under my supervision since April 2021 (in progress).
9. Ms. Rohi Naz, working as PhD scholar under my supervision since April 2022 (in progress).
10. Mr. Naseer Ullah, working as PhD scholar under my supervision since April 2022 (in progress).
11. Mr. Waqa Ahmad, working as M. Phil scholar under my supervision since April 2022 (in progress).
12. Ms. Maryam Bibi, working as M. Phil scholar under my supervision since April 2022 (in progress).
13. Ms. Hira, working as M. Phil scholar under my supervision since April 2022 (in progress).
14. Ms. Hira Sayed, working as M. Phil scholar under my supervision since April 2022 (in progress).
15. Ms. Shandana Ali, working as M. Phil scholar under my supervision since April 2022 (in progress).
16. Mr. Barkat Ullah, working as M. Phil scholar under my supervision since April 2022 (in progress).
17. Mr. Muhammad Jibran, working as M. Phil scholar under my supervision since April 2022 (in progress).
18. Mr. Abdur Rahman, working as M. Phil scholar under my supervision since April 2022 (in progress).
19. Mr. Rizwan Ullah, working as M. Phil scholar under my supervision since April 2022 (in progress).

### **Research Publications**

1. Tehseen I, Haq TU, **Ilahi I (Principal author)**, Khan AA, Attaullah M, Zamani GY, Zaman S, Ismail I. (2022). Antidiabetic and hepato-renal protective effects of medicinal plants in STZ induced diabetic rats. *Braz J Biol.* 10; 84: e260189.
2. Izhar Ahmad<sup>1</sup>, **Ikram Ilahi (Coauthor)**, and Asghari Bano. (2022). Evaluation of antioxidant and larvicidal activities of selected tamarix species against the southern house mosquito "culex quinquefasciatus (SAY)". *Pak. J. Bot.*, 54(4): 1531-1536.
3. Ahmad B, **Ilahi I**, Yousafzai AM, Attaullah M, Rahim A, Naz D, Hazrat A, Batiha GE, Nassan MA, Khalil AAK. (2021). Protective effects of Zizyphus oxyphylla on liver and kidney related serum biomarkers in (CCI4) intoxicate rabbits. *Braz J Biol.* 27;83: e246980
4. Mirza Gul, Muhammad Zahid, **Ikram Ilahi (Coauthor)**, Hazrat Ali, Fida Hussain<sup>3</sup> and Muhammad Anwar Sajad. (2022). Eco-Friendly Control of Culex quinquefasciatus Say (Diptera: Culicidae) through Botanical Insecticides and Predatory Insects. *Pakistan Journal of Zoology.* Vol. 54 Issue 2, p873-879
5. Mehmood A, Ali W, Song S, Din ZU, Guo RY, Shah W, **Ilahi I (Coauthor)**, Yin B, Yan H, Zhang L, Khan M, Ali W, Zeb L, Safari H, Li B. (2021). Optical coherence tomography

