

# Dr. Danish Riaz

S/O Muhammad Riaz

(Ph.D. Zoology)

- ❖ *HEC-Approved Supervisor*
- ❖ *Associate fellow Higher Education, UK*
- ❖ *Serving as Assistant Professor (Zoology),  
University of Education, Lahore, Pakistan*

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## **BIOGRAPHY:**

I am a **Dr. Danish Riaz** and joined as Assistant Professor in Division of Science and Technology, the University of Education, Lahore Pakistan. I received PhD in Zoology from Government College University Faisalabad, Pakistan. I have more than 10 years professional work and research experience in Government and private sectors as Assistant Director Fisheries, Assistant Professor and lecturer. I have published a numbers research articles in Nation and International Impact factor and HEC-recognized peer reviewed journals. I have received acknowledgement letter from Director Aqua Punjab Fisheries Department for remarkable performance in **Punjab Fisheries Department**. I qualified and secured a good position in *National Faculty Development Program 2020* under supervision of Mentor, through the platform of National Academy of Higher Education (NAHE) of *Higher Education Commission (HEC)*, Pakistan. Six lactic acid bacterial strains sequence submitted in Gene bank of *NCBI (National Center for Biotechnology Information, USA)* as First Scientist. I presented and submitted research abstracts and E-poster published in booklets of National and International conferences/workshops. Being a Zoologist, to expanding my professional horizon, potentials and efforts to promote eco-friendly aquaculture and fish nutrition industry as (SDG 14). My research interests are to improve the apparent nutrient digestibility of plant byproduct ingredients through the inclusion of probiotics. Preparation of cost effective fish feed by optimizing the levels of probiotics for environment friendly aquaculture.

### **Areas of Research:**

**Aquaculture & Fisheries, Biotechnology, Zoology**

## **EDUCATION:**

### **Ph.D. Zoology, 2018. (1<sup>st</sup> Division)**

Department of Zoology, Government College University, Faisalabad, Pakistan

**Title:** “Efficacy of probiotics supplementation on growth, carcass composition and nutrient digestibility of Indian major carp fingerlings fed oilseeds by-products based diets”

### **M. Phil. Biotechnology, 2014. (1<sup>st</sup> Division)**

Department of Bioinformatics and Biotechnology, Government College University, Faisalabad, Pakistan

### **BS Zoology, 2012. (1<sup>st</sup> Division)**

Department of Zoology, Government College University, Faisalabad, Pakistan

## **WORK EXPERIENCE:**

- Currently serving as **Assistant Professor** (Zoology) at **University of Education, Lahore, Faisalabad Campus** from 26-11-2021 up to date.
- Served as **IPFP fellow** (Zoology) at **University of Education, Lahore, Faisalabad Campus** from 21-09-2020 to 25-11-2021
- Served as **Assistant Professor** in **Punjab Group of College** at Faisalabad from 01-10-2019 to 01-10-2020
- Served as **lecturer** in **Punjab Group of college** at Faisalabad from 01-02-2018 to 30-09-2019
- Served as **Lecturer** for Master classes from 01-10-2017 to 04-10-2018 in **Govt. Postgraduate College Samanabad Faisalabad**
- Worked **Lecturer** for Master classes from 04-09-2016 to 28-09-2017 in **Govt. Postgraduate College Samanabad Faisalabad**
- Served as **Assistant Director Fisheries, Punjab Fisheries Department** from 15-2-16 to 31-8-16.
- Served Two years as **C.T.I (LECTURER)** for Intermediate & BS Zoology (Master Classes) Classes from 01-09-2013 to 17-10-2015 in **Govt. Postgraduate College Samanabad Faisalabad.**

## PROJECTS:

### 1<sup>st</sup> Research Project

**Title:** Effect of probiotics based diet on growth, antioxidant, heamatology & Nutrient Digestibility of *Oreochromis niloticus*.

*SRGP HEC project worth **1 million** won from HEC at University of Education, Faisalabad Campus*

### 2<sup>nd</sup> Research Project

**Title:** The development of micro-economic cost effective fish industry at Pakistan.

I have also **2<sup>nd</sup> research project** proposal has submitted for Social Transformation and Advancement' (RASTA) under the Public Sector Development Program (PSDP) of the Ministry of Plannings, Development and Special Initiatives, the Government of Pakistan. This Project is collaborative imitative of University of Education, Punjab fisheries Department and Government Postgraduate college Faisalabad with proposed estimated cost **3988160 /- PKR.**

## TRAINING SESSIONS

- Qualified the **National Faculty Development Program 2020** at National Academy of **Higher Education Commission HEC Pakistan** from 1-07-2020 to 30-07-2020.
- Qualified the Fundamentals of Project Management Training with **score 96.4%** at National Academy of Higher Education Commission HEC Pakistan 2020.
- Qualified the Diploma of Clinical Biochemistry in Agriculture University Faisalabad

