 Curriculum Vitae

OBJECTIVE

To accept challenging position in the world of Animal Sciences, teaching and utilize personal abilities to provide effective and efficient services to achieve intended results.

**Name :** **Dr. MUHAMMAD MUDASSAR SHAHZAD**

**Father’s Name** **:** SHAHZAD AHMAD

**CNIC. No. :** 37201-3737497-1

**Postal Address** **:** House No. MCB 1/1600 near Muhammadia Ghosia Masjad

Mohalla Faisal Colony Talagang roadChakwal, Pakistan.

**Phone #** **:** Mob. +92-334-5934911; +92-345-5734815

**E-mail :** [drmudassarshahzad@gmail.com](mailto:drmudassarshahzad@gmail.com); [mudassarshahzad.uos@gmail.com](mailto:mudassarshahzad.uos@gmail.com)

Job: (Assistant Professor IPFP) 12th April 2018: Department of Zoology, Division of Science and Technology, University of Education, Lahore.

(Assistant Professor TTS) 27th September 2018: Department of Zoology, Division of Science and Technology, University of Education, Lahore.

Education:

* Ph.D. Zoology, 2017

Department of Zoology, Government College University, Faisalabad, Pakistan

* **M.Ed. (Teacher education) 2016**

Allama Iqbal Open University Islamabad, Pakistan

* M. Phil. Zoology, 2013

Department of Zoology, Government College University, Faisalabad, Pakistan

* B.Ed. (Biology and Chemistry) 2013

Allama Iqbal Open University Islamabad, Pakistan

* M. Sc. Zoology, 2011

Department of Zoology, University of Sargodha, Sargodha, Pakistan

* B.Sc. Zoology, Chemistry, Computer. 2009

Government Post Graduate College Chakwal, Pakistan (under University of Punjab)

* F.Sc. Biology, Chemistry, Physics, 2006

Government Post Graduate College Chakwal, Pakistan (under BISE Rawalpindi)

* Matric Biology, Chemistry, Physics. Math, 2003

Govt. High School, Thanil Kamal, Chakwal, Pakistan (under BISE Rawalpindi)

Research Interests:

* My research interests are to improve the apparent nutrient digestibility of plant by-product ingredients through the inclusion of different supplementations.
* Preparation of cost effective fish feed by optimizing the levels of phytase for environment friendly aquaculture.

**Research work:**

* **MSc thesis title:.** Potential effects of abiotic factors on population dynamics of fruit fly (*Bactrocera dorsalis*) larvae and pupae in citrus and guava fruits in Sargodha region, Pakistan
* **MPhil thesis title:.** Role of phytase supplementation in improving growth performance and nutrient digestibility of *Cirrhinus mrigala* fingerlings fed on Soybean meal-based diet
* **PhD thesis title:.** Effect of phytase supplementation on nutrient digestibility and growth performance of *Catla catla* fingerlings fed Moringa by-products based diets

**Research Projects**

Development of economic and eco-friendly feed for the Common carp and Tilapia fingerlings fed on phytase supplemented moringa by-products based diets. (SRPG 0.5 Million)

