

DR. ABIR ISHTIAQ

(HEC Approved Supervisor)

Lecturer (BPS-18)

Department of Zoology
The Islamia University of Bahawalpur
(Bahawalnagar Campus)



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PERSONAL INFORMATIONS

Name:	Dr. Abir Ishtiaq
Father's Name:	Muhammad Ishtiaq
Date of Birth:	October 23, 1985
CNIC#:	36302-4258221-5
Passport#:	EW1842212
Religion:	Islam
Nationality:	Pakistani
Domicile:	Punjab (Multan)
Marital Status:	Married
Permanent Address:	House No. CB-283, Qasim Bela, Multan, Pakistan.
Office Address:	Department of Zoology, The Islamia University of Bahawalpur, Bahawalnagar Campus, Bahawalnagar

QUALIFICATION

- **Matric. (Science)**
F.G. Boys High School No.1, Multan Cantt. (2001)
- **F. Sc. (Pre-Medical)**
Govt. Emerson College, Multan. (2003)
- **B. Sc. (Botany, Chemistry, Zoology)**
Govt. Emerson College, Multan. (2006)
- **M. Sc. (Zoology)**
Bahauddin Zakariya University, Multan. (2008)
- **M. Phil. (Zoology)**
Bahauddin Zakariya University, Multan. (2010)
- **Ph.D. (Zoology)**
Bahauddin Zakariya University, Multan. (2019)
- **B. Ed. (Biology, Chemistry)**
Allama Iqbal Open University, Islamabad. (2010)
- **M. Ed. (Science Education)**
Allama Iqbal Open University, Islamabad. (2013)

DIPLOMA/COURSES

- **Post Graduate Diploma (Information Technology)**
Govt. College of Science, Multan. (2007)

PROFESSIONAL EXPERIENCE

➤ **Lecturer (BPS-18)**

Department of Zoology

The Islamia University of Bahawalpur, Bahawalnagar Campus.

From 11-04-2022 to date

Responsibilities:

Teaching:

- BS Zoology
 - (Chordates, Wildlife Management, Aquaculture, Animal Form and Function-I, Animal Ecology)
- MS Zoology
 - (Advanced Economic Zoology, Teaching Practices in Zoology, Ichthyology)

Research:

- No. of MS/MPhil Students Supervising: 15
- No. of BS/PhD Students Supervised: 00

Management:

- Incharge Examinations, Department of Zoology, IUB-Bahawalnagar Campus.
- Incharge Scholarships, Department of Zoology, IUB-Bahawalnagar Campus.
- Advisor “IUB BWN Campus Environment Protection Society”, IUB-Bahawalnagar Campus.
- MPhil Coordinator, Department of Zoology, IUB-Bahawalnagar Campus.

➤ **Part-time Teacher**

Institute of Pure and Applied Biology,

Bahauddin Zakariya University, Multan

- **Animal Diversity: Invertebrates (MZF-101)**
M.Sc. Zoology, 1st Semester (Session 2016-18) w.e.f. 24-10-2016 to 03-02-2017
- **Aquaculture & Fisheries (BSZE-802)**
B.S. Zoology, 8th Semester (Session 2013-17) w.e.f. 23-01-2017 to 22-05-2017
- **Principles of Animal Life-I (BSBG-101)**
B.S. Botany, Semester 1st (Session 2017-2021) w.e.f. 30-10-2017 to 23-02-2018
- **Animal Diversity: Invertebrates (BSBG-301)**
BS Botany, Semester 3rd, Session 2016-20) w.e.f. 16-10-2017 to 23-02-2018
- **Principles of Animal Life II (BSBG-201)**
BS Botany 2nd Semester, Session (2017-21) w.e.f. 12-03-2018 to 26-09-2018
- **Animal Form and Function I (BSBG-402)**
BS (4 Year) Botany 4th Semester Session (2016-20) w.e.f. 12-03-2018 to 26-09-2018
- **Principles of Animal Life-I (BSZF-101)**
B.S. Zoology, Semester 1st (Session 2018-2022) w.e.f. 22-10-2018 to 15-02-19
- **Animal Diversity: Invertebrates (BSZF-301)**
BS Zoology, Semester 3rd, Session 2017-21) w.e.f. 22-10-2018 to 15-02-19
- **Principles of Animal Life II (BSZF-201)**
BS Zoology, 2nd Semester, Session (2018-22) w.e.f. 04-03-2019 to 14-06-19
- **Animal Form and Function I (BSZF-402)**
BS Zoology, 4th Semester, Session (2017-21) w.e.f. 04-03-2019 to 14-06-19
- **Animal Diversity: Invertebrates (BSZF-301)**
BS Zoology, Semester 3rd, Session 2018-22) w.e.f. 02-09-2019 to 06-01-2020
- **Principles of Animal Life-I (BSZF-101)**
B.S. Zoology, Semester 1st (Session 2019-2023) w.e.f. 21-10-2019 to 15-02-2020

