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| **Amina Zuberi** |
| **Name:****Designation** | Dr. Amina ZuberiProfessor/ Chairperson |  |  |
| **Department:** | Zoology, Faculty of Biological Sciences, |  |  |
| **Specialization:**  | Fisheries and Aquaculture |  |  |
| **Address:**  | Department of Zoology, Faculty of Biological Sciences Quaid-I-Azam University, Islamabad |  |  |
| **Email:**  | amina.zuberi@qau.edu.pk |  |  |
| **Web page** | http://www.qau.edu.pk/profile.php?id=802007 |  |  |
| **Research Gate ID** |  https://www.researchgate.net/profile/Amina\_Zuberi2  |  |  |
| **Phone:**  | +92-51 90643199 (off) |  |  |

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| **Academic Qualifications** |
| **Degree**  | **University**  | **Subjects**  | **Year**  |
| Ph. D. | Quaid-i-Azam University, Islamabad, Pakistan | Biological Sciences | 2003 |
| M. Phil. | Quaid-i-Azam University, Islamabad, Pakistan | Zoology (Animal Physiology) | 1991 |
| M. Sc. | Quaid-i-Azam University, Islamabad, Pakistan | Biological Sciences | 1987 |
| B. Sc. | Punjab University  | Major: Zoology, Botany, & Chemistry | 1985 |
| F.Sc | Federal Board | Physics, Chemistry, Biology | 1983 |

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| **Postdoctoral Fellowship** |
| **Institution**  | **Department**  | **Specialization** | **Period**  |
| Macquarie University, NSW 2109 Australia (Under Endeavor Research Fellowship award 2009) | Department of Biological Sciences | Fish behavior | April 2009 to Sep. 2009 |
| Auburn University, Auburn, USA. (Under Fulbright Scholarship for Post doc) | Department of Fisheries and Allied Aquaculture | Fish genetics/Fish nutrition | 14th Nov. 2006 to 13th Sep. 2007 |

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| **Professional Experience** |
| **Institution**  | **Position Held**  | **Period**  |
| **From**  | **To**  |
| Dept. of Zoology, Quaid-i-Azam University, Islamabad | Chairperson | 3/09/2021 till to date |
| Dept. of Zoology, Quaid-i-Azam University, Islamabad | Professor | 8/03/2021 till to date |
| Dept. of Animal Sciences, Quaid-i-Azam University, Islamabad | Associate Professor, TTS | 8/10/2016 to 08/03/2021 |
| Dept. of Animal Sciences, Quaid-i-Azam University, Islamabad | Assistant Professor, TTS | 15th Sep 2009 to 8/10/2016  |
| University of Education , Township, Lahore | Assistant Professor, BPS | 29th May 2008 to 14th Sep. 2009 |
| Fish seed Hatchery and Research Training center. Department of Fisheries, Punjab | Assistant Director BPS |  24th March 2003 to 28th May 2008 |
| Arid Agriculture University RWP | Visiting faculty member | Mar 2004- July 2004 |
| Fish seed Hatchery & Research Training center RWP | Assistant DirectorFisheries | 8th Dec 1998-24th Mar 2003 |
| Islamabad College for Girls, F-6/2 | Lecturer | 20th Nov 1994- 7th Dec 1998 |
| Research project, Biological Sciences, QAU | Research Officer | April 1990 to Mar 1994 |

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| **Research Interests** |
| Ichthyology / Aquaculture, Fish genetics, Fish breeding, Fish nutrition, Behavior, Physiology, Endocrinology/ Toxicology etc, |
| **Professional Achievements** |
| Initiated Fisheries & Aquaculture program in Quaid-i-Azam University and developed Fisheries research facility  |
| **Courses Developed**  |
| **Course Title** |  |
| Genetics and Biotechnology in Aquaculture  | MPhil/Phd |
| Fish behavior  | MPhil/Phd |
| Aquaculture  | MPhil/Phd |
| Fish health management  | MPhil/Phd |
| Fish Nutrition  | MPhil/Phd |
| Freshwater Fish culture  | MSc/BS (Hons) |

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| **Courses Taught** |  |
| **Course Title**  | **PhD/M Phil/ M. Sc./BS (Hons)** |
| Genetics and Biotechnology in Aquaculture Zoo- 626 | PhD/M Phil |
| Fish behavior Zoo-618 | PhD/M Phil |
| Aquaculture Zoo-615 | PhD/M Phil |
| Fish health management Zoo-625 | PhD/M Phil |
| Fish Nutrition Zoo 617 | PhD/M Phil |
| Limnology & Fisheries Zoo-616 | PhD/M Phil |
| Ichthyology Zoo 455 | MSc |
| Freshwater Fish culture Zoo- 470 | MSc |
| Principle of Biochemistry Zoo- 301 | MSc |
| General Biochemistry  | BS (Hons) |

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|  **Research Supervision** |
| HEC approved supervisor |
| PhD produced | 04 as supervisor and 01 as co-supervisor  |
| M.Phil Produced | 65 |
| PhD students currently under supervision | 05 |
| M.Phil Students currently under supervision | 07 |

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| Research Projects Completed |
| **Project Title**  | **Principal / Co-Principal Investigator**  | **Amount (Rs.)**  | **Sponsoring****Agency**  | **Duration**  |
|  |  |  |  |  |
| Genetic improvement of indigenous cultureable species rohu *Labeo rohita* by strain evaluation and selection  | PI | 3.536 million | Higher Edu. Comm. Islamabad | Feb, 2017 (three years) |
| Effect of early rearing environment at hatcheries on the growth and development of brain structure and hypothalamic-pituitary-interrenal (HPI) axis of Mahseer *(Tor putitora)*  | PI | 7.923 million.  | Higher Edu. Comm. Islamabad  | March. 2013 (three years) |
| To study the effects of different levels of dietary ascorbic acids on growth, liver vitamin C and response to hypoxic stress in juvenile Silver carp (*Hypophthalmic molitrix*) | PI | 0.5 Million  | Higher Edu. Comm. Islamabad  | June 2010 (one year) |
| Role of steroid hormone in regulation of ovarian follicular development in *Tor putitora* | PI | 8.4 million | Agriculture linkage program (NARC).  | Sep 2005 (three years) |