**Supervision**

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| --- | --- | --- | --- | --- |
| **Sr.** | **Student Name** | **Title** | **University** | **Degree** |
| 1 | Sana Bashir  msf1700022 | Development of Economical and Ecofriendly Feed for Common Carp (*Cyprinus carpio*) Fingerlings Fed on Phytase Supplemented Moringa By-product Based Diet | University of Education Township Lahore | MS Zoology (2017-19) |
| 2 | Iram Liaquat  msf1700015 | Effect of Phytase Supplemented Moringa Based Diets on Growth Performance of Tilapia (*Oreochromis niloticus*) Fingerlings. | University of Education Township Lahore | MS Zoology (2017-19) |
| 3 | Muammad Tahir Rafique  BSZOOL-F15-M7 | Development of eco-friendly and low cost feed for Nile Tilapia (*Oreochromis niloticus*) fingerlings fed on Moringa by-products based diet | University of Education Township Lahore | BS Zoology (2015-19) |
| 4 | Fatima Khalid  BSZOOL-F15-E37 | Efficacy of Taurine addition on performance of Common Carp (*Cyprinus carpio)* fingerlings fed on oil seed meal based diet | University of Education Township Lahore | BS Zoology (2015-19) |
| 5 | Sara Mahmood  BSZOOL-F15-E27 | Role of phytase addition on Liver histopathology of Nile Tilapia(*Oreochromis niloticus*) fingerlings fed Moringa by product based diet | University of Education Township Lahore | BS Zoology (2015-19) |
| 6 | Kiran Ayub  BSZOOL-F15-E08 | Effects of phytase supplemented Moringa by-product based diet on liver of Common carp (*Cyprinus carpio)* fingerlings | University of Education Township Lahore | BS Zoology  (2015-19) |
| 7 | Hafiza Samra Ambreen  ZP14-25 | Assessing the growth performance, hematology and body composition of Genetically Improved Farm Tilapia (GIFT) under different culturing systems | University of the Punjab, Lahore | PhD Zoology  (2016-19) |
| 7 | Kalsoom Akhtar  msf1800095 | Role of probiotics supplementation on the growth performance and nutrient digestibility of *Labeo rohita* fingerlings fed linseed meal-based diet | University of Education Township Lahore | MS Zoology (2018-20) |
| 8 | Laraib Tahir  msf1800116 | Effect of probiotics supplemented rapeseed meal-based diet on growth performance, nutrient digestibility and minerals availability in *Catla catla* fingerlings | University of Education Township Lahore | MS Zoology (2018-20) |
| 9 | Zara Abbas  bsf1601261 | Improvement in fish body composition and blood parameters by the utilization of probiotics in oilseed meal-based diet for *Catla catla* fingerlings | University of Education Township Lahore | BS Zoology  (2016-20) |
| 10 | Wirda Butt  bsf1601210 | Efficacy of probiotics supplementation on hematoimmunity and carcass composition of *Labeo rohita* fingerlings fed oilseeds by-product-based diet | University of Education Township Lahore | BS Zoology  (2016-20) |
| 11 | Hamna Rashid BSF1601268 | Effect of probiotics supplemented plant meal based diet on hepatohistology of *Labeo rohita* fingerlings | University of Education Township Lahore | BS Zoology  (2016-20) |

**DISTINCTIONS**

* **3rd position** in poster competition on World Fisheries Day (21 November 2016) organized by Department of Zoology, Government College University, Faisalabad.
* **2nd position** in Flower Exhibition arranged by Department of Environmental Sciences, Government College University, Faisalabad (29 March, 2012).
* **2nd position** in Poster Competition and Presentation in “Green Industry Green Pakistan Video and poster competition” arranged by Ministry of Industries Government of Pakistan.
* President of Departmental Societies of the Department of Zoology, Wildlife and Fisheries, Government College University, Faisalabad (2011-13).
* Develop Fish Nutrition Lab at Department of Zoology, DSNT, University of Education Lahore (2018-2019).
* Boys Hostel Superintendent, Township Campus University of Education Lahore (From October 2018).
* Won 1st Prof. Dr. Muhammad Afzal **Gold-Medal in Fish Nutrition** from Applied Zoological Society GCUF