➤ **Part-time Teacher (Visiting Lecturer)**

City College of Science & Commerce Multan (Iqbal/University Campus)

- **Fish Physiology and Breeding**
MSc (Zoology), Part-II, Session 2019-21, w.e.f. 20-05-2021 to 01-04-2022.
- **Diversity of Vertebrates & Paleontology**
MSc (Zoology), Part-I, Session 2020-22, w.e.f. 22-04-2021 to 01-04-2022.

➤ **Secondary School Teacher (SST) Science (BPS-16)**

Punjab Education Department
From 07-08-2015 to 09-04-2022

➤ **Secondary School Educator (SSE) Biology/ Chemistry (BPS-16)**

Punjab Education Department
From 02-04-2012 to 06-08-2015

➤ **Matric Trained Teacher (BPS-09)**

Directorate FGEL, Rawalpindi Cantt.
From 10-01-2011 to 01-04-2012 (01 year, 02 months, 22 days)

INTERNSHIP EXPERIENCE

➤ **Internee**

District Office Fisheries, Multan
Under National Internship Program (NIP)
From 17-05-2010 to 09-01-2011 (7 Months, 23 days)

M.Phil. THESIS TITLE

- **Ishtiaq, A.**, 2010. To study the length-weight relationship, proximate composition and toxic metal of wild *Mystus bleekeri* in relation to body size and condition factor from Sialkot, Pakistan. M.Phil. Thesis, Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan.

Ph.D. THESIS TITLE

- **Ishtiaq, A.**, 2019. Effect of varying dietary protein levels on growth performance, proximate and elemental composition of Thaila (*Catla catla*) under polyculture system from southern Punjab, Pakistan. PhD. Thesis, Bahauddin Zakariya University, Multan, Pakistan.
<http://prh.hec.gov.pk/jspui/handle/123456789/12265> (ISSN: 19320)

REVIEWER OF JOURNALS

- Egyptian Journal of Veterinary Sciences
➤ Brazilian Journal of Biology

TRAININGS ATTENDED

➤ **Pre-Service Induction Training of SSEs (Chemistry & Biology)**

at Govt. College for Elementary Teachers, Bosan Road, Multan
under Directorate of Staff Development Punjab, Lahore
from 05-31 March, 2012

➤ **Fish Farm & Venture Management**

at Central Cotton Research Institute, Multan
organized by Fisheries Development Board, Islamabad
with the facilitation of Institute of Continuing Education & Extension and Faculty of Fisheries & Wildlife, UVAS Lahore
from 05-19 August, 2014

➤ **1st Pedagogical Training 2022**

Organized by The Department of Education, The Islamia University of Bahawalpur.
July-August 2022

MEMBER OF COMMITTEES AT BISE MULTAN

- Remained Member of Committee for the preparation of Feedback on “Revise Scheme of Studies” at Board of Intermediate and Secondary Education, Multan.
- Remained Member of Committee for Preparation of “Accelerated Learning Programme” (Short Syllabus) for the subject of “Food and Nutrition” for SSC, at Board of Intermediate and Secondary Education, Multan.