## ACKNOWLEDGEMENTS AWARDS

- Achieved a certified status of the **Associate Fellow (AFHEA) at Higher Education, Uk.**
- A letter of award as an **HEC Approved PhD Supervisor** in the discipline of Biological Sciences, for a period of three (03) years from Higher Education Commission Pakistan
- A Letters of acknowledgement from **Govt. of Punjab Fisheries Department** as seminar Organizer
- A Letters of acknowledgement from **HEC assigned Mentor** as IPFP fellow in UE Faisalabad Campus

## EVENT/SEMINAR ORGANIZER HONORS AND AWARDS

- One-day International Seminar (Physical Mode) on “Molecular Dynamics of Bone Development” to be held on June 22nd 2022
- One Day International seminar on role of syringes in Nanotechnology on 04 July 2022
- A National seminar/ Training workshop conducted on “Statistics for Science- Application of R-studio” (01-06-2022)
- One-day Seminar/Project Exhibition on “Promotion of Aquaculture” on 20 July 2022

- One Day Seminar on “How to published in High Impact Factor” on 24 June 2022

**AS PARTICIPANT IN NATIONAL & INTERNATIONAL CONFERENCE**

- As representative Member from Pakistan in International Training on “A Panorama of Affordable Innovative Technologies and Solutions for Rural Development” From 22 March to 01 April 2020 at Virtual platform of **AFRICAN-ASIAN RURAL DEVELOPMENT ORGANIZATION (AARDO) New Delhi, India**
- As Representative member from Pakistan in international Training workshop organized by **ICESO Kingdom Morocco, Rabat** on 14-15 December 2020
- As Oral Presenter in International conference on Applied Zoology 2020 at Quid-Azam University Islamabad
- As Poster-Presenter in **1<sup>st</sup> International Industrial Chemistry from Feb 26-28<sup>th</sup>, 2021 at University of Engineering & Technology, Karachi**
- An active certified participant in COVID-19 Pandemic And Role Of Microbiologist Organized by **American Society for Microbiology**
- An active certified participant in International Fisheries Day on 21 November organized by University of Education, Lahore
- Certificate of Diploma of Clinical Biochemistry in Agriculture University Faisalabad.
- Certificate of “ Training workshop on Wetland Management 2012 from G.C University Faisalabad
- Certificate of “ Fisheries Department Punjab Conference at Chama Lake district Mianwali
- Certificate of “Fisheries Conference From G.C University, Faisalabad
- Seminar Organizer of Govt. Punjab Fisheries Department
- Merit Laptop from Govt. of Punjab PK.
- Internee of Govt. of Punjab PK

**Publication accession**

(As first Scientist Author)

Six lactic acid bacterial strains sequence submitted in **Gene bank of NCBI (National center for biotechnology information, USA)** as First Scientist Author with given Accession numbers assigned.

Isolated code	Identification	Accession No.
1. RIMB4	<i>Staphylococcus</i> sp.	KP126903
2. RIL10ii	<i>Weissella</i> sp.	KP126905
3. RGMB2	<i>Bacillus</i> sp.	KP126907
4. RGL6i	<i>Staphylococcus huminis</i>	KP126901
5 CILB2	<i>Enterococcus faecalis</i>	KP126902
6. CGMB 5	Uncultured bacterium clone nck310c02c1	KP126906

**MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

- Member of American Society for Microbiology, America
- In-charge The Zoological Society, Government College Samanabad, Faisalabad
- X-General Secretary of the Zoological Society Government College Faisalabad

**PUBLICATIONS:****Published Papers**

1. Khalid, H., Kashif Zahoor, M., **Riaz, D.**, Arshad, M., Yaqoob, R., & Ranian, K. (2022). Sewage sludge induced effect on growth, enzyme inhibition and the genotoxicity can be ameliorated using wheat straw and biochar in *Pheretima posthuma* earthworms. *Frontiers in Environmental Science*, 633.
2. Ahmad, N., Hussain, S.M., Azam, S.M., Shahzad, M.M., Noureen, A., Yaqoob, R., Lateef, M., Yawer, A., **Riaz, D.**, Usman, A. and Faizan, M., 2022. 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*, 84.
3. Khalid, M. A., Hussain, S. M., Hussain, A. I., Asrar, M., Amjad, M., **Riaz, D.**, & Arsalan, M. Z. U. H. (2022). Effect of lycopene supplementation on nutrient utilization, hematology, antioxidant status and growth performance of *Labeo rohita* fingerlings fed canola meal-based diet. *Pakistan journal of agricultural sciences*, 59(5), 877-883.
4. Hussain, S. M., Ahmad, N., Shahzad, M. M., Javid, A., Aslam, N., Hussain, M & **Riaz, D.** (2020). Efficacy of phytase enzyme and citric acid on growth performance, nutrients and mineral digestibility of *Cirrhinus mrigala* fingerlings fed guar meal-based diet. *Iranian Journal of Fisheries Sciences*, 19(3), 1573-1588.
5. **Riaz, D.**, Hussain, S. M., Sultana, T., Sultana, S., (2018). Mineral digestibility of *Labeo rohita* fingerlings fed on *Moringa oleifera* seed meal based diets supplemented with probiotics. *International Journal of Biosciences*.13(1), 106-117. <http://dx.doi.org/10.12692/ijb/13.1.106-117>
2. Hussain, S. M., Riaz, D. Ahmad, N., Shahzad, M. M., Javid, A., Aslam, N.& Hussain, M.. (2020). Efficacy of phytase enzyme and citric acid on growth performance, nutrients and mineral digestibility of *Cirrhinus mrigala* fingerlings fed guar meal-based diet. *Iranian Journal of Fisheries Sciences*, 19(3), 1573-1588.
3. Shahid, M., Hussain, B., **Riaz, D.**, Khurshid, M., Ismail, M., & Tariq, M. (2017). Identification and partial characterization of potential probiotic lactic acid bacteria in

