

Dr. Fatima Sughra

Date of Birth: June 13th, 1979
Place of Birth: Sargodha
Marital Status: Married
Spouse Name: Dr. Muhammad Waseem
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Academic Qualification

Exam	Year	Major Subjects	Scores	Division	Institution
PhD	2021	Zoology	358/480	1 st	University of Veterinary and Animal Sciences (UVAS)
M. Phil	2004	Zoology	641 / 800	1 st	University of Agriculture, Faisalabad
M. Sc	2001	Zoology	746 / 980	1 st	University of Agriculture, Faisalabad
B. Sc	1999	Botany, Zoology, Chem	480 / 800	1 st	Punjab University, Lahore
HSSC	1996	Physics, Chem, Biology	731 / 1100	1 st	BISE, Sargodha
SSC	1994	Physics, Chem, Bio, Math	610 / 850	1 st	BISE, Sargodha

Professional Qualification

Exam	Year	Major Subjects	Scores	Div %	Institution
B. Ed (Science)	2002	Teaching of Biology and General Science	591 / 900	1 st / 66	AIOU, Islamabad
M. Ed (Science)	2005	Teaching of Science Education	760 / 1200	1 st / 63	AIOU, Islamabad

Research Profile

- **PhD Zoology Research Thesis:** Immunogenic Potential of Different Adjuvanted Vaccines of *Aeromonas hydrophila* in Culturable Fish Species of Pakistan

- **M. Phil Zoology Research Thesis:** Response of a Methyltestosterone on the Sex-Reversal and Growth of Tilapia Under Different Days
- **M.Sc Zoology Research Thesis:** Effect of Different Level of Cow Dung on Growth Performance of Major Carps

Experience

1. Served as Secondary School Educator (Science) at Govt. Girls Secondary School, Moazamabad, Sargodha with effect from **24-Nov-2003** till **28-Feb-2005**. Taught all the subjects up to 10th class
2. Presently serving as Lecturer (Biology) in the Division of Science and Technology, University of Education, Township Campus, Lahore since **01-March-2005** to date.

Publications

1. Sughra, F., Ahmed, I., Kanwal, S., and Ateeq, U. "Effect of different level of cow dung on growth performance of major carps". International Journal of Agriculture and Biology, Issue: 1560–8530/2003/05–2–194–195 (2003).
2. Kanwal, S., Ahmed, I., AFZAL, M., Sughra, F., and Abbas, K. "Comparison of fresh and dry cow dung on growth performance of major carps". Issue: 1560–8530/2003/05–3–313–315 (2003).
3. F. Sughra, M. Rahman, F. Abbas, and I. Altaf. "Evaluation of three alum-precipitated *Aeromonas hydrophila* vaccines administered to *Labeo rohita*, *Cirrhinus mrigala* and *Ctenopharyngodon idella*: immunokinetics, immersion challenge and histopathology." Brazilian Journal of Biology 83 (2021).
4. F. Sughra, M. Rehman, F. Abbas, I. Altaf, S. Aslam, A. Ali, M. Khalid, G. Mustafa, and S.M. Azam. "Evaluation of oil-based inactivated vaccine against *Aeromonas hydrophila* administered to *Labeo rohita*, *Cirrhinus mrigala* and *Ctenopharyngodon idella* at different concentrations: Immune response, immersion challenge, growth performance and histopathology." Aquaculture Reports 21: 100885 (2021)
5. M. Mushtaq, S.M. Bukhari, S. Ahmad, A. Khattak, M.B. Chattha, I. Mubeen, K. Ur Rehman, S. Andleeb, S. Hussain, A. Javid, A. Hussain, W. Ali, N. Khalid, G. Mustafa, F. Sughra, M.J. Iqbal, M. Khalid, M.M. Naeem, and M. Inayat. "Isolation and characterization of bacteria residing in the oral, gut, and fecal samples of different pheasant species." Brazilian Journal of Biology 83 (2021).