SEMINARS, CONFERENCES, SYMPOSIUMS AND WORKSHOPS ATTENDED

1. **Fish Nutrition, Feeds and Feeding**
at Ramada Hotel, Multan, funded by USDA and WISH and collaboration with Kansas State University and SOYPAK, held on 21-06-2012.
2. **Tilapia and Carps Farm Management**
Held at Ramada Hotel, Multan collaboration with FDB, SOYPAK, WISHH, ASA and Kansas State University, **held on 21-06-2012.**
3. **Biodiversity Offsetting for Reservoir Fisheries**
At Chashma Lake, District Mianwali, held on 02-04-2015.
4. **Culture and Breeding of American Channel catfish (*Ictalurus punctatus*)**
Three days training workshop, **held at NARC Islamabad, on 31st May – 2nd June, 2016.**
5. **6th International Fisheries Symposium & Expo-2017**
held at Faletti’s Hotel, Lahore, on 08-09 February 2017.
6. **International Fisheries & Aquaculture Conference & Expo-2019**
held at Faletti’s Hotel, Lahore, on 30-31 January 2019.
7. **Laboratory Diagnosis of Tuberculosis**
One day seminar, held on 25th January 2017 at Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan, conducted by the Aga Khan University
8. **Awareness of Breast Cancer**
One day seminar, held on 17th October 2017 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan.
9. **Importance of Wetland in Wildlife**
One day seminar held on 30th October 2017 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan.
10. **Preparation and Processing of Aqua Feed**
One day seminar held on 14th December 2017 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan.
11. **Professional Development in Fisheries**
One day seminar held on 27 December 2017 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan.
12. **Hepatitis Awareness and Screening**
One day seminar held on 17 September 2018 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan
13. **Fresh Water Eel Culture**
One day seminar held on 16 November 2018 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan
14. **Rearing Techniques of Freshwater Fish *Rita rita* in Cemented Cisterns**
One day seminar held on 17 November 2018 in Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan.
15. **Symposium on World Fisheries Day 2022**
One day symposium held on 21st November 2022 at Quaid-i-Azam University Islamabad in collaboration with IUCN.
16. **International Fisheries & Aquaculture Conference-2023**
Organized by University of Punjab Lahore on 8-9 February 2023 at Lahore, Pakistan.

VIRTUAL SEMINARS AND WORKSHOPS ATTENDED

17. **Elsevier-HEC Workshop on Journal indexing in Scopus** (Online)
at Higher Education Commission of Pakistan, on Thursday 21 January, 2021.
18. **Virtual Edu Day Pakistan** (Online)
by Microsoft on 18th March 2021
19. ***Listeria monocytogenes* from the detection to deep typing: present and new perspectives**
International e-conferences held on July 07, 2021, organized by Cholistan University of Veterinary and Animal Sciences is a public university located in Bahawalpur
20. **Navigating your research journey and publishing in high impact journal**
Attended research online workshop on April 02, 2022, organized by Air University Multan Campus.

ORGANIZING COMMITTEE MEMBER

- Organized Blood Camp held by Regional Blood Center Multan at Institute of Pure and Applied Biology, BZU Multan on September 18, 2018.

GENBANK NUCLEOTIDE SEQUENCE PUBLISHED

- Bibi, A., Ishtiaq, T., Hassan, S., **Ishtiaq, A.** and Naeem, M., 2020. *Labeo gonius* voucher Muhammad Naeem 123 Pakistan cytochrome c oxidase subunit I (COX1) gene, partial cds; mitochondrial. GenBank: MT920670.1. (405 bp). <https://www.ncbi.nlm.nih.gov/nuccore/1896171391>
<https://www.ncbi.nlm.nih.gov/nuccore/MT920670.1>

