



## FAROOQ AHMAD

### PERSONAL DETAILS

**Nationality** : Pakistani  
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### ACADEMIC CARRIER

#### **M. Phil Zoology (18 Years, 2021-2023)**

Parasitology Lab, Department of Zoology, Abdul Wali Khan University Mardan, Pakistan

**Thesis:** Antibacterial activity of *Canna indica* extract and comparison with standard antibiotics against selected bacteria

#### **BS Zoology (16 Years, 2014-2018)**

Department of Zoology, Abdul Wali Khan University Mardan, Pakistan

**Thesis:** Prevalence of *Fasciola hepatica* in sheep and goats of district Malakand kpk Pak

### RESEARCH INTEREST

- Molecular Biotechnology
- Invitro Fertilization
- CRISPR technology

### PUBLICATIONS

1. Research Article: **Taxonomic identification of ticks found in domestic animals in arid zone area of Khyber Pakhtunkhwa, Pakistan**, BIOSCIENCE RESEARCH, 2022 19(3): 1386-1389
2. Research article: **Anti-inflammatory, antipyretic, and analgesic potentials of chitin and chitosan derived from cockroach (*periplanata Americana*) and termites** (DOI: 10.3390/jfb15030080)
3. Research Article: **antibacterial activity of *canna indica* extract and comparison with standard antibiotics against selected bacteria** (Ready for Submission)

4. Research Article: **Synthesis, Characterization and multifaceted Application of zinc Oxide Nanoparticles from kalanchoe pinnata Leaves** (Ready for Submission)
5. Research Article: **Green synthesis of copper nanoparticles using *Canna indica* leaves extract for Antibacterial, Antioxidant, and Photocatalytic activity and effect on hair growth** (in progress)

## SKILLS

- **Lab work:** Extract Preparation, Bacteria Culturing, well diffusion method, Microscopy, Microtomy, Gram Staining, Antibacterial assay, DNA and RNA extraction, real-time PCR techniques etc.
- **Computer skills:** SPSS, Prism, End Note, Bio Edit, Jmole, NCBI, BioRender, BLAST, Clustal W, Mega, Microsoft Office Word, Excel, PowerPoint etc.
- **Statistical analysis:** One-way ANOVA, Two-way Anova, F-test, T-test etc

## CONFERENCES/WORKSHOPS/SEMINARS/TRAININGS

- “1<sup>st</sup> international conference on recent trend in improving resistance against diseases using molecular and OMICS tools” held on 6,7 Dec 2023, organized by AWKUM in collaboration with Pakistan Science Foundation and HEC.
- 1<sup>ST</sup> international conference ON RECENT approaches in plant science (RAP 2022) on 30-31 March 2022 organized by the Department of Botany, University of Education Lahore.
- International training workshop titled “Hands-on training SPSS” on 06 May 2022 organized by Research Roof academic support, Budhaskade 3, 1031KV Amsterdam 1012 Amsterdam Netherland.
- One-day training workshop “CRISPR Cas9 Genome modification Technology” organized by Collage of Veterinary Sciences, Animal Husbandry and ORIC, Abdula Wali University Mardan, Pk.
- Primer designing using Bioinformatics tools on 08 August 2021 organized by World Forum for young Scientists in association with Biotech scientific brand, Ioncure health care company, and CXAI technology.

## EMPLOYMENT AND EXPERIENCE

- **Trainee:** As a medical technologist at Tehsil headquarters hospital Dargai, kpk, Pk
- **Biology Teacher:** At the Vision Public School Jazono Daag Sakhakot Malakand, Pk, from Nov 2019 to May 2020
- **Emergency Medical Technician:** At Emergency Rescues Services 1122 Kpk from May 16, 2020 till Present

## LANGUAGES

- English
- Urdu
- Pashto

## REFERENCES

**Dr. Sumaira Shams**

Assistant Professor  
Department of Zoology,  
Abdul Wali Khan University Mardan kpk  
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**Dr. Gauher Rahman**

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Department of Zoology,  
Abdul Wali Khan University Mardan kpk  
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**Dr. Imad Khan**

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College of veterinary and animal husbandry  
Abdul Wali Khan University Mardan, Pakistan.  
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