- monitoring and diagnosing retinal changes in multiple sclerosis. *Brain Behav.* 11(10): e2302.
6. Mehmood A, Ali W, Din ZU, Song S, Sohail M, Shah W, Guo J, Guo RY, **Ilahi I (Coauthor)**, Shah S, Al-Shaebi F, Zeb L, Asiamah EA, Al-Dhamin Z, Bilal H, Li B. Clustered regularly interspaced short palindromic repeats as an advanced treatment for Parkinson's disease. *Brain Behav.* 2021 Aug;11(8): e2280.
  7. Attaullah M, Ullah I, Ali M, Maula F, **Ilahi, I (Coauthor)**, Ahmad B, Khwaja S, Ullah Z, Siraj M, Raheel SMM. (2021). Diversity of the Anisoptera & Zygoptera (Odonata: Insecta) of Swat, Pakistan. *Braz J Biol.* 83: e251958.
  8. Hussain A, **Ilahi, I (Coauthor)**, Ahmed H, Niaz S, Masood Z, Khan T, Khan A, Zajac Z, Alkhaibari AM, Alanazi AD. Evaluation of indigenous plants' extracts for mosquitocidal activity against different stages of *Culex quinquefasciatus* say (Diptera: Culicidae). *Braz J Biol.* 2021 Dec 20;83: e248122.
  9. Attaullah M, Gul S, Bibi D, Andaleeb A, **Ilahi, I (Coauthor)**, Siraj M, Ahmad M, Ullah I, Ali M, Ahmad S, Ullah Z. Diversity, distribution, and relative abundance of the mosquito fauna (Diptera: Culicidae) of Malakand and Dir Lower, Pakistan. *Braz J Biol.* 2021 Aug 20;83: e247374.
  10. Attaullah, M.; Nawaz, M.A.; **Ilahi, I (Coauthor)**.; Ali, H.; Jan, T.; Khwaja, S.; Hazrat, A.; Ullah, I.; Ullah, Z.; Ullah, S. et al. Honey as a bioindicator of environmental organochlorine insecticides contamination. *Brazilian Journal of Biology*, 2021, vol. 83, e250373.
  11. Attaullah M, Ullah U, **Ilahi, I (Coauthor)**, Ahmad N, Rahman FU, Ullah J, Dad O, Amin M, Hassan HU, Ullah R, Buner ID. Taxonomic, morphometric and limnological assessment of the commercially important ichthyofauna of Sakhakot Stream, Malakand, Pakistan. *Braz J Biol.* 2021 Jun 21;82: e243774
  12. **Ikram Ilahi** (Principal author), Taqweem UI Haq (2021). Mini-Review-Role of Kisspeptin–GPR54 system in regulation of reproductive functions in human and other mammals. *Pak. J. Pharm. Sci. Pakistan Journal of Pharmaceutical Sciences.* 34(1), 177-184.
  13. **Ilahi I** (Principal author), Yousafzai AM, Attaullah M, Haq TU, Rahim A, Khan W, Khan AA, Ullah S, Jan T, Khan MM, Rahim G, Zaman N. (2021). Mosquitocidal activities of *Chenopodium botrys* whole plant n-hexane extract against *Culex quinquefasciatus*. *Braz J Biol.* 83: e240842.
  14. **Ikram Ilahi** (Principal Author), Ali Muhammad Yousafzai, Taqweem UI Haq, Abdur Rahim, Mohammad Attaullah, Dil Naz (2020). Toxicity to Lead, Cadmium and Copper in nymphs of three Odonate species. *Bioscience Research*, 17(4): 2448-2464.
  15. **Ikram Ilahi** (Principal author), Ali Muhammad Yousafzai, Mohammad Attaullah, Abdur Rahim, Dil Naz, Taqweem UI Haq (2020). Comparative larvicidal efficacy of six different agricultural insecticides against a Culicine mosquito. *Bioscience Research*, 17(4): 2439-2447.
  16. Khan W, Nisa NN, **Ilahi I (coauthor)**, Romman M, Parvez R, Khan N, Ujjan AA, Salim M, Hussain A, Habiba U, Alam A (2021). Distribution of commensal rodents in rain-fed and irrigated areas of Swat district, Khyber Pakhtunkhwa, Pakistan. *Braz J Biol.* 12;82: e236499
  17. **Ikram Ilahi (Principal author)**, Yousafzai. A.M., Rahim, A., Haq, T.U., Wahab, S., Ali, H., Halimullah, Farooq, M., Muhammad, H., Ullah, F., Ahmad, B., Ullah, S., Hussain, S. (2020). Sensitivity of Odonate nymphs to different classes of agricultural insecticides, frequently applied in Swat Valley Pakistan. *Applied Ecology & Environmental Research.* 18(3): 4115-4136.