PUBLISHED PAPERS

* Hussain, S.M., **M.M. Shahzad**, M. Afzal, F. Jabeen, S. Nasir, A. Javid, M.A. Chaudhary, S. Ahmad, M.Z.H. Arsalan, D. Riaz, T.A.A. Khichi,A.W. Ahmadand M. Furqan. 2014. Growth Performance and Nutrient digestibility of *Cirrhinus mrigala* Fingerlings Fed on Soybean Meal-based Diet Supplemented by Phytase. Int. J. Biosci. 5: 212-221 **(Universal IF 0.553).**
* Hussain, S.M., T. Hameed, M. Afzal,F. Jabeen,M.S. Mubarik, M.A. Chaudary, S.Z.H. Shah, S. Ahmad, M.Z.H. Arsalan, D. Riaz, N. Tahir, F. Amber, **M.M. Shahzad** and T.A.A. Khichi. 2014. Effects of phytase supplementation on mineral digestibility in *Cirrhinus mrigala* fingerlings fed on sunflower meal-based diets. Int. J. Biosci. 5: 173-181 **(ISI IF 0.524).**
* Hussain S.M., N. Ahmad, F. Jabeen, A. Javid, N. Aslam, M. Hussain, S. Ahmad, M.Z.H. Arsalan, D. Riaz and **M.M. Shahzad**. 2015. Effect of citric acid and Phytase Supplementation on Nutrients Digestibility of *Cirrhinus mrigala* Fingerlings Fed on Corn Gluten (30%) Meal based Diets. Int. J. Biosci. 6(7): 82-91. **(Universal IF 0.459)**
* Hussain, S.M., **M.M. Shahzad**, M. Afzal, A. Javid, M.S. Mubarik, S. Ahmad, M. Hussain, S.Z.H. Shah, M.Z. Arsalan, R. Manzoorand D. Riaz. 2016. Efficacy of phytase enzyme for increasing mineral digestibility of *Cirrhinus mrigala* fingerlings fed on soybean meal-based diet. Pak. J. Zool: 47(6): 1807-1816. **(IF 0.404).**
* Hussain, S.M., S. Ahmad, **M.M. Shahzad**, M.Z.H. Arsalan, D. Riaz, N. Ahmad, S. Tabassum and A.W. Ahmad. 2016. Mineral digestibility of *Labeo rohita* fingerlings fed on cottonseed meal based diets supplemented with citric acid and phytase enzyme. Int. J. Bio-Sci., 8(2):25-35. (**Universal** **IF 0.459)**.
* **Shahzad, M.M.,** S. M. Hussain, F. Jabeen, A.I. Hussain, M. Z. H. Arsalan, N. Ahmad, M.M.H. Rehan, D. Riaz. 2016. Carcass composition and hematological study of *Catla catla* fingerlings fed on phytase supplemented *Moringa oleifera* leaf meal (MOLM) based diet. J. Biodi. Env. Sci. 9 (1), 57-68**.**
* Akram, Z., M. Afzal, S.Z.H. Shah, M. Fatima, K. Akram, S. M. Hussain and **M. M. Shahzad.** 2016. Role of citric acid and phytase supplementation in improving trace mineral retention in rohu (*Labeo rohita*) juveniles fed soybean meal based diet. Biologia. 62 (1), 87-93.
* Asrar, M., S.M. Hussain, S. Tabassum, A.I. Hussain, N. Aslam, M. Arshad, **M.M. Shahzad**, M. Hussain, M. Z. H. Arsalan and D. Riaz. 2016. Effect of citric acid supplementation on growth parameters of *Cirrhinus mrigala* fingerlings fed canola meal based test diets. J. Biodi. Env. Sci. 9 (1), 381-389.
* Arsalan, M.Z., S.M. Hussain, M. Asrar,H. Anwar,M.M. Rehan, **M.M. Shahzad**, D. Riaz, N. Ahmad and N. Wahab. 2016. Effects of *Moringa oleifera* leaf meal (MOLM) based diets on carcass composition and Haematology of *Labeo rohita* fingerlings. J. Bio. & Env. Sci., 9: 214-223.
* **M.M. Shahzad**, S.M. Hussain, F. Jabeen, A. I. Hussain, S. Ahmad, A. Ashraf and M. Z. H. Arsalan. 2017. Effect of phytase supplementation on mineral digestibility to *Catla catla* fingerlings fed *Moringa oleifera* leaf meal based test diets. Punjab Uni. J. Zoo. 32(1): 065-073.