INTERNATIONAL RESEARCH PUBLICATIONS

1. Naeem, M., Salam, A., Gillani, Q. and **Ishtiaq, A.**, 2010. Length-weight relationships of *Notopterus notopterus* and introduced *Oreochromis niloticus* from the Indus River, southern Punjab, Pakistan. *Journal of Applied Ichthyology*, 26(4): 620-620. doi: 10.1111/j.1439-0426.2010.01480.x [**Impact factor = 1.222**]
2. Naeem, M., Salam, A. and **Ishtiaq, A.** 2011. Length-weight relationships of wild and farmed *Tor putitora* from Pakistan. *Journal of Applied Ichthyology*, 27(4):1133-1134. doi: 10.1111/j.1439-0426.2010.01613.x. July 20, 2011. [**Impact factor = 1.222**]
3. Naeem, M., Rasul, A., Salam, A., Iqbal, S., **Ishtiaq, A.** and Athar, M., 2011. Proximate analysis of female population of wild featherback fish (*Notopterus notopterus*) in relation to body size and condition factor, *African Journal of Biotechnology*, 10(19): 3867-3871. [**Impact factor = 0.573**]
4. Naeem, M., Salam, A., Ashraf, M., Khalid, M. and **Ishtiaq, A.**, 2011. External morphometric study of hatchery reared mahseer (*Tor putitora*) in relation to body size and condition factor, *African Journal of Biotechnology*, 10 (36): 7071-7077. [**Impact factor = 0.573**]
5. Naeem, M., **Ishtiaq, A.**, 2011. Proximate composition of *Mystus bleekeri* in relation to body size and condition factor from Nala Daik, Sialkot, Pakistan. *African Journal of Biotechnology*, 10(52): 10765-10773. [**Impact factor = 0.573**]
6. Naeem, M., Zuberi, A., Salam, A., Ashraf, M., Elahi, N., Ali, M., **Ishtiaq, A.**, Malik, T., Khan, M.J., Ayaz, M.M., Iqbal, M.J. and Ahmad, B., 2011. Induced spawning, fecundity, fertilization rate and hatching rate of Grass carp (*Ctenopharyngodon idella*) by using a single intramuscular injection of ovaprim-C at a fish hatchery Faisalabad, Pakistan. *African Journal of Biotechnology*, 10(53): 11048-11053. [**Impact factor = 0.573**]