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| Research Projects Presently Under Investigation |
| **Project Title**  | **Principal / Co-Principal** **Investigator**  | **Amount**  | **Sponsoring****Agency**  | **Duration**  |
| Formulation and preparation of particulate functional diet for early rearing of indigenous culturable major carps | PI | 6.361 million.  | HEC, Pakistan | March 2020(Three years) |

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| **Publications in HEC recognized Journals**  |
| **Research Papers ( With Impact factor)** |
| [[Younas](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)](https://scholar.google.com.pk/citations?user=fGZP1vQAAAAJ&hl=en&oi=sra)[, W., Khan, FU., Zaman, M., Lin, D.,](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad) [**[A Zuberi](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)**](https://scholar.google.com.pk/citations?user=gJOb92wAAAAJ&hl=en&oi=sra)[, A. (2022).](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad) [[Toxicity of synthesized silver nanoparticles in a widespread fish: A comparison between green and chemical](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)](https://www.sciencedirect.com/science/article/pii/S0048969722044643)[. Science of the Total Environment. DOI:](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad) [[https://doi.org/10.1016/j.scitotenv.2022.157366](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)](https://doi.org/10.1016/j.scitotenv.2022.157366)[.](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad) **[IF:- 7.963](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)**[Younus, N., &](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad) **[Zuberi, A](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)**[. (2022). Significance of extrinsic factors for the optimization of dietary cobalt supplementation in Tor putitora fingerlings.](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)*[Fish Physiology and Biochemistry](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)*[, 1-15. .](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad) **[IF:- 3.014](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad)**[Ahmad](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ahmad%2C+Muhammad), M.,  [Zuberi](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Zuberi%2C+Amina), A.,  [Ali](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Ali%2C+Mashooq), M.,  [Sherzada](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Sherzada%2C+Shahid), S., Noorullah, A. (2022). Identification and determination of phylogenetic relationship among Labeo rohita, Labeo catla and their reciprocal hybrids by traditional and molecular tools. Aquaculture Research 53(7): 2686-2696. <https://doi.org/10.1111/are.15784>. IF:- **2.082**Dawood, A., Zuberi, A., Shi, W. (2022). Plant-based β-mannanase supplemented diet modulates the gut microbiota and up-regulates the expression of immunity and digestion-related genes in Cyprinus carpio. Journal of Applied Animal research. 50(1):21-30. <https://doi.org/10.1080/09712119.2021.2018327>. IF:- 1.63Khan, F.U., Shang, Y., Chang, X.,   Kong, H., **Zuberi, A**., [Fang](https://www.frontiersin.org/people/u/446504), J.K.H., Liu, W., Peng, J.,  [Zhang](https://www.frontiersin.org/people/u/1396967), X.,  [Hu](https://www.frontiersin.org/people/u/402877), M.,  [Wang](https://www.frontiersin.org/people/u/352009), Y. (2021). Effects of ocean acidification, hypoxia, and warming on the gut microbiota of the thick shell mussel *mytilus coruscus* through 16s rRNA gene sequencing. Front. Mar. Sci., 27 August 2021 | <https://doi.org/10.3389/fmars.2021.736338>. **IF:- 4.44**Aslam , S., **Zuberi A**., Chan, M.W.H , Mustaquim, J. (2021). Effect of Lemna minor and Glycine max on haematological parameters, glucose level, total protein content and anti-oxidant enzyme activities in *Ctenopharyngodon idella* and *Hypophthalmichthys molitrix.* aquaculture Report.  [19](https://www.sciencedirect.com/science/journal/23525134/19/supp/C):, 100616.<https://doi.org/10.1016/j.aqrep.2021.100616> . **IF:- 2.289**Younus, N., **Zuberi, A**\*., Mahmoood, T., Akram, W., Ahmad, M. (2020). Comparative effects of dietary micro- and nano-scale chitosan on the growth performance, non-specific immunity, and resistance of silver carp *Hypophthalmichthys molitrix* against *Staphylococcus aureus* infection . Aquaculture International. 28:2363–2378 <https://doi.org/10.1007/s10499-020-00595-0>. **IF:- 1.363**Ahmad, M., **Zuberi, A\*.,** Ali, M , Syed, A ., Murtaza, M.H., Khan, A., & Kamran, M. (2020). Effect of acclimated temperature on thermal tolerance, immune response and expression of HSP genes in *Labeo rohita*, *Catla catla* and their intergeneric hybrids. Journal of Thermal Biology 89: 102570. <https://doi.org/10.1016/j.jtherbio.2020.102570>. **IF:- 2.361**Younus, N**., Zuberi, A\***., Rashidpour, A., & Metón, I. (2020). Dietary cobalt supplementation improves growth and body composition and induces the expression of growth and stress response genes in *Tor putitora.* Fish Physiology and Biochemistry. 46:371–381 https://doi.org/10.1007/s10695-019-00723-5 **IF:- 2.249** Ullah, I., **Zuberi, A\***., Rehman, H., Ali, Z., Thörnqvist, P. O., & Winberg, S. (2020). Effects of early rearing enrichments on modulation of brain monoamines and hypothalamic–pituitary–interrenal axis (HPI axis) of fish Mahseer (*Tor putitora*). Fish physiology and biochemistry, 46(1): 75-88. **IF:- 2.249** Murtaza, M.H.,  Zuberi, A., Ahmad, M., Amir,I.,  Kamran, M., Ahmad, M. (2020). Influence of early rearing environment on water‑borne cortisol and expression of stress related genes in grass carp (*Ctenopharyngodon idella*). [Molecular Biology Reports](https://link.springer.com/journal/11033) . 47:5051–5060 . IF:- **2.316**Amir, I., **Zuberi, A\*.,** Kamran, M., & Imran, M. (2019). Evaluation of commercial application of dietary encapsulated probiotic (*Geotrichum candidum* QAUGC01): Effect on growth and immunological indices of rohu (*Labeo rohita*, Hamilton 1822) in semi-intensive culture system. Fish & shellfish immunology, 95, 464-472. **IF:- 4.149**Khan, K. U., Ullah, I., Sarwar, H., & **Zuberi, A**. (2019). Effects of Dietary Inclusion of Vitamin C on Immune and Antioxidant Defence System in Captive Reared Juvenile Mahseer, *Tor putitora* (Hamilton, 1822). Asian Fisheries Science, 1-7. **IF:- 0.37** Ullah, S., Li, Z., **Zuberi, A**., Arifeen, M. Z. U., & Baig, M. M. F. A. (2019). Biomarkers of pyrethroid toxicity in fish. Environmental Chemistry Letters, 1-29. **IF:- 5.849**Afridi, A.J., **Zuberi, A\***.,Yousafzai, A.M., [Maria](https://www.researchgate.net/scientific-contributions/2149624976_Maria).,  [Kamran](https://www.researchgate.net/profile/Muhammad_Kamran89), M., & Ullah, S. (2019). Hemp (Marijuana) reverted Copper-induced toxic effects on the essential fatty acid profile of *Labeo rohita* and *Cirrhinus mrigala*. Molecular Biology Reports, 46 (1), 391-401 DOI: 10.1007/s11033-018-4483-2. **IF:- 2.107**Amir, I., [**Zuberi**](https://www.researchgate.net/profile/Amina_Zuberi2?_sg=bz4boYQ_089-egpEpTThNQ8fEUEcXQKt2wYx2KTEyMgDHf7F0TINR06YJRnU5DRP_FcyAEc.vz_g9_rvwPL393io35IZCM45LlfUmoMT-Tu4pERvSDruRjYw5cdoHF7B0hZX8wmN7H5bRUGU1BrkrX-73kQcNw)[, **A\***., Imran](https://www.researchgate.net/profile/Muhammad_Imran31?_sg=bz4boYQ_089-egpEpTThNQ8fEUEcXQKt2wYx2KTEyMgDHf7F0TINR06YJRnU5DRP_FcyAEc.vz_g9_rvwPL393io35IZCM45LlfUmoMT-Tu4pERvSDruRjYw5cdoHF7B0hZX8wmN7H5bRUGU1BrkrX-73kQcNw)[, M., & Ullah](https://www.researchgate.net/profile/Sana_Ullah22?_sg=bz4boYQ_089-egpEpTThNQ8fEUEcXQKt2wYx2KTEyMgDHf7F0TINR06YJRnU5DRP_FcyAEc.vz_g9_rvwPL393io35IZCM45LlfUmoMT-Tu4pERvSDruRjYw5cdoHF7B0hZX8wmN7H5bRUGU1BrkrX-73kQcNw), S. (2018). Evaluation of yeast and bacterial based probiotics for early rearing of *Labeo rohita* (Hamilton, 1822). Aquaculture Research 49(12):3856-3863. **IF**:- **1.69**Ghori, I., Tabassum, M., , Ahmad, T., **Zuberi, A**., &Imran, M. (2018).*Geotrichum candidum* Enhanced the *Enterococcus faecium* Impact in improving physiology, and hematology of *Labeo rohita* (Hamilton, 1822) by modulating gut microbiome under mimic aquaculture conditions. Turkish Journal of Fisheries and Aquatic Sciences. 18:1255-1267. DOI: 10.4194/1303-2712-v18\_11\_02. **IF:-** **0.810**Majeed Z., **Zuberi, A.,**Akthar, S., & Ajab, Z. (2018)**.