6. K. Ali, A. Iqbal, S.M. Bukhari, S. Safdar, A. Raiz, W. Ali, A. Hussain, A. Javid, M. Hussain, M.M. Ali, A. Mahmud, M.J. Iqbal, M.F. Nasir, I. Mubeen, S. Kanwal, F. Sughra, A. Khattak, and M. Saleem. "Amelioration potential of *Moringa oleifera* extracts against sodium arsenate induced embryotoxicity and genotoxicity in mouse (*Mus musculus*)." *Brazilian Journal of Biology* 83 (2021).
7. G. Mustafa, A. Iqbal, A. Javid, A. Hussain, S.M. Bukhari, W. Ali, M. Saleem, S.M. Azam, F. Sughra, A. Ali, K. ur Rehman, S. Andleeb, N. Sadiq, S.M. Hussain, A. Ahmad, U. Ahmad. "Variations in nutritional profile of honey produced by various species of genus *Apis*." *Brazilian Journal of Biology* 83 (2021).
8. Kanwal, S., M. Rehman, A. Hussain, M. Nadeem, F. Abbas, M. Akram, M. Inayat, F. Sughra, and K. Ali. "Development of chitosan based microencapsulated spray dried powder of tuna fish oil: oil load impact and oxidative stability." *Brazilian Journal of Biology* 84 (2021).
9. Ali Kashif, Asia Iqbal, Maham Saleem, Ayesha Riaz, Sumaira Abbas, Madeeha Arshad, Javed Iqbal, Muhammad Farhan Nasir, Syed Mohsin Bukhari, Athar Mehmud, Fareeha Amin, Ghulam Dastagir and Fatima Sughra. "Sodium arsenate induced genotoxicity, morphometric and morphological changes in mice embryo and protective role of *Moringa oleifera* extracts." *Pak. J. Pharm. Sci.* Vol 34, No. 3 (2021): 1031-1037.
10. F. Sughra, M. Rehman, F. Abbas, I. Altaf, S. Razzaq, S. Kanwal, M. Inayat, I. Anwer, and M. Akram: Phenotypic Characterization, "Genetic Analysis and Antibiotic Sensitivity of *Aeromonas hydrophila* isolates causing Dropsy in Rohu (*Labeo rohita*) from Punjab, Pakistan". *J. Fish.* Vol 10, Issue 1, (2022)
11. S. Masood, A. Hussain, A. Javid, M. Rashid, S. M. Bukahri, W. Ali, S. Aslam, S. Ali, H. M. A. Amin, I. Ghaffar, A. Imtiaz, A. Masood, H. Salahuddin, F. Sughra, M. S. Sarwar, A. Sharif and K. Aslam. "Fungal conversion of chicken-feather waste into biofortified compost." *Brazilian Journal of Biology.* Vol 83 (2023).
12. Mustafa, G., Iqbal, A., Arshad Javid, W. A., Ahmad, N., Saleem, M., Farooq, M., ... & Sughra, F. (2022). MORPHOLOGICAL AND GENETIC CHARACTERIZATION OF VARIOUS *Apis* SPECIES CAPTURED FROM SELECTED SITES OF PUNJAB. *FEB-FRESENIUS ENVIRONMENTAL BULLETIN*, 11259.
13. Sughra, F., Hafeez-ur-Rehman, M., Abbas, F., Altaf, I., Hassan, Z., Bhatti, A., & Ali, K. (2022). Molecular characterisation and genetic analysis of *aerolysin* and *haemolysin* in *Aeromonas hydrophila* isolated from diseased *Labeo rohita* by polymerase chain reaction. *J Fish*, 10(3), 103402-103402.

Theses Supervised

- 2017, M Phil Zoology, Sadia Noor – University of Education
- 2017, M Phil Zoology, Summer Fatima – University of Education

Carrier Interests

Ichthyology, Fisheries & Aquaculture, Fish Disease Management, Fish immunology
Animal behavior, Cell biology

Technical Skills

- CS. 715 Software Applications-I
- Microsoft Word 2007 / 2010
- Microsoft Power Point 2007
- Microsoft Excel 2007
- Professional and Technical Writing in English

Training and Courses

1. Two weeks Certificate Course of Arts and Craft, Division of Arts and Social Sciences, University of Education (**May 29 – June 9, 2005**)
2. Microsoft Partner in Learning ICT-For All [Basic] curriculum course, Provincial Institute of Teacher Education (**June 22, 2005**)
3. Staff Development Course, National Academy of Higher Education, Higher Education Commission (**November 07 – December 04, 2006**)
4. Staff Development Course, National Academy of Higher Education, Higher Education Commission (**April 23 – May 23, 2007**)
5. Certificate of proficiency in English Language by successfully completing 10 Week Intensive training program (**June 05 – August 16, 2007**)

Language Proficiency

Language	Spoken	Read	Write
English	Fluent	Professional	Professional
Chinese	Basic	--	--
Urdu	Native	Native	Native

Distinctions

- Awarded merit scholarship by Govt. Of Punjab (Education Department) for excellence in studies, conduct and regular attendance
- Awarded scholarship by UGC (University Grants Commission)
- Awarded scholarship under Punjab Benevolent Fund
- Merit certificate awarded by Principal Govt. College for Women, Sargodha for scoring 2nd position in the subject of Chemistry at graduation level
- Women Guard Certificate was awarded by National Cadet Corps (NCC) during 1995-1996
- Certificate of Appreciation in recognition of active and devoted participation in Self-Assessment Program (2013-14), Quality Enhancement Cell, UE