7. Naeem, M., Salam, A., Khokhar, M.Y., Nasir, M.F., Nouman, M.F., **Ishtiaq, A.** and Allah-Yar, R. 2011. Evaluation of metal contents in female *Oreochromis niloticus* with emphasis on potential risk of consumption and relation to some biological aspects, *African Journal of Biotechnology*, 10(53): 11054-11057. [**Impact factor = 0.573**]
8. Naeem M., Salam, A., Ali, M., Mehreen, M., Ali, M., Khan, M.J., Ayaz, M.M., **Ishtiaq, A.** and Zuberi, A. 2011. Breeding performance of sustainable fish *Ctenopharyngodon idella* through single intramuscular injection of Ovaprim-C at Bahawalpur, Pakistan, *African Journal of Biotechnology*, 10(57): 12315-12318. [**Impact factor = 0.573**]
9. Naeem, M., Zuberi, A., Salam, A., Ali, M., Riaz-ul-Haq, M., Khalid, M., Mehreen, M., Nasir, M.F., Rasool, S.A. and **Ishtiaq, A.**, 2011. Some morphometric relationships of hatchery reared male population of *Oreochromis mossambicus* from Pakistan, *African Journal of Biotechnology*, 10(75): 17362-17366. [**Impact factor = 0.573**]
10. Pervaiz, K. Iqbal, Z., Mirza, M.R., Javed, M.N., Naeem M. and **Ishtiaq, A.** 2012. Length-weight and length-length relationships for wild Indus Mahseer, *Tor macrolepis*, from Attock, Pakistan, *Journal of Applied Ichthyology*, 28 (4): 673-676. [**Impact factor = 1.222**]
11. Naeem, M., Zuberi, A., Hasan, Z., Salam, A., Khalid, M., Khan, M.J., Ayaz, M.M., Ashraf, M., Nasir, M.F., Rasool, S.A., Aziz, M. and **Ishtiaq, A.**, 2012. Length-weight and length-length relationships of freshwater wild catfish *Mystus bleekeri* from Nala Daik, Sialkot, Pakistan. *African Journal of Biotechnology*, 11(50): 11168-11172. <http://dx.doi.org/10.5897/AJB12.958>.
12. Naeem, M., Zuberi, A., Ashraf, M., Ahmad, W., **Ishtiaq, A.** and Najam-ul-Hasan, 2013. Induced breeding of *Labeo rohita* through single application of ovaprim-C at Faisalabad Hatchery, Pakistan. *African Journal of Biotechnology*, 12(19): 2722-2726.
13. Naeem, M., Abidi, S.Z.A., Khan, M., **Ishtiaq, A.** and Naeem, Z., 2017. Length–weight, length-length and condition factor relationships of *Labeo gonius* (Hamilton) from Taunsa Barrage, River Indus, Pakistan. *International Journal of Fisheries and Aquatic Studies*, 5(2): 15-19.
14. Naeem, M., **Ishtiaq, A.** and Naz, S., 2017. Influence of dietary protein on proximate composition of Mori, *Cirrhinus mrigala* (Hamilton). *Matrix Science Pharma*, 1(2): 1-5.
15. Noonari, A.S., Naeem, M., Salam, A., Ali, M., **Ishtiaq, A.** and Naeem, A.D., 2020. Effect of bilateral ovarian massage on post-partum anoestrus interval in cross bred (Holstein Friesian x Sahiwal) dairy cows. *Indian Journal of Animal Research*, 54(1): 20-23. doi: 10.18805/ijar.B- 892. [**Impact Factor=0.427**]
16. Khan, M.S., Hayat, S., **Ishtiaq, A.**, Malik, A., Akhtar, M., Ali, Q. 2020. Length-Weight relationships of *Cyprinus carpio* from the Indus River at Chashma Lake, District Mianwali, Punjab, Pakistan. *Journal of Wildlife and Biodiversity*, 4(4):72-80. doi: 10.22120/jwb.2020.121663.1119. http://jwb.araku.ac.ir/article_43156.html (ISSN 2588- 3526)
17. Khalid, M., Naeem, M., Azam, S.M., Ahmad, N., Kausar, S., Faiz, M., Mustafa, G., **Ishtiaq, A.**, Asad, M., Khakwani, A.Z., Rehman, S., Irshad, S., Riaz, P., Rehman, N., Hassan, S., Tahir, A.A. and Khursheed, Z., 2023. Morphometric Analysis of Different Parameters for *Labeo boga* from Head Panjnad, Alipur, Punjab, Pakistan. *Egyptian Journal of Aquatic Biology and Fisheries*, 27(2): 35-42. DOI: [10.21608/EJABF.2023.289216](https://doi.org/10.21608/EJABF.2023.289216)
18. Ahmad, N., Hussain, S. M., Azam, S. M., Shahzad, M. M., Noureend, A., Yaqoob R., Lateef M., Yawer, A., Riaz, D., Usman, A., Faizang, M., Hassan, S., **Ishtiaq, A.**, Riaz, P., Ali A., Amin, F., Imran M., Kausark, R., Ahmed, M., Bashirm, W., Adnan, M., Siddique, A., Farooq, M. and Ahmad, S., 2021. Effects of Se nanoparticles supplementation on growth performance, hematological parameters and nutrient digestibility of *Labeo rohita* fingerling fed sunflower meal based diet. *Brazilian Journal of Biology*, 2024, 84, e253555. <https://doi.org/10.1590/1519-6984.253555>. (ISSN 1519-6984) Online 30-12-2021. [**Impact Factor=1.651; X-Category**]

19. Hussain, A., Nasir, M. F., Ali, K., **Ishtiaq, A.**, Haider, Z., Ashraf, A., Ashfaq, H., Aiman, U. 2023. Prevalence Of Mentally Retarded Syndrome and It's Genetically Variation Among the Children of District Vehari Punjab Pakistan. *Journal of Survey in Fisheries Sciences*, 10(1): 785-791.