** Meristic variations and skeletal deformities in natural population of Mahseer fish, *Tor putitora* (Hamilton, 1822). Iranian Journal of Fisheries Sciences 17(1) 208-216. **IF**:- **0.42**Syed, A., **Zuberi, A\***., Ahmad, M., &Ahmad, S. (2018). Intraspecific Variation in Thermal Tolerance among Three Hatchery Reared Populations of *Labeo rohita* Acclimated to Different Temperatures. Pakistan journal of Zoology. 13;129-136.**IF**:- **0.547**Ullah, A., **Zuberi, A\*.,** Ahmad, M., Bashir, A.S., Younus, N., Ullah, S., & Khattak, M. N. K. (2018). Dietary administration of the commercially available probiotics enhanced the survival, growth, and innate immune responses in Mori (*Cirrhinus mrigala*) in a natural earthen polyculture system. Fish & shellfish immunology. 72, (266-272). DOI: [10.1016/j.fsi.2017.10.056](https://doi.org/10.1016/j.fsi.2017.10.056) **IF:- 3.37**Ullah.S., **Zuberi****, A.,**Mahmoud, A., Ragab, M., Ragab, M.F., Maryam, D., Kumaragurubaran,K., Ruchi, T.,&Kuldeep, D.(2018).Cypermethrin induced toxicities in fish and adverse health outcomes: Its prevention and control measure adaptation. Journal of environmental management. 206(863-871). **IF:- 5.305**Ibrar, M., **Zuberi, A\***., Amir, I., Imran, M., & Noor, Z. (2017). Effect of Probiotic *Geotrichumcandidum* on Early Rearing of *Labeorohita* (Hamilton, 1822).Turkish Journal of Fisheries and Aquatic Sciences. 17:1263-1270. DOI: 10.4194/1303-2712-v17\_6\_19. **IF**:- **0.53**Khan, K.U., **Zuberi, A**., Fernandes, J.B.K., Ullah, I., & Sarwar, H. (2017). An overview of the ongoing insights in selenium research and its role in fish nutrition and fish health. Fish Physiology and Biochemistry. 43 (6), 1689-1705. DOI 10.1007/s10695-017-0402-z. **IF** **:-** **1.73**Khan, K.U., **Zuberi, A**., Nazir, S., Ullah, I., Jamil, Z.,& Sarwar, S. (2017). Synergistic effects of dietary nano selenium and vitamin C on growth, feeding, and physiological parameters of Mahseer fish (*Tor putitora*). Aquaculture Reports 5, 70–75. **IF:-** **1.887**Ullah, I., **Zuberi****, A\***., Khan, K.U., Ahmad, S., Thörnqvist, P., & Winberg, S. (2017). Effects of enrichment on the development of behavior in an endangered fish Mahseer (*Tor putitora*). Applied Animal behavior. 186:93-100. **IF:- 1.759**Dawar, F.U., **Zuberi, A\***., Azizullah , A., & Khattak M.N.K. (2016). Effects of cypermethrin on survival, morphological and biochemical aspects of Rohu (*Labeo rohita*) during early development. Chemosphere 144: 697-705. **IF**:- **3.698**Khan, K.A.,Zuberi, A., Nazir, S., Fernandes, J.B.K., Jamil, Z., & Sarwar, H. (2016). Effects of dietary selenium nanoparticles on physiological and biochemical aspects of juvenile *Tor putitora*. Turkish Journal of Zoology. 40:1-9. **IF:- 0.88**Naeem, M., Salam, A., & **Zuberi, A**. (2016). Proximate composition of freshwater rainbow trout *(Oncorhynchus mykiss*) in relation to body size and condition factor from Pakistan. Pakistan Journal of Agricultural Sciences. 53(2): 468-472. **IF**: **1.049** Khan,K.U., **Zuberi, A\***., Ullah, I., & Sajjad. (2015). Effects of Graded Level of Dietary L-Ascorbyl-2-Polyphosphate on Growth Performance and Some Hematological Indices of Juvenile Mahseer (*Tor Putitora*). International Journal of Agricultural Biology. 17: 821-827. **IF**:- **0.758**Ullah, R., **Zuberi, A\*.,** Naeem, M., & Ullah, S. (2015).Toxicity to Hematology and Morphology of Liver, Brain and Gills during Acute Exposure of Mahseer (*Tor putitora*) to Cypermethrin. International Journal of Agricultural Biology. 17:199-204. **IF:-** **0.758**Ullah, S., Hasan, Z., & **Zuberi, A**. (2015). Heavy metals in three commercially valuable Cyprinids in the river Panjkora, District Lower Dir, Khyber Pakhtunkhwa, Pakistan. Toxicological & Environmental Chemistry 98(1):64-76. **IF. 0.825**Faiz, H., **Zuberi, A\*.,** Nazir, S., & Rauf, M. (2015). Zinc Oxide, Zinc Sulfate and Zinc Oxide Nanoparticles as Source of Dietary Zinc: Comparative Effects on Growth and Hematological Indices of Juvenile Grass Carp (*Ctenopharyngodonidella*). International Journal of Agricultural Biology.17: 568-574. **IF**:- **0.758**Bibi, N., **Zuberi, A\*.,** Naeem, M., Ullah, I., &Atika, B. (2014). Evaluation of acute toxicity of karate and its sub-lethal effects on protein and acetylcholinestrase activity in *Cyprinus carpio*. International Journal of Agricultural Biology. 16: 731-737. **IF:-** **0.94**Ullah, R., **Zuberi, A\*.,**Ullah, S., Ullah, I., & Dawar, F. U (2014). Cypermethrin induced behavioral and biochemical changes in Mahseer, *Tor putitora*. Journal of Toxicological Sciences. 39(6):829-836. **IF:-** **1.893****Zuberi, A.,** Brown, C., & Ali, S (2014). Effect of confinement on water-borne and whole body cortisol in wild and captive reared Rainbowfish (*Melanoteania duboulayi*). International Journal of Agricultural Biology. 16: 183-188. **IF**:- **0.94**[Kausar, N.,](http://www.sciencedirect.com/science/article/pii/S0044848612005923) **[Zuberi, A\*](http://www.sciencedirect.com/science/article/pii/S0044848612005923)**[., Naeem, M., Abdi, I.A., Khan, D.A & Ullah, I. (2013). Status of Whole Body Cortisol and Total Protein Content in Eggs, Embryos and Larvae of Silver carp (](http://www.sciencedirect.com/science/article/pii/S0044848612005923)*[Hypophthalmichthys molitrix](http://www.sciencedirect.com/science/article/pii/S0044848612005923)*[). International Journal of Agricultural Biology. 15: 252‒258.](http://www.sciencedirect.com/science/article/pii/S0044848612005923) **[IF:- 0.94](http://www.sciencedirect.com/science/article/pii/S0044848612005923)**[Su](http://www.sciencedirect.com/science/article/pii/S0044848612005923)[,](http://www.sciencedirect.com/science/article/pii/S0044848612005923#af0005) B., Perera, D.A., Zohar, Y., Abraham, E.,Stubblefield, J.,Fobes, M.,Beam,R., Argue, B.,Ligeon, C., Padi, J., Waters, P.,Umali-Maceina, G., Chatakondi, N., Kristanto, A., Hutson, A., Templeton, C., Ballenger, J., Chaimongkol, A., Gima, A., Gima, M., **Zuberi, A.,** Lambert, D.M.,Kim, S., Mandour, M. & Dunham, A.A. (2013). Relative Effectiveness of Carp Pituitary Extract, Luteininzing Hormone Releasing Hormone Analog (LHRHa) Injections and LHRHa Implants for Producing Hybrid Catfish Fry. Aquaculture. 372-375: 133-136. online [http://dx.doi.org/10.1016/j.Aquaculture.2012.10.001](http://dx.doi.org/10.1016/j.aquaculture.2012.10.001). **IF**:- **2.041**Raoult, V., Brown, C., **Zuberi, A**., &Williamson, J.E. (2012). Blood cortisol concentrations predict boldness in juvenile Mulloway (*Argyosomus japonicus*). Journal of Ethology. 30(2):225-232. DOI 10.1007/s10164-011-0314-9. **IF**:- **1.183**Naeem, M., Salam, A, Ali, M., Mehreen, M, Ali, M., Khan, M.J.., Ayaz, M.M., Ishtiaq, A & **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): 12315-12315. **IF:- 0.573**Naeem, M., **Zuberi, A.,** Salam, A., Elahi, N., Ali, M. & Ahmad, B. (2011). Induced spawning, fecundity, fertilization rate and hatching rate of grass carp (*Ctenopharyngodon idella*) by using a single intramuscular injection of ovaprim –cat fish hatchery Faisalabad, Pakistan. African Journal of Biotechnology. 10(53): 11048-11053. **IF:- 0.573**Naeem, M., **Zuberi, A.,** Salam, A., Ali. M., Riaz-ul-Haq, M., Khalid, M., Mehreen,M., Nasir, M.F & Ishtiaq, A. (2011). Some morphometric relationships of hatchery reared male population of *Oreochromis mossambicus* from Pakistan. African Journal of Biotechnology.10 (75):17362-17366. **IF:- 0.573****Zuberi, A**., Ali, S.,& Brown, C. (2011).A non-invasive assay for monitoring stress responses: A comparison between wild and captive-reared Rainbow fish (*Melanoteania duboulayi*). Aquaculture. 321(3-4): 267-272. **IF:-** **2.041****Zuberi, A**., Gima, M., Gima, A., Huston, A.,Chaimongkol, A., Li., Umali-Maceina, G., &Dunham, R. (2011). Diet fed to brood stock effects the growth of channel catfish (*Ictalurus punctatus* L) fry. Aquaculture Research. 42(12): 1899- 1904. doi:10.1111/j.1365-2109.2010.02780.x **IF**:- **1.203****Zuberi, A.,** Naeem, M & Jalali, S. (2011). Effect of Human chorionic Gonadotrpin (hCG) on in vitro oocyte maturation in freshwater cyprinid, *Barilius vagra*. African Journal of Biotechnology. 10(74): 16986-16993. **IF:- 0.573****Zuberi, A.,** Naeem, M., & Jalali, S. (2011).Relative in vitro effectiveness of several gonadal steroids on oocyte maturation in freshwater teleost *Barilius vagra* African Journal of Biotechnology. 10(55): 11772-11777. **IF:- 0.573****Zuberi, A**., Kilinc-Balci, Dunham, R., & Broughton, R. "Polymer implants for timed release of drugs with particular emphasis on ovulation or spermiation of fish." (2009) US20090162416 (Patent)  |