18. **Ikram Ilahi (Principal author)**, Ali Muhammad Yousafzai and Hazrat Ali (2020). Effect of pb, Cd and Cu on survival and development of *Culex quinquefasciatus* (Diptera: Culicidae). *Chemistry and Ecology*. Vol. 36, No. 3, 205–219.
19. **Ikram Ilahi (Principal author)**, Yousafzai, A. M., Haq, T. U., Attaullah, M.1., 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.
20. **Ikram Ilahi, I (Principal author)**, Yousafzai, A. M., Attaullah, M., Haq, T. U., 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. *Appl Ecol & Environ Res*. 17(3):6171-6188.
21. **Ikram Ilahi, I (Principal author)**, Yousafzai, A. M., Haq, T. U., Ali, H., Rahim, A., Sajad, M. A., Khan, A. N., Ahmad, A., Ullah, S., Zaman, S., Bibi, A., Hussain, S., Rahman, M. U., Saqib, M. S., Ahmad, B. Attaulla, M. (2019). Oviposition deterrence and adult emergence inhibition activities of *Cymbopogon nardus* against *Culex quinquefasciatus* with study on non-target organisms. *Appl Ecol & Environ Res*. 17(2).
22. Attaullah, M. Yousu F, M. J., Amin, M., Buner, I. D., Rahim, A., Anjum, S. I., **Ikram Ilahi, (Coauthor)** (2019). Endosulfan concentrations in association with serum biochemical parameters and risk of cancer. *Appl Ecol & Environ Res* 17(2).
23. Hazrat Ali, Ezzat Khan, and **Ikram Ilahi (Coauthor)** (2019). Environmental Chemistry and Ecotoxicology of Hazardous Heavy Metals: Environmental Persistence, Toxicity, and Bioaccumulation. *Journal of Chemistry*. Volume 2019, Article ID 6730305.
24. **Ikram Ilahi (Principal author)**, Jahangir Khan, Mehreen Ghias, Abdur Rahim, Taqweem Ul Haq, Muhammad Anwar Sajad, Ashfaq Ahmad, Shah Zaman, Shariat Ullah, Saeed Ahmad. Hepatoprotective and nephroprotective activities of *Pistacia integerrima* fruit extract in paracetamol intoxicated male rabbits with effect on blood cells count. *Pak. J. Pharm. Sci.*, Vol.32, No.2 (Suppl), March 2019, pp.817-827.
25. **Ikram Ilahi (Principal author)**, Waqas, Saif Ullah, Hazrat Ali, Reema Begum, Hafsa Nawaz, Hafsa Bibi, Anila Bibi, Fouzia Sardar, Amia Bibi, Fozia Bibi and Sheema Bibi (2018). Effect of long-term exposure to sublethal concentration of imidacloprid on some biochemical and haematological parameters of Grass carp and Goldfish. *Pak. J. Pharm. Sci.*, Vol.31, No.6 (Suppl), November 2018, pp.2655-2660.
26. **Ikram Ilahi (Principal author)** and Ali Muhammad Yousafzai. Larvicidal, pupicidal and adulticidal activities of non-polar solvent extract of *Cymbopogon nardus* (Linn.) whole plant against a mosquito, *Culex quinquefasciatus* (Say.). *Pak. J. Pharm. Sci.*, Vol.30, No.6 (Suppl), November 2017, pp.2337-2340.
27. **Ikram Ilahi (Principal author)**, Jahangir Khan, Rukhsana Ghaffar, Akhtar Hussain, Kausar Rahman, Sara Wahab, Razia Begum, Maryum Hidayatullah, Asma Amin, Sobia, Muhammad Shoaib, Izhar Ahmad, Dawood Ali and Liaqat Zeb (2016). In vitro antioxidant and hepatoprotective activities of *Paeonia emodi* (Wall.) rhizome methanol extract and its phenolic compounds rich fractions. *Pakistan journal of pharmaceutical sciences* 29(5):1787-1794.
28. Muhammad Naveed Umar, Mohammad Shoaib, Mohammad Sadiq, Muhammad Ayaz, Sumaira Miskeen, Ismail Shah, Imran Khan Haroon Ur Rahid, **Ikram Ilahi (Coauthor)**, Sher Wali Khan (2016). Synthesis and Pharmacological Properties of 1,3-Bis[(S) Phenylethyl] Imidazolidine-2-Thione. *Pharmaceutical Chemistry Journal*, 50 (6): 382–387.
29. **Ikram Ilahi (Principal author)**, Irfan Zia Qureshi (2014). Effects of fractions of *Melia azedarach* fruit extract on serum biochemical parameters in normal rabbits. *Archives of Biological Sciences*. 66(4):1311-1319.

