

Hafiz Shahryar

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🏠 Lahore, Pakistan

Research interests in, fish diseases, climate changes effects on bacterial diseases, aquaculture health management, fish genomics, cage fish farming, environmental modelling, sustainable aquaculture technologies, fish welfare and fish conservation.

Education

- Sep 2022 - present **University of St Andrews, Scotland UK – MSc Sustainable Aquaculture**
- Relevant modules: Fisheries and Aquaculture; Biology for Aquaculture; Health and Diseases; Nutrition for Aquaculture; Recirculating Aquaculture systems; Larval Rearing
 - Developed proficiency in scientific report writing, scientific review and critical evaluation
 - Developed skills in production modelling and environmental modelling
- Feb 2019- Jun 2021 **Quaid-i-Azam University, Islamabad – M.Phil. Zoology (Fisheries and Aquaculture)**
- Completed with 3.6 CGPA out of 4 (76%)
 - Relevant modules: Aquaculture; Limnology; Fish Nutrition; Fish Health Management; Research Planning and Scientific Writing; Biosafety and Biosecurity; Genomics; Advances in Cell Biology
 - Dissertation: Effect of stocking density on the expression of growth and digestive enzyme related genes of GIFT (*Oreochromis niloticus*) reared under Biofloc system
 - Developed expertise in RNA extraction and RT-PCR
- Sep 2016 - Dec 2018 **Department of Zoology, University of Punjab, Lahore – MSc Zoology**
- Completed with first division
 - Relevant modules: Fish Physiology; Ichthyology; Biochemistry; Applied Fisheries; Cell and Molecular Biology; Genetics; Wildlife

Work Experience

- Mar 2022 – Present **Punjab Fisheries Department – Assistant Director Fisheries**
- Responsible for the establishment of fish disease diagnostic mobile health lab
 - Developed expertise in fish disease diagnosis through practical laboratory work
 - Developed skills in water quality analysis skills
 - Developed expertise in cage, biofloc, and land-based fish farming
 - Developed expertise in data analysis and scientific report writing
 - Developed expertise in project management
- Oct 2020 – Mar 2022 **Punjab Fisheries Department – Fisheries Research Assistant**
- Responsible for Golden Mahseer conservation and welfare
 - Responsible for Golden Mahseer, Indian and Chinese major carps breeding
 - Developed expertise in larval rearing, hatchery and fishpond management

Awards and Honors

- 2022 **Commonwealth Distance Learning Scholarship**
- Awarded to study MSc sustainable aquaculture (distance learning) at University of St Andrews Scotland, UK
- 2019 **M.Phil. Fellowship**

- Awarded to study M.Phil. at Quaid-i-Azam University Islamabad

Trainings and Workshops

14 Sep - 28 Sep 2022 **Fisheries Development Board, Islamabad**

- Fifteen days training in cage fish farming

02 Nov - 27 Nov 2020: **Fisheries Research & Training Institute Complex, Lahore, Pakistan**

- One month training in Fisheries and aquaculture

02 Feb - 03 Feb 2020: **National Agricultural Research Center, Islamabad, Pakistan**

- Two-day hands-on workshop microbial identification based on advanced molecular techniques

26 Jul - 28 Jul 2022: **National Remote Sensing Center of China**

- International training workshops on earth observation for sustainable development in developing countries

Conferences

8 Feb - 9 Feb 2023 **International Fisheries & Aquaculture Conference 2023 University of Punjab, Lahore**

17 Dec - 18 Dec 2019 **Dengue Infection & its Controlling Strategies Quaid-i-Azam University, Islamabad**

18 July 2019 **International Symposium on Global Biodiversity and Health Big Data - COMSTEC**

27 Feb – 01 Mar 2018 **Pakistan Congress of Zoology International- University of Punjab, Lahore**

Online Short Courses

6 weeks, 3 hours per week (2022) **Future Learn**

- Learned how to manage projects
- Learned how to work effectively with relevant institutions
- Learned about sustainable developments goals and global issues

Additional Skills and Interests

Languages: Punjabi (native), Urdu, English

Digital: Proficient in MS Office, social media competency (Facebook, Twitter, Instagram); working knowledge of SPSS and R; Primer designing, Mendeley