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| **Research Papers (without impact factor)** |
| Dawood,A., **Zuberi, A**., Ma, K., Imran,M., Ahmed,M., Production, purification and characterization of a thermostable β-Mannanase from *Aspergillus niger* AD-01: potential application in aquaculture (2019) International Journal of Biosciences | IJB | 15 (30: 314-327.Aslam,S., Zuberi, A., Shoaib , A . (2018) Effect of experimental diets on the activities of intestinal digestive enzymes of Grass carp, (*Ctenopharyngodon idella*) and Silver carp (*Hypophthylmichthys molitrix.* International Journal of Aquatic Science 9(1): 51-57. Aslam, S, **Zuberi, A**., Nazi., A. (2017). Effect of duckweed by replacing soybean in fish feed on growth performance of Grass carp (*Ctenopharyngodon idella*) and Silver carp (*Hypophthalmichthys molitrix*). International Journal of Fisheries and Aquatic Studies . 5(5): 278-282. Aslam, S, **Zuberi, A**., Kalhoro,M.A., Sarwar, H., Shoaib , A . (2016). A comparative study on growth performance of chinese carps by using soybean, glycine max (l) and duckweed, Lemna minor (L) meals as protein source. Science International. 28(1):299-306Ullah, S., Hasan, Z., **Zuberi, A**., Younus , N., Rauf (2014). Comparative Study on Body Composition of Two Chinese Carps, Common Carp (*Cyprinus carpio*) and Silver Carp (*Hypophthalmichthys molitrix*). Global Veterinaria 13 (5): 867-876 (<http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=global%20veterinaria>Naeem, M., Zuberi**, A**., Ashraf, M., Ahmad., A., Ishtiaq, A., Hasan, N. (2013). Induced breeding of *Labeo rohita* through single application of ovaprim-C at Faisalabad Hatchery, Pakistan . African Journal of Biotechnology. 12(19): 2722-2726. 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., 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 Naeem, M., Zuberi, A., Khan, N.A., Rasool, S.A., Ismail, H.F., Qamar, A. (2012). Some morphometric relationship traits of Labeo bata (Hamilton, 1822) from Head Panjnad, Pakistan. African Journal of Biotechnology. 11(88):15465-15468**Zuberi, A.,** Hafiz M.A., Jalali S. (2002). Study of ovarian steroids by High performance liquid chromatography 1: Seasonal profile of free and conjugated steroids in freshwater teleost fishes, *Cyprinion watsoni* and *Barilius vagra*. Proc. of Pak. Acad. Sci. 39(1): 7-32. **Zuberi, A**., Hafiz M.A., Jalali, S. (2002). Study of ovarian steroids by High performance liquid chromatography II: In vitro analysis of relative importance of steroids in oocyte maturation and their metabolism in local species of fresh water teleost fishes. Proc. of Pak. Acad. Sci. 39 (2): 151-174. |

