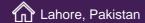
# Hafiz Shahryar



🏗 923024518246 💍 Linkedln: /Hafiz Shahryar 🏻 🖍 Lahore, Pakistan



Research interests in, fish diseases, climate changes effects on bacterial diseases, aquaculture health management, fish genomics, cage fish farming, environmental modelling, sustainable aguaculture 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

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 Nov2020: 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