30. **Ikram Ilahi (First author)**, Samina Samar, Imran Khan and Izhar Ahmad (2013). In vitro antioxidant activities of four medicinal plants on the basis of DPPH free radical scavenging. *Pakistan Journal of Pharmaceutical Sciences*. 26(5):949-52.
31. Hazrat Ali<sup>1</sup>, Wajid Ali<sup>1</sup>, Karim Ullah, Fazle Akbar, Sher Ahrar, Irfan Ullah, Irum Ahmad, Ashfaq Ahmad, **Ikram Ilahi (Coauthor)** and Muhammad Anwar Sajad (2017). Bioaccumulation of Cu and Zn in *Schizothorax plagiostomus* and *Mastacembelus armatus* from River Swat, River Panjkora and River Barandu in Malakand Division, Pakistan. *Pakistan J. Zool.*, vol. 49(5), pp 1555-1561.
32. **Ikram Ilahi**, Muhammad Attaullah, Abdur Rahim, Muhammad Anwar Sajad, Shariat Ullah, Shah Zaman, Gul Rahim, Hazrat Ali (2019). Insecticidal activities of *Cymbopogon nordus* (Linn.) whole-plant ethyl acetate extract against lymphatic filariasis vector with study on non-target organisms. *Int. J. Biosci.*14(6), 311-322.
33. Haseen Ullah, Mohammad Attaullah, **Ikram Ilahi**, Saeed Ahmad, Hazrat Ali, Omer Dad, Liaqat Ali, Afzal Hussain, Numan Ullah, Adnon Ahmad (2019). Entomofauna of Forensic importance on *Canis domesticus* carcasses at Dir Lower, Pakistan. *Int. J. Biosci.*15(2), 532-538.
34. Imran Khan, Muhammad Masoom Yasinzai, Zaffar Mehmood, **Ikram Ilahi (Coauthor)**, Jangrez Khan, Ali Talha Khalil, Muhammad Shahab Saqib, Waheed Ur Rahman (2014). Comparative Study of Green Fruit Extract of *Melia azedarach* Linn. With its Ripe Fruit Extract for Antileishmanial, Larvicidal, Antioxidant and Cytotoxic Activity. *American Journal of Phytomedicine and Clinical Therapeutics*. 2 (3): 442-454.
35. **Ikram Ilahi (Principal author)** and Farman Ullah (2013). Larvicidal Activities of Different Parts of *Artemisia vulgaris* Linn. against *Culex quinquefasciatus* Say. (Diptera: Culicidae). *International Journal of Innovation and Applied Studies*. Vol. 2 No. 2, pp. 189-195.
36. Saleem-Ur-Rahman, **Ikram Ilahi (Corresponding author)**, Suliman Khan, Ayaz Ali Khan, Muhammad Zuhaib Khan (2013). Parkinson's disease; Its Occurrence and Identification of Risk Factors in Khyber Pakhtunkhwa, Pakistan. *Journal of Biology and Life Science*. Vol. 4, No. 1, pp.172-180.
37. **Ikram Ilahi (Principal author)**, Ali Asghar, Shujat Ali, Murad Khan, and Nasrullah Khan (2012). Beneficial Effects of *Pentanema vestitum* Linn. Whole Plant on the Glucose and Other Biochemical Parameters of Alloxan Induced Diabetic Rabbits. *ISRN Pharmacology*. Article ID 478023, 7 pages doi:10.5402/2012/478023.
38. **Ikram Ilahi (Principal author)**, Asghar Khan, Ubaid Ullah, Imran Khan, Jawad Ali, Murad Khan (2012). Effects of Fruits Extracts of Three Medicinal Plants on the Blood Glucose Level of Glucose-induced Hyperglycemic and Normal Rabbit Models. *Journal of Biology and Life Science*. Vol. 3, No. 1, pp.200-210.
39. **Ikram Ilahi (Principal author)**, Asghar Khan, Mehboob Ali, Ubaid Ullah, Jawad Ali, Murad Khan (2012). Effects of Stone Dust Exposure on Some Liver and Kidney Related Serum Parameters of Stone Crush Plant Workers. *Journal of Biology and Life Science*. Vol. 3, No. 1, pp.211-219.
40. **Ikram Ilahi (Principal author)**, Imran Khan, Mohammad Tariq and Izhar Ahmad (2012). Larvicidal Activities of Different Parts of *Melia azedarach* Linn. against *Culex quinquefasciatus* Say. (Diptera: Culicidae). *Journal of Basic & Applied Sciences*, Vol. 8, No. 1, pp. 23-28.
41. Halimullah, Waheed Ali Panhwar, Sardar Azhar Mehmood, Shengquan Xu, **Ikram Ilahi**, Shabir Ahmed (2017). Study on the oriental mole cricket, *Gryllotalpa orientalis* (orthoptera: gryllotalpidae: gryllotalpinae). *International Journal of Advanced Research*. 5(4).
42. **Ikram Ilahi (Principal author)** and Muhammad Suleman (2013). Species Composition and Relative Abundance of Mosquitoes in Swat, Pakistan. *International Journal of Innovation and Applied Studies*. Vol. 2 No. 4, pp. 454-463.