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| **Published Abstract** |
| **International** |
| **Molecular basis of Behavior 2016 (March14-18).** ShamsunNihar, AminaZuberi and Imrana Amir (2016). Invasive and Non-Invasive measurements of Stress response in Mahseer *Tor putitora* [Abstract]. IBRO-APRC Associate School of Neuroscience**9th Joint Natural Products conference 2016 (July 24-27) Copenhagen, Denmark****ImdadUllahb, AminaZuberi, SvanteWinberg, HumairaJarral, Iftikhar Ahmad, Imrana Amir, and KefiayatUllah khan (2016).** Evaluation of antistress activity of methanolic extract of Phaneria variegate L. flowe buds in an acute stress induced fish mahseer (*Tor putitora*). [Abstract] P875. **Aquaculture 2008 (Feb 2-12, 2008)** Orlando, Florida* **Amina zuberi\*, Rex Dunham , Alison Hutson, Megan Rosinski, Atra Chaimongkol, Andrew Gima, Royall Broughton and Fatma Kilinc-Balci (2008).**Comparison of implants for the production of channel-blue hybrid catfish. [Abstract]. Aquaculture America 2008, Lake Buena Vista, FL. World Aquaculture Society.
* **Amina Zuberi\*, Rex Dunham, Menghe Li, Alison Hutson, Megan Rosinski, Atra Chaimongkol, And Andrew Gima.(2008)**. Effect of vitamin C on the production of channel-blue hybrid catfish embryos. [Abstract]. Aquaculture America 2008, LakeBuena Vista, FL. World Aquaculture Society
* **Andrew Gima\*, AminaZuberi, Rex Dunham, Allen Davis, Jesse Chappell, Megan Rosinski, Atra Chaimongkil and Alison Hutson (2008)**. Effect of soybean less diets on reproductive traits of blue catfish and potential genotype x environment interactions [Abstract]. Aquaculture America 2008, Lake Buena Vista, FL. World Aquaculture Society
* **The Fiber Society October, 2008**