* Hussain, S.M., **M.M. Shahzad**, N. Aslam, A. Javid, A.I. Hussain, M. Hussain, M.Z.H. Arsalan. 2016. Use of phytase at graded levels for improving nutrient digestibility, growth and hematology of *Catla catla* fingerlings fed MOSM based diet. Indian J. Fisheries. 64(2): 48-57. **(IF 0.251)**
* Hussain, M., S.M. Hussain, R. Iqbal, A. Javid, **M.M. Shahzad** and M.Z.H. Arsalan. 2017. Effect of citric acid acidified *Moringa oleifera* seed meal based diet on nutrients digestibility and growth performance of *Cirrhinus mrigala* fingerlings. Int. J. Agric. Biology, 19: 719-725 **(IF 0.758).**
* Hussain, S.M., T. Hameed, M. Afzal, A. Javid, N. Aslam, S. Z. H. Shah, M. Hussain, M.Z.H. Arsalan and **M. M. Shahzad**. 2017. Growth performance and nutrient digestibility of *Cirrhinus mrigala* fingerlings fed on sunflower meal based diet supplemented with phytase. Pak. J. Zoology, 49(5), 1713-1724 (**IF 0.491**).
* **Shahzad, M.M**., S.M. Hussain, A. Javid and M. Hussain. 2018. Role of phytase supplementation in improving growth parameters and mineral digestibility of *Catla catla* fingerlings fed moringa by-products based test diet. Turkish J. Fish. Aqua. Sci., 18, 557-566 (**IF 0.566**)
* Hussain, S.M., N. Ahmad, A. Javid, **M.M. Shahzad**, M.Z.H. Arsalan. 2018. Effects of phytase and citric acid supplemented corn gluten (30%) meal based diets on the mineral digestibility of *Cirrhinus mrigala* fingerlings. Turkish J. Fish. Aqua. Sci., 18, 501-507 (**0.566 IF**)
* **Shahzad, M.M.**, I. Mustafa , S.M., Hussain, M. Asrar, S.Z.H. Shah, Furqan, M., M.Z.H. Arsalan and W, Ahmed. 2017. Effects of abiotic factors on population dynamics of fruit fly *(Bactrocera dorsalis;* hendel) larvae and pupae on citrus and guava fruits in Sargodha Pakistan. Pak. Ent., 39(2), 45-51.
* Hussain, S.M., Aslam, N., Javid, A., Liaqat, S., **Shahzad, M.M**., Arsalan M.Z.H. and Khalid, A., 2018. Efficacy of probiotics supplementation on mineral digestibility, haematological parameters and carcass composition of *Oreochromis niloticus* fingerlings fed canola meal based diets. Pak. J. Zool., 50(5), 1825-1834 **(0.547 IF).**
* Hussain, S.M., M.Z.H. Arsalan, A. Javid, A.I. Hussain, N. Aslam, Q. Ali, M. Hussain, M.M. Rehan, M.M. Shahzad, A. Khalid and D. Riaz.2018. Effects of varying levels of *Moringa oleifera* leaf meal (MOLM) based diets on growth performance and nutrient digestibility of *Labeo rohita* fingerlings. Pak. J. Zool., 50(5), 1815-1823 (0.547 IF).
* **Shahzad, M.M,** S.M. Hussain, F. Jabeen, A.I. Hussain, A. Javid, M. Asrar and M.Z.H. Arsalan. 2018. Improvement in mineral digestibility and whole body composition of *Catla catla* fingerlings fed phytase supplemented MOSM based diet. Pak. J. Zool., 50(5), 1909-1920 **(0.547 IF)**.