43. Newsheen T., Ali Shah SW., Hazrat A., Rahim G., Khaliq A., **Ilahi I (Coauthor)**, Rahim A., Zaman S., Nawaz M.A., Pervez S., Ahmad Z., Ibrar M., Bibi S., Zada J., Khan AH., Romman M. and Begum A., (2020). Phytochemical, antioxidant, and antibacterial screening of Artemisia Absinthium from Dir Lower Pakistan. BIOSCIENCE RESEARCH, 17(4): 2233-2241.
44. Hazrat A, Gul R, Abdul K, Abdur R, **Ikram I (coauthor)**, Muhammad AN, Mohammad N, (2020). Medicinal value and Taxonomic survey of Boraginaceae of Dir Kohistan, Pakistan. Bioscience Research,17(3): 1996-1999.
45. Rafiullah P, Hazrat A, Hussain F, Rahim G, Rahim A, **Ilahi I (coauthor)**, Khan W, Ahmad Z, Fazal Z, Shah H, Jan T and Nawaz MA (2020). Biological activities of some selected medicinal plants of Agra valley district Malak and, Pakistan. Bioscience research 17(3): 1807-1821.
46. Hazrat A, Gul R, Abdul K, Abdur R, **Ikram I (coauthor)**, Muhammad AN, Mohammad N, (2020). Medicinal value and Taxonomic survey of Boraginaceae of Dir Kohistan, Pakistan. Bioscience Research,17(3): 1996-1999.

### **Projects**

1. Achieved and completed a project of PK 2 million from Higher Education Commission of Pakistan for Laboratory strengthening at the Department of Zoology.

### **List of M.Sc./BS research students supervised**

1. Sidra Zaib, Fatima Subhan, Shandana Qayum (M.Sc. 2022). Teratogenic Factors and Congenital Malformation.
2. Hina Gul, Faryal Javed, Ghuncha Wahab (M.Sc. 2022). Effects of Environmental Factors on Male Fertility.
3. Fatima, Huma Mahmood, Sumayya Saeed (M.Sc. 2022). Effect of Bioaccumulation of Heavy Metals on Aquatic and Terrestrial Fauna.
4. Ejaz Ahmad, Naeem Khan, Bashir Ullah (BS. 2022). Effect of Chronic Exposure of Grass Corp (*Ctenopharyngodon Idella*) to a combination of Glyphosate and Nitrate on Different Health parameters.
5. Asma Shad, Sawaira Aziz (BS. 2022). Effect of Chronic Exposure of Grass Corp (*Ctenopharyngodon Idella*) to a combination of Atrazine and Nitrate on Different Health parameters.
6. Maryam Rasool, Sumayya Horain (BS. 2022). Heavy metals accumulation in sediments, water and Odonates of Marshes associated with Stream and River Swat
7. Waqas Ahmad, Saad Ahmad (BS. 2021). Hormone Profile of Diabetic Patients.
8. Muhammad Jebran, Fazal Ullah (BS. 2021). Diabetic mellitus and Hypothalamic Pituitary Adrenal and Thyroid Axis.
9. Muhammad Qassim, Rizwan Ullah (BS. 2021). Genetic and Environmental Causative Factors of Grave' Disease.
10. Asma Rehman, Asma Mushtaq, Hifsa Bibi (BS. 2021). Abnormal Secretion of Hypothalamic Pituitary Gonadal Axis and Associated Complications.
11. Mehnaz Anjum, Anam Sami, Sumaira Rahman (M.Sc. 2021). Effect of Herbicide Glyphosate on Larval Development of *Culex quinquefasciatus*.
12. Shagufta Bibi (M.Sc. 2020). Comparative Larvicidal efficacy of Fresh Juices from Medicinal Plants against Lymphatic Filariasis Vector, *Culex quinquefasciatus*.
13. Fareeha Naz (M.Sc. 2020). Larvicidal activity of Medicinal Plants against *Culex quinquefasciatus* (Say) Mosquito.