- freshwater *Labeo rohita* and *Cirrhinus mrigala*. *Aquaculture research*, 48(4), 1688-1698.
4. Hussain, S. M., Ahmad, N., Shahzad, M. M., Javid, A., Aslam, N., Hussain, M., & **Riaz, D.** (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 Journal of Fisheries Sciences*. DOI: 10.22092/ijfs.2018.117462
  5. Hussain, S. M., Hameed, T., Afzal, M., Mubarik, M. S., Asrar, M., Shah, S. Z. H., **Riaz, D.**, & Amber, F. (2014). Effects of phytase supplementation on mineral digestibility in *Cirrhinus mrigala* fingerlings fed on sunflower meal-based diets. *International Journal of Biosciences*, 5(12), 173-181. (ISI IF 0.524)
  6. Hussain, S. M., Shahzad, M. M., Afzal, M., Jabeen, F., Nasir, S., Javid, A., & **Riaz, D.** (2014). Growth performance and nutrient digestibility of *Cirrhinus mrigala* fingerlings fed on soybean meal-based diet supplemented by phytase. *International Journal of Biosciences*, 5, 212-221. (ISI IF 0.553)
  7. Hussain, S. M., Nisar, A., Farhat, J., Arshad, J., Nosheen, A., Majid, H., **Riaz, D.**, & Shahzad, M. M. (2015). Effects of citric acid and phytase supplementation on nutrient digestibility and growth performance of *Cirrhinus mrigala* fingerlings fed on corn gluten (30%) meal based diets. *International Journal of Biosciences*, 6(7), 82-91. (ISI IF 0.459)
  8. Hussain, S. M., Shahzad, M. M., Afzal, M., Javid, A., Mubarik, M. S., Shah, S. Z. H., & **Riaz, D.** (2015). Efficacy of phytase enzyme for increasing mineral digestibility of *Cirrhinus mrigala* fingerlings fed on soybean meal-based diet. *Pakistan Journal of Zoology*, 47(6), 1807-1816. (IF 0.404).
  9. Hussain, S. M., Ahmad, S., Shahzad, M. M., Arsalan, M. Z. H., Ahmad, N., **Riaz, D.**, & Ahmed, A. W. (2016). Mineral digestibility of *Labeo rohita* fingerlings fed on cottonseed meal based diets supplemented with citric acid and phytase enzyme. *International Journal of Biosciences*, 8(2), 25-35. (ISI IF 0.459).
  10. Shahzad, M.M., S.M. Hussain., F. Jabeen., A.I. Hussain., M.Z. Arsalan., N. Ahmad., M.M. Rehan, and **Riaz, D.**, 2016. Carcass composition and hematological study of *Catla catla* fingerlings fed on phytase supplemented *Moringa oleifera* leaf meal (MOLM) based diet. *Journal of Biological and Environmental Sciences*. 9, 57-68.
  11. Arsalan, M. Z. H., Hussain, S. M., Asrar, M., Anwar, H., Rehan, M. M. H., Shahzad, M., **Riaz, D.**, & Wahab, N. (2016). Effects of *Moringa oleifera* leaf meal (MOLM) based diets on carcass composition and hematology of *Labeo rohita* fingerlings. *Journal of Biological and Environmental Sciences*. 9, 214-223.
  12. Asrar, M., S. M. Hussain., S. Tabassum, A.I. Hussain., N. Aslam., M. Arshad., M.M. Shahzad., M. Hussain., M. Z. Arsalan., **Riaz, D.**, 2016. Effect of citric acid

supplementation on growth parameters of *Cirrhinus mrigala* fingerlings fed canola meal based test diets. *Journal of Biological and Environmental Sciences*.9: 381389.

13. Arsalan, M. Z. H., Hussain, S. M., Asrar, M., Anwar, H., Rehan, M. M. H., Shahzad, M. M., **Riaz, D.**, & Wahab, N. (2016). Effects of *Moringa oleifera* leaf meal (MOLM) based diets on carcass composition and hematology of *Labeo rohita* fingerlings. *Journal of Biological and Environmental Sciences*. 9, 214-223. **(0.491 IF)**.

## REFERENCES:

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