* Hussain, M., S.M. Hussain, R. Iqbal, A. Javid, **M.M. Shahzad** and M.Z.H Arsalan. 2018. Hematological indices, nutrient digestibility and growth performance of *Catla catla* fingerlings fed citric acid supplemented *Moringa oleifera* leaf meal based diet. Pak. J. Zool., 50(6), 2307-2315 **(0.547 IF).**
* Hussain, S.M., N. Ahmad, **M.M., Shahzad**, A. Javid,M. Hussain and M.Z.H. Arsalan. 2018. Efficacy of phytase enzyme and citric acid on growth performance, nutrients and mineral digestibility of *Cirrhinus* *mrigala* fingerlings fed guar meal-based diet. Iranian J. Fish. Sci. 1-16. DOI10.22092/ijfs.2018.117462 **(IF 0.446).**
* Akram, A.M., H. Kausar, A. Chaudhary, A.M. Khalid, **M.M. Shahzad**, M.W. Akhtar, M.F. Sabar, N. Sajid, N. Anazi, A. Aleem and Z. Iqbal. 2018. Detection of Exon 12 and 14 mutation in Janus Kinase 2 Gene including a novel mutant in V617F negative polycythemia vera patients from Pakistan. Journal of Cancer. 9(23) 4341-4345. (**3.249 IF**).
* Akram, A.M., Akhtar, T., Chaudhary, A., **Shahzad, M.M.,** Khalid, A.M., Sajid, N., Sabar, M.F. and Iqbal, Z. 2018. BCR-ABL Kinase Domain Mutations Exist in Few Imatinib Treated Chronic Myeloid Leukemia (CML) Patients Exhibiting Stable Cytogenetic and Hematologic Responses. 132:5427 doi.org/10.1182/blood-2018-99-111757. (**15.132 IF**)
* Ahmad, N., Hussain, S.M., Ali. Q., Asrar, M., **Shahzad, M.M.,** and Arsalan, M.Z.H. 2019. Effects of chromium nanoparticles supplementation on body composition of *Cirrhinus mrigala* fingerlings fed sunflower meal based diet. Int. J. Biosci. 14: 186-193 **(ISI IF 0.524)**
* Furqan, M., Ali, U., Ara, A., **Shahzad, M.M**., Awan, M.S., Minhas, R.S., Ahmed, K.B., Qamar, Q.Z. and Dar, N.I. 2019. Population Estimation and Habitat Analysis of Indian Grey Mongoose (*Herpestes edwardsii*) in Mirpur District, Azad Jammu and Kashmir. Pak. J. Zool., 51(2), 549-557. **(0.790 IF)**
* Hussain, S.M., Ahmad, N., Azhar, R., **Shahzad, M.M.,** Latif, M., Arsalan, M.Z.H., Umair, M. and Shafqat, H.N. 2019. Efficacy of nano-Cr particles supplemented sunflower meal based diets on growth performance, digestibility and hematology of *Catla catla* fingerlings. Pak. J. Zool., 51(5), 1943-1952. **(0.790 IF)**
* Hussain, S.M., A. Khalid, **M.M. Shahzad**, A. Rasul, A.M. Akram, N. Ahmad and F. Khalid. (2019). Effect of dietary supplementation of selenium nanoparticles on growth performance and nutrient digestibility of common carp (*Cyprinus carpio* Linnaeus, 1758) fingerlings fed sunflower meal based diet. Indian J. Fish., 66(3): 53-59. **(0.17 IF)**
* **Shahzad, M.M**., S.M. Hussain, A.M. Akram, A. Javid, M. Hussain, S.Z.H. Shah and A. Chaudhary. 2020. Improvement in nutrient digestibility and growth performance of *Catla catla* fingerlings using phytase in *moringa oleifera* leaf meal based diet. Pak. J. Zool., 1(52), 157-168. (**0.790 IF**)
* Hussain, S.M., H. Gohar, A. Rasul, **M.M. Shahzad**, M. Asrar M. Ali,M. Hussain. 2020. Effect of polyphenols supplemented canola meal-based diet on growth performance, nutrient digestibility and antioxidant activity of *Cyprinus carpio* fingerlings.Indian J. Fisheries. Accepted (**IF 0.275**).