14. Humaira Israr, Ghazala Sayed (M.Sc. 2020). Larvicidal activity of Four Medicinal Plants against Lymphatic Filariasis Vector, *Culex quinquefasciatus*.
15. Hira (M.Sc. 2020). Prevalence of COVID-19 Infection in District Malakand, Khyber Pakhtunkhwa, Pakistan.
16. Waqas and Saifullah (2018). Fouzia Sardar, Faozia Bibi and Amia Bibi (2018). Effects of long-term exposure to low concentration of imidacloprid on haematological parameters of Goldfish (*Carassius auratus*)
17. Reema Begum, Sheema Bibi and Hafsa Nawaz (2018). Effects of long-term exposure to low concentration of imidacloprid on biochemical parameters of Goldfish (*Carassius auratus*)
18. Anila Bibi and Hafsa Bibi (2018). Fouzia Sardar, Faozia Bibi and Amia Bibi (2018). Effects of long-term exposure to low concentration of imidacloprid on biochemical parameters of Grass carp (*Ctenopharyngodon idella*).
19. Fouzia Sardar, Faozia Bibi and Amia Bibi (2018). Effects of long-term exposure to low concentration of imidacloprid on haematological parameters of Grass carp (*Ctenopharyngodon idella*)
20. Amir Nawaz Khan and Ihsan Ullah Sani (M.Sc., 2017). Exposure of *Labeo rohita* to n-Hexane extract of *Artemisia scoparia* and its effects on Haematological and Blood biochemical parameters
21. Muhammad Tahir and Abdus Salam (M.Sc., 2017). Exposutre of *Labeo rohita* to Ethyl Acetate extract of *Artemisia maritima* and its effects on Haematological and Blood biochemical parameters
22. Muhammad Saqib and Mahboob Urrahman (M.Sc., 2017). Exposutre of *Labeo rohita* to n-Hexane extract of *Artemisia maritima* and its effects on Haematological and Blood biochemical parameters
23. Maqsood Ul Hassan and Aftab Hassan (M.Sc., 2017). Exposutre of *Labeo rohita* to n-Hexane extract of *Malva sylvestris* and its effects on Haematological and Blood biochemical parameters
24. Manaris Khan (M.Sc., 2017). Exposutre of *Labeo rohita* to n-Hexane extract of *Cymbopogon citratus* and its effects on Haematological and Blood biochemical parameters
25. Nida Zafar, Shumaila Sultan and Humaira Jaffar (M.Sc., 2017). Effect of Ethyl acetate extract of *Artemisia maritima* on biochemical and haematological parameters of Rabbits
26. Sohni Bakhtawar, Kiran Rehman and Ujala Rehman (M.Sc., 2017). Effect of n-Hexane extract of *Artemisia maritima* on biochemical and haematological parameters of Rabbits
27. Saima Najeeb, Maria Israr and Gulaly (M.Sc., 2017). Effect of n-Hexane extract of *Cymbopogon citratus* on biochemical and haematological parameters of Rabbits
28. Hefa Sayed & Habiba Amin (BS, 2017). Larvicidal and Pupicidal activities of n-Hexane fraction of methanol extract of *Artemisia maritima* whole plant against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
29. Mehnaz Bibi & Robi Shad (BS, 2017). Larvicidal and Pupicidal activities of n-Hexane fraction of methanol extract of *Cymbopogon citrus* whole plant against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
30. Musrat Bibi & Faiza (BS, 2017). Larvicidal and Pupicidal activities of n-Hexane fraction of methanol extract of *Artemisia maritima* whole plant against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
31. Sunbul Jabeen Siddiqi & Sunbal Zaman (BS, 2017). Larvicidal and Pupicidal activities of n-Hexane fraction of methanol extract of *Artemisia scoporia* (Waldst.et Kit.) whole plant against *Culex quinquefasciatus* Say. (Diptera: Culicidae)



