

## *Asma Aziz*



House No 228-P  
Street No.3, Punj Peer  
Jhang Road Faisalabad  
Punjab, Pakistan.

### **Objectives**

I am keen to embark on a career where I can serve the humanity and can earn a name, respectable and moreover valuable. Qualified for a challenging and decision making assignments.

### **Personal Information**

**Father's Name:** Abdul Aziz

**I. D. Card No:** 33100-3649273-2

**Marital Status:** Single

**Nationality:** Pakistani

**Religion:** Islam

**Area of interest:** Genetics, Molecular Biology, Human molecular Genetics, Fisheries, Histology, Animal Sciences, Cell Biology, Microbial Genetics, Medical Parasitology, Toxicology and Environmental Pollution.

### **Academic Profile**

| Degree   | Year             | Discipline                       | Institute                                 |
|----------|------------------|----------------------------------|---|
| PhD      | Thesis Submitted | Zoology (Fisheries)              | Government College University, Faisalabad |
| M. Phil. | 2011             | Zoology (Fisheries)              | Government College University, Faisalabad |
| M.Sc.    | 2004             | Zoology                          | Punjab University                         |
| B. Sc    | 2002             | Zoology, Botany<br>and Chemistry | Punjab University                         |
| F. Sc.   | 2000             | Pre Medical                      | BISE Faisalabad                           |
| Matric   | 1997             | Science                          | BISE Faisalabad                           |

### **Thesis/Research Titles**

**Ph.D** Genetic Analysis in different riverine population of carnivorous fish species (*Sperata*

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|---------|---|
| M.Phil. | <i>sarwari</i> ) in the Punjab, Pakistan.<br>Effect of heavy metal on oxidant, antioxidant and histology of liver of three major carps ( <i>Catla catla</i> , <i>Labeo rohita</i> and <i>Cirrina mrigala</i> ) in the River Chenab Punjab, Pakistan |
| M.Sc.   | Study on freshwater aqua culture (Report)   |

## **Additional Qualification**

Diploma in Office management from FIRST, Faisalabad (2010).

## **Technical Expertise**

- ✧ Spectrophotometer
- ✧ Atomic Absorption Spectrophotometry (AAS)
- ✧ Histology
- ✧ Ultra Centrifugation
- ✧ Stereoscopy
- ✧ DNA/ RNA Isolation
- ✧ PCR

## **Computing Skill**

- ✧ Microsoft office
- ✧ SPSS
- ✧ Statix v. 8.1
- ✧ Minitab
- ✧ NCBI Blast

## **Experience**

1. **Assistant Professor and Vice Principal** at Faisalabad Institute of research science and technology (FIRST), Jhang road, Faisalabad since 2009 to 2015.
2. **Internal Examiner, Paper Setter and Paper Assessor** in the subject of Animal Sciences, Cell Biology, Molecular Biology, Microbial Genetics and Bioinformatics at Faisalabad Institute of Research Science & Technology affiliated with University of Health Sciences.
3. **Research Supervisor** for final year students of B.Sc (Hons.) Biotechnology

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## **Member Professional Societies**

- Member of Bioethical Committee FIRST, Faisalabad.
- Member of Zoological Society GCUF, Faisalabad.

## **Conferences/ Workshops Attended**

- Participation in workshop conducting on “quantitative research methodology” from CMH-Lahore (2014).
- Participation in training workshop conducting on “Institutional Bioethics Committee” from UHS Lahore (2014).
- Participation in 2<sup>nd</sup> international Students Conference on “Biological Sciences” from NIBGE (2015).
- Participation in “Two days International Seminar and workshop on Fish farming Practices in Punjab, Pakistan” from GCUF Faisalabad (2015).
- Participation in international Conference on “Zoology” from GCUF (2016).
- Participation in five days training workshop on “Development of Professional Skill” from Akhuwat College Lahore (2016).
- Participation in “1<sup>st</sup> International Conference on Advancement in Biotechnology” as organizer at Akhuwat Faisalabad Institute of Research Science and Technology and GCUWF, Faisalabad (2016).
- Participation in One day hands on training on ” HPLC and PCR as organizer at Akhuwat Faisalabad Institute of Research Science and Technology (2016).
- Participation in International Seminar on Recent Trends and Techniques to Evaluate Aqua Toxicology” from GCUF, Faisalabad (2016).
- Participation in 3 days training workshop on “Development of Professional Skill” from Akhuwat FIRST Faisalabad (2017).

## **Publications**

- Asma Aziz, Farhat Jabeen and Tayybah Shaheen (2012). Effect of Heavy Metals on Freshwater Fish Inhabiting the River Chenab. Proceedings of the 32<sup>nd</sup> Pakistan Congress of Zoology (6-8 March, 2012), 62.
- Asma Aziz, Farhat Jabeen, Inayat Ullah, Zahid Sharif Mirza (2018). Color variation in *Sperata sarwari* population inhabited in Indus drainage system. *International Journal of Biosciences (IJB)*. Vol. 12(6). 235-244.

## *Asma Aziz*

- Asma Aziz, Farhat Jabeen, Muhammad Nafees, Inayat Ullah, Zahid Sharif Mirza, Evaluation of morphological variations in *Sperata sarwari* population in riverine system of Punjab-Pakistan. (under review process)
- Asma Aziz, Farhat Jabeen, Muhammad Nafees. Genetic analysis of *Sperata sarwari* population fragmented due to Physical barriers in the Indus drainage system of Punjab, Pakistan (under process).

### **Book Chapter**

- Nafees, M., Shafaqat, M., Rizwan, M., Aziz, A. 2018. Impact of nanoparticles on photosynthesis pigments: Present and future prospective. Nanomaterials in Plants Algae and Micro-organisms. (Submitted and soon it will be online)

### **Student Supervised**

15 student of BSc. (Hons) Biotechnology affiliated with University of Health Sciences, Lahore were supervised.

### **References**

- Dr. Farhat Jabeen, Dean of life sciences, Department of Zoology, Govt College University, Faisalabad Pakistan.
- Dr. Tayyaba Sultana, Professor, Department of Zoology, Govt College University, Faisalabad Pakistan.
- Dr. Salma Sultana, Associate Professor, Department of Zoology, Govt College University, Faisalabad Pakistan.
- Dr. Khalid Mehmood Zia, Director ORIC, Department of Applied Chemistry, Govt College University, Faisalabad Pakistan.
- Sh. Muhammad Akram, Ex registrar, University of Agriculture, Faisalabad Pakistan.

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