Fatma Kilinc-Balci1, Amina Zuberi, Rex Dunham, Christopher J. Ward, Edward W. Davis, and Roy M. Broughton, Jr. (2008) Fiber Implants in Catfish for Controlled Release of Ovulation Inducing Hormone [Abstract] The Fiber Society October, 2008  |
| **National**  |
| **International Fisheries and Aquaculture Conference and Expo-2018, 30 –31 Jan.2019*** **Maria Amjad, Shazia Batool, Muhammad Imran, Imrana Amir, Rida Munsif, Amina zuberi\*(2019).** Evaluation of protective and therapeutic role of probiotics against Furadan induced toxicity in *Cyprinus carpio*.
* **Mashooq Ali and Amina Zuberi (2019).**  Isolation and characterization of spermatogonial stem cells (SSC) from *Cyprinus carpio*.
* **Imrana Amir, Muhammad Imran, Muhammad Ahmad, Amina Zuberi**\* (2019). Effect of free and encapsulated *Geotrichum candidum* on fatty acid and amino acid profile of *L. rohita*.
* **Ajmal Hussain and Amina zuberi** (2019). Evaluation of dietary protein requirements of advanced fry of *Labeo rohita*, *Catla catla* and their intergeneric hybrid.
* **Muhammad Noorullah, Mashooq Ali, Muhammad Ahmad, Muhammad Kamran, Manzoor Ahmad, Amina Zuberi\*(**2019). Evaluation and selection of best sperms extender for Indian major carps.
* **Waqar Younas, Amina Zuberi** (2019).Comparative toxicity of chemically synthesized and green synthesized silver nanoparticles in *H. molitrix*.
* **Fareed Ahmad Jan and Amina Zuberi (2019).** Evaluation of genetic diversity in wild and captive reared population of Rainbow Trout (*O. mykiss*) in Pakistan.

**39th Pakistan congress of zoology (International),4-6 Mar. 2019****Naima Younus , Noor Ullah , Amina Zuberi\*(2019).** Synthesis and characterization of organic and inorganic forms of cobalt nanoparticles: Effect on growth performance of *Tor putitora.***Azam Jan Afridi 1Amina Zuberi2\*, Ali Muhammad Yousafzai1(2019)**. Age and species specific sensitivity of Copper sulfate to freshwater cyprinids**Muhammad Ahmad, Awal Saeed, Amina Zuberi\*(2019).**Comparative innate immunity and expression of immune related Genes in *Catla catla* , *Labeo rohita* and intergeneric hybrids**38th Pakistan congress of zoology (International), 27 Feb. -01March, 2018.*** **Muhammad Ahmad, Naima Younus, Karim Johr, Zohaib Noor, Imrana Amir , Amina Zuberi\* (2018).** Comparative immunity of intergeneric hybrids and parental species *Catla catla, and Labeo rohita.* Zoological Society of Pakistan
* **Zohaib Noor, Muhammad Ahmed, Naima Younus, Karim Johr, Imrana Amir , Amina Zuberi\*(2018).** Effect of photoperiod on general morphology and physiology of Rohu *Labeo rohita* (Hamilton, 1822). Zoological Society of Pakistan
* **Salma Saeed, Muhammad Ahmad, Naima Younus, Karim Johr, , Imrana Amir , Amina Zuberi\*(2018).** Effect of global warming on surface feeder carps, *Hypophthalmichthys* molitrix and *Catla catla*. Zoological Society of Pakistan

**6th international Fisheries Symposium and Expo-2017*** Comparative effects of dietary free and nano layer-encapsulated probiotic *Geotrichum candidum* on silver carp (*Hypophthalmichthyes molitrix*)"
* Behavioral traits of captive-reared and wild-caught endangered fish mahseer (*Tor putitora*
* Comparative effects of locally isolated probiotics *Geotrichum candidum* and *Bacillus cereus* on early rearing of *Labeo rohita* (Ham.)
* Intraspecific variation in thermal tolerance among three hatchery reared populations of *Labeo rohita* acclimated to different temperatures
* Effects of ginger (*Zingiber officinale*) on growth performance and hematoimmunological indices of silver carp *Hypophthalmichthys molitrix*
* Preparation and evaluation of nanodiet for early rearing of major carp *Labeo rohita* (Hamilton)