SUBMITTED PAPERS

1. **Shahzad, M.M**., S. M. Hussain, M. Hussain, A. M. Akram, M. Tariq, Z. Hussain, N. Ahmed, M. Furqan, F. Khalid and T. Rafique. Improvement in Overall Performance of Catla catla Fingerlings Fed Phytase included Low Cost Plant by Products-Based Diet. Submission Number **SJBS-D-19-02742**. Saudi Journal of Biological Sciences. **(2.89 IF)**
2. **Shahzad, M.M.,** M. Hussain, S.M. Hussain, R. Iqbal, S.Z.H. Shah, A.M. Akram, N. Ahmad and M.Z. Arsalan. 2019. Improvement in *Cirrhinus mrigala* fingerlings performance fed acidified *Moringa oleifera* seed meal based diet. **Under** **Review** Pak. J. Zool., **(0.790 IF)**.
3. Hussain, M., S.M. Hussain, R. Iqbal, S.Z.H. Shah, **M.M. Shahzad**, Muhammad Zubair ul Hassan Arsalan. 2018. Effect of citric acid acidified *Moringa oleifera* seed meal based diet on minerals absorption, carcass composition and hematological indices of *Cirrhinus mrigala* fingerlings. **Under** **Review** Sains Malaysiana **(0.470 IF).**
4. Hussain, M., S.M. Hussain\*,R.Iqbal, N. Aslam, A. Javid, **M.M. Shahzad**, 2018. Supplementation effect of citric acid to *Moringa oleifera* seed meal based diets on growth performance, nutrient digestibility and hematology of *Labeo rohita* fingerlings. **Under Review** Iranian Journal of Fisheries Sciences. A-10-1162-5 **(IF 0.285).**
5. **Hussain S.M**\***.**, S. Liaqat, S. Ali, Q. Ali, M.M. Shahzad. 2018. Effects of probiotics on growth performance and nutrient digestibility of *Oreochromis niloticus* fingerlings fed canola meal based diet. **Under Review** in Canadian Journal of Fisheries and Aquatic Sciences**.**
6. Hussain, S.M\*., M. Bashir and **M.M. Shahzad**, M.Z.H. Arsalan and M.A. Khalid. 2018. Efficacy of probiotics supplementation on carcass composition and hematological parameters of *Cyprinus carpio* fingerlings fed corn gluten meal based diets. **Under** **Review** in **Aquaculture.**
7. Hussain, S.M\*., H. Gohar, M. Asrar, **M.M. Shahzad**, A. Rafique, M. Hussain, M.Z.H. Arsalan, N. Ahmad, S. Tabassum and M. Umair. 2018. Effects of polyphenols supplemented canola meal based diet on proximate composition, minerals absorption and hematology of *Cyprinus carpio* fingerlings. Pakistan J. Agri. Sci., manuscript # 8043 **(IF 0.677)**.
8. Hussain, S.M., N. Ahmad, M. Fakhar-e-Alam, A. Javid, **M.M. Shahzad**, H. Azmat. 2018. Effects of Se nanoparticles supplementation on hematological parameters, nutrient digestibility and growth performance of *Labeo rohita* fingerlings fed sunflower meal based diets. Biological Trace Element Research. (**IF 2.361**).
9. **Shahzad, M.M**., Rafique, T., Hussain, S.M., Hussain, Z.,Zahoor, M.Y., Hussain, M., Rehman, R.A., Ahmad, N., Liaquat, I. and BashirS., 2019. Effect of phytase supplemented moringa by-products based diets on the performance of *Oreochromis niloticus* fingerlings. Journal of Animal and Plant Sciences. Submission Number **Fish-19-0034** **(IF 0.529)**
10. Hussain, M., S.M., Hussain, **M.M. Shahzad**, Shah, S.Z.H, A. Javid and H. Azmat (2019). Impact of citric acid supplemented *Moringa oleifera* leaf meal-based diet on nutrient digestibility, growth and hematology of *Labeo rohita* fingerlings. Submission Number **SJBS-S-19-04073**. Saudi Journal of Biological Sciences. (2.89 IF)

New Courses Developed in University of Education Lahore:

1. Aquaculture Development (ZOOL5156)
2. Fish Nutrition (ZOOL5157)
3. Fish feed and Health (ZOOL5158)
4. Fish Requirements (ZOOL5133)
5. Zoogeography and Paleontology (ZOOL4127)
6. Wildlife (ZOOL3119)
7. Evolution and Systematics (ZOOL3116)
8. Aquaculture and Fisheries (ZOOL5117)