32. Shagufta Begum (M.Sc, 2016). Larvicidal and pupicidal activities of Ethyl acetate fraction of *Ocimum bacilicum* (L) whole plant methanolic extract of *Artemesia vulgaris* (L.) leaves against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
33. Nida Akbar and Urooj Malik (M.Sc, 2016). Larvicidal and pupicidal activities of *Callistemon citrinus* leaves methanol extract and its n-Hexane fraction against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
34. Robi Naz and Madiha (M.Sc, 2016). Larvicidal and pupicidal activities of n-Hexane fraction of *Ocimum bacilicum* (L) whole plant methanolic extract of *Artemesia vulgaris* (L.) leaves against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
35. Lubna Naz Begum (M.Sc: 2016). Larvicidal and pupicidal activities of Chloroform fractions of *Callistemon citrinus* leaves methanolic extract leaves against *Culex quinquefasciatus* (Say.) (Diptera: Culicidae)
36. Nargis Salim M.Sc: 2016). Larvicidal and pupicidal activities of Chloroform fractions of *Callistemon citrinus* leaves methanolic extract leaves against *Culex quinquefasciatus* (Say.) (Diptera: Culicidae)
37. Asma Amin and Razia Begum (BS: 2016). Larvicidal and pupicidal activities of Chloroform fractions of methanolic extract of *Artemesia vulgaris* (L.) leaves against *Culex quinquefasciatus* Say.
38. Sara Wahab and Maryam Hidayatullah (BS: 2016). Larvicidal and pupicidal activities of n-Hexane fraction of methanolic extract of *Artemesia vulgaris* (L.) leaves against *Culex quinquefasciatus* Say.
39. Wasim Akram (M.Sc: 2016). Larvicidal activity of *Melia azedarch* (L.) fruit methanol extract and its n-hexane, Ethyl acetate and Chloroform fractions against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
40. Arshad Mehmood and Mohammad Javid Khan (M.Sc, 2015). Larvicidal activity of non-polar solvent extracts of *Melia azedarch* Linn. Leaves against a mosquito, *Armigere subalbatus* (Coquillett)
41. Sadia Wahab and Sobia Bibi (M.Sc, 2015). Effects of Methanol extract of *Ferula jaescheana* (Vatkae) rhizome on serum glucose and lipid profile of normal rabbits
42. Kausar Bibi and Ghazala Banu (M.Sc, 2015). The effects of water decoction of *Ajuga bracteosa* (Wall ex Benth) whole plant and *Berberis lycium* (Royale) roots on blood glucose level of glucose induced hyperglycemic and normal rabbits
43. Hafsa and Saima Bibi (M.Sc, 2015). Effects of Methanol extract of *Ferula jaescheana* (Vatkae) rhizome on some liver and kidney related serum parameters of normal rabbits
44. Azra Bibi, Fatima Khan and Bushra wahab (M.Sc, 2015). The effects of *Momordica charantia* (Linn.) and *Eriobotrya* (Thumb) water decoction on blood glucose level of glucose induced hyperglycemic and normal rabbits
45. Nazia and aisha Iqbal (BS: 2015). Larvicidal activity of *Artesia vulgaris* (lin.) leaves against *Cx. quinquefasciatus* Say. (Diptera: Culicidae)
46. Ubaidullah and Zulfiqar Ali (BS: 2015). Larvicidal activity of non-polar solvent extract of *Artesia vulgaris* (lin.) leaves against *Cx. quinquefasciatus* Say. (Diptera: Culicidae)
47. Sumaya Gul and Tahzeeb Begum (BS: 2015). Larvicidal activity of fresh juices of different plants against *Cx. quinquefasciatus* Say. (Diptera: Culicidae)
48. Halimullah and Shah Wahid (M.Sc: 2015). Larvicidal activity of *Tagetes minuta* (lin.) leaves non-polar solvent extract against *Armigere subalbatus* (Coquillett) (Diptera: Culicidae)
49. Hina Gul and Sunmab Ghani (M.Sc: 2015). Larvicidal and Pupicidal activities of *Tagetes minuta* (lin.) leaves non-polar solvent extract against *Armigere subalbatus* (Coquillett) (Diptera: Culicidae)
50. Ajmal Khan and Tawseef Khan (BS: 2015). Larvicidal activity of *Tagetes minuta* (lin.) leaves non-polar solvent extract against *Cx. quinquefasciatus* Say. (Diptera: Culicidae)