RESEARCH PUBLICATIONS IN JOURNALS OF NATIONAL REPUTE

20. Naeem, M., Salam, A., **Ishtiaq, A.** and Shafique, S., 2010. Length- weight and condition factor relationship of farmed hybrid (*Catla catla* ♂ x *Labeo rohita* ♀) from Multan, Pakistan. *Sindh University Research Journal (Science Series)*, 42 (2): 35-38. **(HEC Recognised Y- Category)**.
21. Naeem, M., Salam, A., Elahi, N., Ali, M., **Ishtiaq, A.** and Andleeb, A., 2011. Effect of Body Weight on Absolute and Relative Fecundity of *Hypophthalmichthys molitrix* with Intramuscular Injection of Ovaprim – C. *International Journal of Agriculture and Biology*, 13(1): 141-144. **[Impact factor (2010)=0.940] (HEC Recognised Y-Category)**
22. Naeem, M., Salam, A., Narejo, N. T., Khokhar, M.Y., Yar, R.A., **Ishtiaq, A.**, 2012. Heavy Metal Detection in *Mystus Bleekeri* as Bioindicator and Potential Risk of Human Health. *Sindh University Research Journal (Science Series)*, 44 (2): 189-194. **(HEC Recognised Y-Category)**
23. Naeem, M., Narejo, N. T., Salam, A., Rasool, S. A., Khalid, M. and **Ishtiaq, A.**, 2015. Length- Weight Relationships of Juvenile *Pangasius* with Special Reference to Body Size and Condition Factor. *Sindh University Research Journal (Science Series)*, 47(3): 523-526. **(HEC Recognised Y-Category)**
24. **Ishtiaq, A.** and Naeem, M., 2016. Length-weight relationships and condition factor for farmed *Catla catla* (Hamilton, 1822) from southern Punjab, Pakistan. *Punjab University Journal of Zoology*, 31 (2): 209-214. **(HEC Recognised Y-Category)**
25. **Ishtiaq, A.** and Naeem, M., 2019. Effect of Dietary Protein Levels on Body Composition of *Catla catla* from Pakistan. *Sindh University Research Journal (Science Series)*, 51 (2): 309-318. **(HEC Recognised Y-Category)**
26. **Ishtiaq, A.** and Naeem, M., 2019. Effects of different dietary protein levels on growth performance of *Catla catla* (Hamilton) reared under polyculture system. *Sarhad Journal of Agriculture*, 35(3): 976-984. **(HEC Recognised Y-Category)**
27. Khalid, M., Naeem, M., Masud, S., **Ishtiaq, A.** and Hassan, S., 2019. Evaluation of some essential and toxic metals in farmed *Ctenopharyngodon idella* in relation to body size and condition factor. *Sindh University Research Journal (Science Series)*, 51(04): 721-728. **(HEC Recognised Y-Category)**
28. Iqbal, R., Naeem, M., Masud, S. and **Ishtiaq, A.**, 2020. Effect of graded dietary protein levels on body composition parameters of hybrid (*Labeo rohita* ♀ and *Catla catla* ♂) from Pakistan. *Sarhad Journal of Agriculture*. 36(2): 548-558. **(HEC Recognised Y-Category)**
29. Khalid, M., Masud, S., Naeem, Z., Shahid, M.M., Naeem, A.D., **Ishtiaq, A.** and Naeem, M.. 2020. Length-weight and length-length relationships of farmed *Catla catla* during winter season from Muzaffargarh, Pakistan. *Sarhad Journal of Agriculture*. 36(3): 924-928. **(HEC Recognised Y-Category)**
30. **Ishtiaq, A.**, Masud, S., Naeem, Z., Naeem, A.D., Ishtiaq, T., Naeem, M., 2021. Length–weight and length-length relationships of a silurid catfish, *Ompok bimaculatus* from Chenab River, Multan, Pakistan. *Sindh University Research Journal (Science Series)*, 53(01): 19-24. **(HEC Recognised Y-Category)**
31. Khalid, M., Abdullah, S.M., Azam, S.M., Imran, M., Saif-ur-Rehman, Faizan, M., Ali, A., Mustafa, G., Hassan, S., **Ishtiaq, A.**, Iqbal, J., Ahmad, M., 2021. Study on Ischemic Heart Disease in Southern Punjab, Pakistan. *Pakistan Journal of Medical & Health Sciences*. 15(4): 1482- 1484. **(HEC Recognised Y-Category) (ISSN 1996-7195)**