**TRAINING/SEMINARS/WORKSHOPS:**

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| --- | --- | --- | --- |
| **Sr. #** | **Trainings/Seminars/Workshops** | **Year** | **Institution/Organization** |
|  | 31st Pakistan Congress of Zoology (International) | 19-21 April 2011 | Zoological Society of Pakistan |
|  | Promoting trade for Fisheries products in Pakistan: Biological, Technological and marketing considerations | 12 Jan 2012 | Department of Zoology, Wildlife and Fisheries, GC University, Faisalabad |
|  | Training course “Sustainable Wetlands Management” | 27th Feb 1st Mar 2012 | Department of Wildlife and Fisheries, Government College University |
|  | Conference on "Developing strategies to monitor Indus River Pollution in Mianwali region of Pakistan by using fish as a potential bio-indicator” | 11th July 2012 | Department of Zoology, Wildlife and Fisheries, GC University, Faisalabad |
|  | 2012 Flower exhibition | 29, march 2012 | Department of Environmental Sciences, GC University, Faisalabad |
| 1. G | Green Industry green Pakistan Poster competition | 16, August 2012 | Government of Pakistan Ministry of Industries |
|  | Workshop on “Water Pollution and its Mitigation” | 19th-20th Dec 2012 | Department of Zoology, Wildlife and Fisheries, GC University, Faisalabad |
|  | Management of open water Fisheries in Pakistan, Issues and open Options held at Chashma lake, District Mianwali | 28, April 2012 | Department of Fisheries Punjab Pakistan |
|  | New horizons and recent advances in Chemical and Biological Advances | 14th Feb 2013 | Department of Applied Chemistry, GC University, Faisalabad |
|  | 33rd Pakistan congress of Zoology (International) | 2-4 April 2013 | Pakistan Museum of Natural History (PSF) and PMAS Agriculture University, Rawalpindi |
|  | One day conference on International Day on Biological diversity; Water and Biodiversity | 22 May 2013 | Department of Zoology, Wildlife and Fisheries, GC University, Faisalabad |
|  | Seminar on Management of Diabetes Mellitus | 28th May 2013 | Department of Physiology, Government College University, Faisalabad |
|  | 3rd International Conference on “Functional Foods and Nutraceuticals” | 4-5th Dec 2013 | Department of Food Science, Nutrition and Home Economics, GC University, Faisalabad |
|  | 1st International Conference on Applied Chemical, Biological and Aquatic Sciences | 18-20 Feb 2014 | Department of Applied Chemistry & Biochemistry, Department of Bioinformatics and Biotechnology, Department of Zoology, Wildlife & Fisheries, GC University, Faisalabad |
|  | 34th Pakistan Congress of Zoology (International) | 25-27 Feb 2014 | Bahauddin Zakariya University, Multan, Pakistan |
|  | 1st National Paleontology Seminar | 4-5 Dec 2014 | Department of Zoology, Wildlife & Fisheries, GC University, Faisalabad |
|  | 35th Pakistan Congress of Zoology (International) | 1-4th Mar 2015 | Centre of Excellence in Marine Biology, University of Karachi, Karachi |
|  | Seminar on Biodiversity offsetting for Reservoir Fisheries | 2nd April 2015 | Department of Punjab Fisheries, Chashma Lake, District Mianwali |
|  | Two days 2nd National Paleontology Seminar | 3-4 Dec 2015 | Department of Zoology, GC University, Faisalabad |
|  | Two Days International Seminar and Workshop on Fish Farming Practices in Punjab, Pakistan | 15-16 Dec 2015 | Department of Zoology, GC University, Faisalabad |
|  | 5th International Fisheries Symposium “Fisheries, Trade and Investment Opportunities” | 24- 25th Feb 2016 | Department of Fisheries, Punjab, Pakistan |
|  | International Conference on “Major Environmental Constraints to Plants: Assessment and Reclamations” | 28-30 Mar 2016 | Department of Botany, GC University, Faisalabad |
|  | One day seminar on “ Climate warning impacts on Fish Biodiversity” | 26th April 2016 | Fish Biodiversity Hatchery, Chashma Lake, District Mianwali, Department of Punjab Fisheries, |
|  | 3rd international conference on Global Environmental changes | 21-22 march, 2016 | Department of Environmental Sciences and Engineering, GC University, Faisalabad |
|  | International Seminar on recent trends and techniques to evaluate aquatic toxicity | 21 Dec 2016 | Department of Zoology, GC University, Faisalabad |
|  | Two days 3rd National Paleontology Seminar | 3-4 Dec 2016 | Department of Zoology, GC University, Faisalabad |
|  | One day “International seminar on recent trends and techniques to evaluate aquatic toxicity” | 21 Dec 2016 | Department of Zoology, GC University, Faisalabad |
|  | 37th Pakistan Congress of Zoology (International) | 28th Feb-2nd Mar 2017 | Department of Zoology, GC University, Faisalabad |
|  | 6th International Fisheries Symposium and Expo “Innovative and Sustainable Aquaculture for Blue Revolution” | 8- 9th Feb 2017 | Department of Fisheries & Aquaculture UVAS, Lahore |
|  | 1st international conference on emerging trends in zoology (1st ICETZ 2017) | 8-9 Dec 2017 | Department of Zoology, University of Sargodha, Sargodha |