51. Saima Jamal, Anwar Sultana, Huma Zaffar, 2014. Effects of methanol extract of *Pistacia integerrima* (Stew) fruits on some liver related enzymes and haematological parameters of paracetamol intoxicated rabbits
52. Nadim Ullah, Essa Khan, Zubair Shah, 2014. Effects of methanol extract of *Punica granatum* (Linn) fruit peel on some liver related enzymes and haematological parameters of paracetamol intoxicated rabbits
53. Irfanullah, Akhtar Hussain, Fawad Khan, 2014. Effects of Methanol Extract of *Punica granatum* (Linn) Fruit on some Kidney related and Haematological Parameters of Paracetamol Intoxicated Rabbits
54. Shela Rani, Aiman, 2014. Effects of Methanol Extract of *Pistacia integerrima* (Stew) Fruit on some Kidneyrelated and Haematological Parameters of Paracetamol Intoxicated Rabbits
55. Dawood Ali, 2013. Total phenolic contents and in vitro antioxidant activities of various extracts of rhizome part of *Poenia emodi* (Wall).
56. Liaqat Zeb, 2013. The hepatoprotective effects of various extracts of *Poenia emodi* (Wall) in mice with paracetamol induced hepatotoxicity
57. Farman Ullah, 2012. Larvicidal Activities of Different Parts of *Artemisia vulgaris* Linn. Against *Culex quinquefasciatus* Say. (Diptera:Culicidae)
58. Ijaz Ahmad, 2012. Effects of Two Novel Chiral Thiourea Compounds on some Biochemical Parameters of Normal Rabbits
59. Bashir Ahmad, 2012. Effects of a novel Chiral Thiourea Compound on Some Biochemical Parameters of Normal Rabbits
60. Nageena Ferdous, 2012. Role of Kisspeptin in the Control of Biological Functions: Lessons from Mammalian and Non-mammalian vertebrates.
61. Romana Ayaz, 2012. The Role of Gonadotrophin Releasing Hormones (GnRHs) in the Control of Biological Functions in Mammalian and Non-Mammalian Vertebrates
62. Samina Samer, 2011. In Vitro Antioxidant Activities of *Pentanema vestitum* (L), *Pistacia integerrima* (S), *Withian sominifera* (D) and *Withiana coagulans* (D)
63. Hajira Bibi, 2011. The Effect of *Pentanema vestitum* (Linn) on Blood Glucose Level of Glucose Induced Hyperglycemic and Normal Rabbits.
64. Mehbood Ali, 2011. Effects of Stone Dust Exposure on the Liver and Kidney Function Markers of Stone Crush Plant Workers.
65. Imran Khan, 2011. Comparative study of Larvicidal Activities of Different Parts of *Melia azedarach* Linn. Against *Culex quinquefasciatus* Say. (Diptera: Culicidae)
66. Hanif-Ur-Rahman, 2011. The Effect of *Withiana sominifera* (D) on Blood Glucose Level of Glucose Induced Hyperglycemic and Normal Rabbits.
67. Ubaidullah, 2011. The Effect of *Pistacia integerrima* Stew. on Blood Glucose Level of Glucose Induced Hyperglycemic and Normal Rabbits.
68. Shujat Ali, 2011. Beneficial Effects of *Pentanema vestitum* (Linn). on Serum Glucose and Lipid Profile of Alloxan Induced Diabetic Rabbits.
69. Ali Asghar, 2011. Effects of *Pentanema vestitum* (Linn). on the Liver and Kidney Function Markers of Alloxan induced Diabetic Rabbits.
70. Asghar Khan, 2011. The Effect of *Withiana coagulans* (D) on Blood Glucose Level of Glucose Induced Hyperglycemic and Normal Rabbits.
71. Izhar Ahmad, 2010. Effects of Fractions of *Melia azedarach* Linn. Berries on Biochemical Parameters of Normal rabbits.
72. Muhammad Imran, 2010. Effects of Organic Solvent Fractions of *Melia azedarach* Linn. Berries on Some Biochemical Parameters of Normal Rabbits.

### **Seminars / Symposia attended**

- Participated in an International Conferences & Workshop on Dengue infection in Pakistan and its Controlling Strategies (17- 18 December 2020), Department of Animal Sciences, Quaid-I-Azam University, Islamabad, Pakistan.
- Participated as member of organizing committee in *National Symposium on Current Trends in Cellular, Medical and Environmental Physiology* (May 17<sup>th</sup> to 19<sup>th</sup>, 2010) organized by Animal and Human Physiology Laboratory, Department of Animal Sciences, Quaid-I-Azam University, Islamabad.
- Participated in the 1<sup>st</sup> National Symposium on *Old Plants New Remedies* (9<sup>th</sup> to 10<sup>th</sup> June, 2008) organized by Department of Pharmacy, University of Malakand in collaboration with H.E.C. Islamabad.
- Participated as member of organizing committee in 1st International Symposium on Biotechnology: Current Trends (2-4 July, 2008) organized by Department of Biotechnology University of Malakand, sponsored by H.E.C. Pakistan.
- Participated as member of organizing committee in 1st National Symposium on Biotechnology: Recent Advances (21-24 May, 2007) organized by Department of Biotechnology University of Malakand, sponsored by H.E.C. Pakistan.

**Scholarship /Award:** Earned the award of scholarship at M. Sc level for the academic session 1997-99 under the auspices of “President’ Talent Farming Scheme” on the basis of competition.

**Subjects studied in B.Sc.:** Chemistry, Botany and Zoology

**F. Sc:** English, Physics, Chemistry, Biology

**SSC:** English, Mathematics, Physics, Chemistry and Biology

**Co-curricular Activities during Academic carrier**

- Remained member of Environmental Protection Society (EPS) Swat during 1996-2001.
- Received Civil Defense training during 1996 in the camp held at Boy Scouts Training Centre, Ghora Gali, Murree.
- Received camp training during 1993 at Swat.
- Received National Cadet Corps (NCC) training during 1992-1994.