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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.

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*

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)

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>