32. Kousar, A., Naeem, M., Masud, S., **Ishtiaq, A.**, Naeem, Z. and Iqbal, R., 2021. Impact of graded levels of dietary protein on elemental concentration of Genetically Improved Farmed Tilapia (GIFT) from Pakistan. *Sarhad Journal of Agriculture*. 37(4): 1156-1166. **(HEC Recognised Y-Category)**
33. Kousar, S., Naeem, M., **Ishtiaq, A.**, Hassan, S. and Naeem, A.D., 2021. Effect of body size on the concentration of two essential macroelements (calcium and magnesium) in wild *Eutropiichthys vacha* from Indus River, Taunsa Barrage, Pakistan. *Sindh University Research Journal (Science Series)*, 53(4): 1-5. **(HEC Recognised Y-Category)**
34. Zafar, I., Naeem, M., **Ishtiaq, A.**, Hassan, S., Naeem, Z. and Naeem, A.D., 2022. Bioaccumulation of two macro-elements (Sodium and Potassium) in relation to body size and condition factor of *Notopterus chitala* from river Indus, Ghazi Ghat, Pakistan. *Sindh Uni. Res. J.*, 54(4): 16-20. <https://doi.org/10.26692/surj-ss.v54i04.4308>

PROCEEDINGS OF INTERNATIONAL CONFERENCES

35. Naeem, M., Salam, A., Baby, R., **Ishtiaq, A.** and Rasool, S. A., 2011. Study of Body Composition of Female Population of Farmed *Oreochromis mossambicus* in relation to Body Size and Condition Factor from Pakistan. *2011 International Conference on Bioscience, Biochemistry and Bioinformatics (ICBBB 2011)*, 26-28, February, 2011, Singapore, pp. 360-363.
36. Naeem, M., Salam, A., Ashraf, M., Baby, R., Ali, M. and **Ishtiaq, A.**, 2011.Length–Weight Relationship of Female Population of Farmed *Oreochromis mossambicus* in Relation to Body Size and Condition Factor from Pakistan, *International Conference on Bioinformatics and Biomedical Engineering*, Amsterdam, The Netherlands, July 13-15, 2011. World Academy of Science, Engineering and Technology 78: 1149-1153.
37. Naeem, M., Salam, A., Ahmad, M.Z., **Ishtiaq A.** and Gillani, Q., 2011. Development of Predictive Equations to Estimate Effect of Body Size and Condition Factor on Whole Body Composition of Sustainable Fish Grass Carp (*Ctenopharyngodon idella*) from Pakistan, *International Conference on Bioinformatics and Biomedical Engineering*, Amsterdam, The Netherlands, July 13-15, 2011, World Academy of Science, Engineering and Technology 78: 1154-1157.
38. Naeem, M., Salam, A., Bashir, M.A, Salam, A. **Ishtiaq, A.** and Gillani, Q. and Salam, A., 2011. Effect of body size and condition factor on whole body composition of Hybrid (*Catla catla* ♂x *Labeo rohita* ♀) From Pakistan, ICANRE 2011 : *International Conference on Agricultural and Natural Resources Engineering, Venice, Italy*, November 28-30, 2011, World Academy of Science, Engineering and Technology, 59: 1804-1807.
39. Naeem, M., Salam, A., Ashraf, M., Imran, M., Ahmad, M., Khan, M.J., Ayaz, M.M., Ali, M., Ali, A., Qayyum, M. and **Ishtiaq, A.**, 2011. Studies on Seasonal Variations of Physico- Chemical Parameters of Fish Farm at Govt. Nursery Unit, Muzaffargarh, Punjab, Pakistan. *Proceedings of World Academy of Sci. Technol.*, 60: 1120-1124.