**DUTIES/ SERVICES During study period**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Arranged Annual dinner 2013 ceremony | 28 April, 2013 | Department of Zoology, GC University, Faisalabad |
|  | Arranged Annual dinner 2014 ceremony | 15 April, 2014 | Department of Zoology, GC University, Faisalabad |
|  | Arranged Annual dinner 2015 ceremony | 18 May, 2015 | Department of Zoology, GC University, Faisalabad |
|  | National Seminar on Nano-Material for optoelectronic Applications | 3 June, 2015 | Department of Physics, GC University, Faisalabad |
|  | Organized World International Fisheries Day | 21st Nov 2015 | Department of Zoology, GC University, Faisalabad |
|  | Arranged Annual dinner 2016 ceremony | 12 May, 2016 | Department of Zoology, GC University, Faisalabad |
|  | Organized World International Fisheries Day | 21st Nov 2016 | Department of Zoology, GC University, Faisalabad |
|  | Member of arrangement committee International Zoological Congress GUCF 2017 | 28th Feb-2nd March 2017 | Department of Zoology, GC University, Faisalabad |

DUTIES/ SERVICES

|  |  |  |  |
| --- | --- | --- | --- |
|  | Examination in-charge Department of Zoology DSNT | April 2018 to till now | Department of Zoology, DSNT, University of Education Lahore. |
|  | Member of Implementation of Internal/Self-review on MS program of University of Education Lahore | July 2018 | University of Education Lahore |
|  | Boys Hostel Superintendent | 5th November 2018 to till now | University of Education Lahore |
|  | Convener football committee male in Intra Campus sports 2019 | 13-16 February 2019 | Division of Science and Technology University of Education Lahore |
|  | Member of inter campus sports competition | March 2019 | University of Education Lahore |
|  | Member of Organizing committee of 2nd International Conference on Quality Assurance in Higher Education | 23-25 April 2019 | University of Education Lahore |
|  | Member of MS Zoology Admission Committee | Fall 2018  Fall 2019 | Division of Science and Technology University of Education Lahore |

PROFESSIONAL SKILLS

* Have skills in operating UV/VIS Spectrophotometer UV 2001
* In operating Extruder machine for making floating pellets in fish diets
* Micro Kjeldahl Apparatus
* Soxtec HT2 1045 System
* Oxygen Bomb Calorimeter

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

* The Zoological Society, GCUF
* Zoological Society of Pakistan
* Zoological Society, UAF, Pakistan
* Fisheries Society Pakistan
* Zoological Society, UVAS, Lahore, Pakistan

REFERENCES:

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