**ISESCO Women in Science Conference March 8, 2016**Imrana Amir, Muhammad Salim, Amina Zuberi and Azka Anwar (2016). Effect of corn gluten 60% , soybean meal and feather meal on digestibility and growth performance of *Cirrihinus mrigala*. ISESCO Women in Science Chair. QAU. P43**36th Pakistan Congress of Zoology . Feb 16-18, 2016**HidayatulHaq, Imrana Amir and Amina Zuberi. (2016). Synergistic effects of *Geotrichumcandidum* and vitamin C on growth performance and immune response of *Labeorohita* (Ham.). Zoological Society of Pakistan. P179**5thInternational Fisheries Symposium****Shezad Ahmed, ImdadUllah, Amina Zuberi1**\*,(2015).Effects of hatchery rearing environment on brain structure and stress responses of mahseer.(*Tor putitora*).Fisheries Society**Naima Younus1, Amina Zuberi1\*, Muhammad Akmal2, Saba Rauf1, Ahmad Shoaib1**(2015). Preparation and characterization of chitosan noparticles and their effectson growth,immunity and body composition of silver carp(*Hypophthalmichthys molitrix*).Fisheries Society**Noor ul Huda1, Amina Zuberi1**\***, Baber Khan1, Muhammad Imran2, Saeeda Raza3  (2015).** Strain base comparative effects of dietary probiotic *Geotrichum candidum* on digestive enzymes and body composition of and  *Tor putitora*. **Fisheries Society****Ahmad Shoaib1, Amina Zuberi1**\***, Sadar Aslam1, Sana Ullah1, Naima Younis1  (2015).** Effect of stocking density on growth performance and survival of *Orechromis niloticus* in cage culture system. **Fisheries Society.****34thPakistan Congress of ZoologyFeb 25-27, 2014****Huda Sarwar, Amina Zuberi\*, Muhammad Imran (2014).**Efficacy of dietary probiotics (*Geotrichum candidum*, *Saccharomyces cerevisiae*, *Enterococcus faecium*) enriched diet growth and immunity of juvenile grass carp (*Ctenopharyngodon idella*). Zoological Society**Noor ul Huda, Muhammad Rauf, Muhammad Imran, Amina Zuberi1\* (2014).** Comparative Effect of Three strains of Dietary Probiotics Geotrichum candidum on Growth Performance and Immunity of *Ctenopharyngodon idella* and *Tor putitora .* Zoological Society**33rdPakistan Congress of Zoology, April 2-4, 2013****Azam Jan, Sajjad, Kifayat Ullah Khan and Amina Zuberi\* (2013).**Amino acid Profile in the muscles of *Cyprinus carpio* collected from Tarbela dam and River Soan. Zoological Society**Imdad Ullah, Ibrar Muhammad, Tabinda Sidrat, Maratib Ali and \*Amina Zuberi (2013)**. Status of Antioxidant Enzymes during Live Hauling of Advanced Fry of Rohu (*Labeo rohita).* Zoological Society**Imdad Ullah, Naeema Kausar , Zulfiqar Ali Abdi, Maratab Ali Awan and Amina Zuberi\* (2013).**Effect of Journey time on the status of cortisol and activity of Acetylecholinesterse during live hauling of advanced fry of Rohu *(Labeo rohita).* Zoological Society**Mahwish Munsif, Kifayat Ullah Khan and \*Amina Zuberi (2013)**. Measurement of Status of Cortisol in Response to Husbandry Practices by Invasive and Non-Invasive Method. Zoological Society**Maratab Ali Awan, Zulfiqar Ali Abdi, Imdad Ullah, Mary Kanwal, Tabinda Sidrat and Amina Zuberi\*(2013).**Effects of graded level of Vitamin C on Reproductive Performance of Broodfish of Silver carp (*Hypophthalmichthys molitrix*). Zoological Society**Azam Jan, Muhammad Rauf, Baber Khan, Sajjad and Amina Zuberi\* (2013).**Effect of Aquatic Environment on Mineral Contents of Some Freshwater Fishes (Cyprinids). Zoological Society**Azam Jan, Sajjad , Mary Kanwal, Hina Faiz and Amina Zuberi\* (2013).**Effect of Aquatic Environment on Fatty acid composition of *Cyprinus carpio.* Zoological Society**Maratab Ali Awan, Tabinda Sidrat , Zulfiqar Ali Abdi, Iftikhar Ahmed, Imdad Ullah and Amina Zuberi\* (2013).**Maternal Effects of L-Ascorbyl-2-Polyphosphate on Survival and Growth Performance of Early Fry of Silver Carp, *Hypophthalmichthys molitrix.* Zoological Society**Mary Kanwal, Kifayat Ullah Khan, Hina Faiz, Huda Sarwar and Amina Zuberi\*(2013).**Effects of Ferrous sulphate and Iron nanoparticles on some hematological and Growth Indices of Freshwater Fish *Cirrhinus mrigala.* Zoological Society**32ndPakistan Congress of Zoology, March 6-8, 2012****Bibi Atika and \*Amina Zuberi (2012).**Effects of dietry selenium on cypermethrin induced oxidative stress in juvenile Mahseer *(Tor putitora*). Zoological Society**Nusrat Bibi, Naqeebullah, Naema Kausar and \*Amina Zuberi (2012)**. Sublethal effects of locally used pesticide, karatae on MDA concentration and antioxidant enzymes in fry of fresh water cyprinid *Cyprinus carpio.* Zoological Society**Nusrat Bibi, Imdad Ullah, Bibi Atika and \*Amina Zuberi (2012).** Evaluation of acute toxicity of pesticide, karate and its sublethal effects on protein and acetylcholineestrase activity in *Cyprinus carpio.* Zoological Society**Naqeeb Ullah, Syed Ali Rza, Wasim Akram, Bibi Atika, Nusrat Bibi and \*Amina Zuberi (2012).**Effects of dietary L-ascorbyl-2-polyphosphate on antioxidant enzyme status in brain ans muscles under hypoxic ans hyperoxic stress in juvenile silver carp (*Hypothalamithicus molitrics).* Zoological Society**Naqeeb Ullah, Wasim Akram, Syed Ali Raza, Bibi Atika and \*Amina Zuberi (2012)** . Effects of different levels of dietary ascorbic acid on Growth, Liver, Vitamin C and response to hypoxic and hyperoxic stress in juvenile Silver Carp (*Hypothalamithicus molitrics).* Zoological Society**31stPakistan Congress of Zoology, 2011****Amina Zuberi and Samina Jalai (2011).**Effect of Human chorionic Gonadotrpin (hCG) on *in vitro* oocyte maturation in freshwater cyprinid, *Barilius vagra.* Zoological Society.**3rd symposium of Pakistan fisheries Society****Ahmed,N.,Zuberi, A and Akhtar S. (2005)**Toxicity of Mercury and Cobalt on newly hatched larvae of fresh water teleost *Labeo rohita.* Pakistan Fisheries Society**5th Zoological Congress of Pakistan (International)**(1-3) March, 2005**Majeed, Z., Zuberi, A and Akhtar, S. (2005).** Deformity of vertebral column in Mahseer (*Tor putitora*). Zoological Society.**3rd Binominal Conference****Zuberi, A. and Hafeez, M. A. (1991).** Effect of hCG and gonadal steroids on follicular maturation in *Barilius vagra*. The Pakistan Physiological Society. Dec. 1991. |

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| **Conferences/Workshops/Courses PARTICIPATED and ORGANIZED** |
| * International Fisheries and Aquaculture Conference and Expo-2018, organized by Fisheries Society at Faletti’s Hotel, Lahore. 30 –31 Jan.2019
* International conference & workshop “dengue infection in Pakistan & its controlling strategies organized by Department of Zoology, Quaid-i-Azam University. 17-18 Dec. 2019
* 39th Pakistan congress of zoology (International), organized by Zoological Society at University of Punjab, Lahore. 4-6 Mar. 2019
* 38th Pakistan congress of zoology (International), organized by Zoological Society at University of Punjab, Lahore. 27 Feb. -01 March, 2018.
* 6th international Fisheries Symposium and Expo-2017, organized by Fisheries Society at Faletti’s Hotel, Lahore. 8 –9 Feb.2017
* 36th Pakistan Congress of Zoology, organized by Zoological Society at University Of Sindh, Jamshoro. 16 – 18 Feb. 2016.
* Molecular basis of behavior organized by International Brain Research Organization (IBRO) at National University of Science and Technology (NUST). 6-7 Feb. 2015.
* 5th International Fisheries Symposium-2015 organized by Fisheries Society and Punjab Fisheries
* Feeding Pakistan (Aquaculture), organized by World Initiative for Soya in Human Health (WISHH), Kansas State University(K. State), SoyPAK at Crystal Ball Room, Pearl Continental Hotel (PC) Lahore. 2-3 April 2014
* 3rd invention to Innovation Summit, organized by Ministry of Science & technology, PSF, University of the Punjab, Institute of research Information at Punjab University. 19-20 March , 2014
* 33rdPakistan Congress of Zoology, organized by Zoological Society held at Natural History of Museum & PMAS Arid Agriculture University. April 2-4, 2013
* Brood-stock management and dissemination of improved Fish Breed in SAARC countries held at NARC , March 13-14 , 2012