SUBMITTED RESEARCH PUBLICATION

40. **Ishtiaq, A.** and Naeem, M. Effect of varying dietary protein levels on concentration of some essential and non-essential metals in *Catla catla*, reared under polyculture system. *Pakistan Journal of Agricultural Sciences*. **(Submitted)**
41. **Ishtiaq, A.**, Younas, M., Ishtiaq, T., Ghaffar, A. and Naeem, M., 2023. Relative body size relationship to proximate composition of farmed *Hypophthalmichthys nobilis* from Bahawalnagar, Pakistan, *Sarhad Journal of Agriculture*. **(Submitted)**

M.Phil./MS RESEARCH SUPERVISOR

Sr No.	Name	Roll No.	Title	Status
1	Nusrat Parveen	S21NZOOL3E1004	Comparative proximate composition and morphometry of wild captured and farm cultured <i>Sperata seenghala</i> from Bahawalnagar district, Pakistan	Completed
2	Nadia Parveen	S21NZOOL3E1006	Seasonal effect of monsoon on proximate composition of wild <i>Notopterus notopterus</i> from the River Sutlej, Islam Headworks, Pakistan	Completed
3	Muhammad Husnain Akram	S21NZOOL3E1009	Genotoxic effects of arsenic in mice (<i>Mus musculus</i>): a study through comet assay	Completed
4	Salam Anwar	S21NZOOL3E1011	Effect of carbamazepine on growth, liver enzymes, blood proteins and histopathology of liver and gills of <i>Cirrhinus mrigala</i>	Completed
5	Rehmat	S21NZOOL3E1012	Relative body size relationship to proximate composition of wild <i>Wallago attu</i> during monsoon season from the River Sutlej, Islam Headworks, Pakistan	Completed
6	Muhammad Akif Ayaz	S21NZOOL3E1013	Nephro-hepatic toxicity in albino mice (<i>Mus musculus</i>) intoxicated with arsenic	Completed
7	Maria Younas	S21NZOOL3E01014	Relative body size relationship to proximate composition of farmed <i>Hypophthalmichthys nobilis</i> from Bahawalnagar, Pakistan	Completed
8	Mehmood ul Haq	S21NZOOL3E1017	Comparative analysis of haematological parameters of wild captured and farm cultured <i>Cyprinus carpio</i> in relation to body size from Bahawalnagar, Pakistan	Completed
9	Muhammad Aqeel Ashfaq	S21NZOOL3E1021	Population fluctuation of fruit flies from different host field plants in Bahawalnagar Region Pakistan	Completed
10	Amna Irshad	S21NZOOL3E1022	Comparative efficacy of botanical extracts and insecticides against adult stage of <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae) exposed on different surfaces under laboratory conditions	Completed
11	Shabana Kalsoom	S21NZOOL3E1024	Detection of coliform bacteria in potable water of District Bahawalnagar, Pakistan	Completed
12	Batool Fatima	S21NZOOL3E1026	Effect of body size on haematological parameters of wild and farmed <i>Hypophthalmichthys nobilis</i> from Bahawalnagar, Pakistan	Completed
13	Ghulam Dastgir	S21NZOOL3E1027	Hazardous effects of sodium arsenate on haemato-biochemical parameters of mice (<i>Mus musculus</i>)	Completed
14	Aqsa Choudary	S21NZOOL3E1031	Comparative efficacy of some entomopathogenic fungi against adult stages of red flour beetle, <i>Tribolium castaneum</i> (Herbst) under laboratory conditions	Completed
15	Sidra Khalil	S21NZOOL3E1032	Prevalence of typhoid fever among different socio-demographic groups in District Bahawalnagar, Pakistan	Completed

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REFERENCES

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CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this biodata correctly describes me, my qualifications and experience.

Dr. Abir Ishtiaq