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| * Conference on Management of open water fisheries: issues. Held at Chasma Fish Hatchery and organized by Fisheries Board. 28th April 2012
 |
| * 32ndPakistan Congress of Zoology, organized by Zoological Society held at GC University, Lahore, March 6-8, 2012
 |
| * Conference on " 31st Zoological Congress of Pakistan " Azad Kashmir University. April 19-21 , 2011
 |
| * Conference on "5th Zoological Congress of Pakistan" Tandojam March, 2005. Hyderabad, Pakistan. (3/1/2005-3/3/2005) [Local]
 |
| * Seminar on "National Symposium on Current trends in cellular, Medical and Environmental Physiology" Department of animal Sciences, QAU (5/17/2010-5/19/2010) [Local]
 |
| * Conference on " 3rd Binominal Conference, The Pakistan Physiological Society." Department of Physiology, Khyber Medical College, Peshawar (12/23/1991-12/24/1991) [Local]
 |
| * Workshop on "Testing & Assessment workshop" HEC regional center Karachi (11/18/2008-11/22/2008) [Local]
 |
| * Workshop on "Environmental Concerns in Development" National Centre for Rural Development & Municipal Administration (9/23/2002-9/28/2002) [Local]
 |
| * Workshop on "Fish culture " Fisheries Training Sub-Center Rawalpindi Region at Rawal Town Islamabad (2/15/1999-2/20/1999) [Local]
 |
| * Seminar on "The Fiber Society 2008 Fall Meeting" Industrial Materials Institute Campus (10/1/2008-10/3/2008) [International]
 |
| * Conference on " 31st Zoological Congress of Pakistan " Azad Kashmir University (. Azad Kasmir, Pakistan (4/9/2011-4/12/2011) [Local]
 |
| * Conference on "AQUACULTURE AMERICA " Disney's Coronado Springs Resort, Lake Buena Vista, (2/9/2008-2/12/2008) [International]
 |
| * Workshop on "Report Writing" Pakistan Planning and Management Institute , Islamabad (5/12/2004-5/13/2004) [Local]
 |
| * Conference on "3rd symposium of Pakistan fisheries on Conservation of Mahseer" 3rd symposium of Pakistan fisheries on Conservation of Mahseer (4/25/2005-4/26/2005) [Local]
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| **Trainings** |
| Biochemical Techniques (HPLC, GC-MS, Spectrophotometery etc), Electron microscopy, Tissue culture, Fish Culture, Fish hybridization, Report Writing, Course in Electronic Office, Training women for leadership development, Environmental Concerns in Development, GIS and Remote Sensing, Testing and Assessment, The seven habits of highly effective people |

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| **Honors and Awards** |
| * Award of research grant under the HEC program “ Pakistan program for collaborative research (PPCR) (2013)
* Endeavour Research fellowship award (2009)
* Fulbright Scholarship for Post doc (2006-2007)
* Merit Scholarship in M.Sc and M.Phil
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| **Membership** |
| * Executive member of Pakistan Fisheries Society
* Sectary/member of National Curriculum of Freshwater Biology and Fisheries
* Member of Board of studies (Biological Sciences), Quaid-i-Azam University, University of Azad Jamu Kashmir
* Member of Tenure Review Committee of Department of Forestry, Shaheed Benazir Bhutto University Sheringal
* Member of U.S Alumni Network (PUAN)
* Member Endeavor Network
* Member of quality enhancement Cell, Quaid-i-Azam University
* Member of departmental Board of Studies
* Member of selection/departmental promotion committee, Quaid-i-Azam University
* Member of DTC (QAU)
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**Administrative services rendered to the Department**

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| * Course coordinator
* Member of the quality enhancement Cell of QAU
* Member of Departmental Board of Studies (Zoology)
* Member of Board of faculty (Biological Sciences).
* Member Departmental Tenure Committee
* Member of Departmental promotion Committee (DPC)
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**Reviewer for Journals**

Reviewed many manuscripts submitted in peer reviewed journals including:

* Fish Physiology and Biochemistry
* Applied Animal Behaviour Science
* Aquaculture Research
* Journal of Applied Aquaculture
* Aquaculture Nutrition
* Chemosphere
* Drug and Chemical Toxicology
* Environmental Pollution
* Thalassas: An International Journal of Marine Sciences
* Iranian Journal of fisheries Science
* Pakistan Journal of Agriculture Science
* Pure and Applied Biology
* Science of the Total Environment
* Artificial Cells, Nanomedicine and Biotechnology
* Turkish Journal of Fisheries and Aquatic Sciences

**Achievements during TTS service**

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| * Initiated MPhil and PhD research programs in the field of Fisheries and Aquaculture
* Established well equipped Fisheries and Aquaculture research facility consisting of outdoor (earthen ponds, concrete raceways, fiberglass tanks) and indoor (aquaria lab.) rearing facility in Quaid-i-Azam University with the support of HEC projects.
* Developed 5 new courses relevant to Fisheries and Aquaculture program for the MPhil/PhD and one new course for MSc in the same field.
* Taught 10 different courses i.e., Genetics and Biotechnology in Aquaculture, Fish behavior, Aquaculture, Fish health management, Fish Nutrition, Limnology & Fisheries, Ichthyology, Freshwater Fish culture, Principle of Biochemistry and General Biochemistry to MPhil/PhD, MSc and BS students
* Supervised and produced 59 MPhil
* Produced 2 PhDs and the theses of 2 PhD scholars are under foreign evaluation
* Received three research grants (NRPU projects) amounting to 17.82 million
* Published above 40 articles in reputable impact factor journals and above 10 articles in HEC recognized non-impact factor journals
* Participated as Sectary as well as a member in the development of National Curriculum of Freshwater Biology and Fisheries
* Participated as a member of the Board of studies in different Universities
* Evaluated many MPhil theses of different universities including Hazara University, PMAS University of Arid Agriculture, Rawalpindi, Sargodha University and BZU Multan, GC University, Lahore, Islamia, college University Peshawar etc
* First time evaluated different strains of *L. rohita* in Pakistan and initiated selected breeding program in collaboration with private and Government Hatcheries
* Developed research collaboration with Department of Fisheries, Punjab, National center for Physics, National Cleaner Production Center Foundation (NCPC) and with Department of Microbiology
* Provided Advisory service to Fish farmers and help in development of fish farms
* Since 2012, every year organizing program / activities for the celebration of World Fisheries Day
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