

Dr Farzana

PhD (Biotechnology)
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CAREER OBJECTIVE:

Aspiring for a challenging and responsible position in the field of Molecular Biology (Health sciences, Bioinformatics, Biotechnology, Virology) that would be conducive for my professional growth.

PROFESSIONAL SUMMARY:

- Strong knowledge of molecular biology and highly skilled in molecular techniques including DNA, RNA extraction, PCR, RT-PCR, Microbial Genotyping, Quantification of Nucleic Acids and Proteins, Real-time PCR, Electrophoresis (Protein & DNA), and Databases relating to Bioinformatics, Biotechnology, Computational biology.
- Development of Diagnostic Kits for Viral Pathogens.
- Skilled in using software's related to protein structure, sequence analysis, Protein-Protein Interaction, Promoter Prediction, Cis-acting elements Prediction, Phylogeny
- Skills of writing scientific reports, projects, and research paper.
- Management of Lab and documentation.
- Data recording and interpretation.

EDUCATION: ▼

Academic

Education Level	Board/University	Percentage marks
PhD (Biotechnology)	Abdul Wali Khan University Mardan	1st
M. Phil (Biotechnology)	Institute of Biotechnology and Genetic Engineering, The UOA Peshawar	1st
B.S	International Islamic University, Islamabad	1st

CONFERENCES/SEMINARS:

- Attended 5-days capacity building training on the **Climate Action Education Curriculum & Digital Learning Portal** held on 8th-12th December 2025
- Organizer of International conference on “**The Future Reimagined: Innovation through Science, Social Science & Global Collaboration**” held on 10-12th Feb
- Successfully completed 15 days **National Faculty Development Program** awarded by **National Academy of Higher Education (NAHE)** at **HEC Islamabad** held on 01-16 Aug 2023.
- Organizing 5 days’ workshop on **Hands on Training on Molecular Techniques** in Women University Mardan
- Organizer of admission Expo at shiraz arena Peshawar Sept 20205.
- Attended one-day seminar on **Role of Ecotourism in Sustainable Development** held on 10TH May 2023.
- Attended 18 days training of **Faculty Development Program** by HEC held in Women University Mardan.
- Oral presentation in **first International Conference on Recent Updates in Biotechnology** organized by department of Biotechnology, Abdul Wali Khan University Mardan (AWKUM) held on 16-18 Oct 2019.
- Attended **first International Conference on Advances in Drug Discovery and Development (ICAD3)** organized by department of biochemistry, Abdul Wali Khan University Mardan (AWKUM) held on 3-5 Jan 2018.
- Attended **fourth International Conference on Biological and Computer Science** on Dec 17, 2016 at Capital University of Science and Technology.
- Attended a 5 days’ **workshop on Bio Risk Management** arranged by Relief International at AWKUM (Oct 25-28 2016)
- Organized and conducted a seminar on Bioinformatics Endeavours at IIUI on May 26 2009 at Women Campus International Islamic University Islamabad.

RESEARCH EXPERIENCE:

Worked as a major resource person in the following projects ▼

- **Development of reliable and efficient diagnostic kits for the genotypes of Hepatitis C virus prevalent in Khyber Pakhtunkhwa.**
 - **Project No:** Dirc: S&T/KP/PRS/FINANCIAL ASSISTANCE/2011-12.
 - **Funding Source:** Directorate of Science and Technology, KPK.

Experience:

- Working as a Lecturer in Department of Biotechnology Women University Mardan till date
- Deputy director admission (Additional charge- till now)
- Focal person of Prime Minister Laptop Scheme
- Focal Person of Prime Minister Green Youth Movement
- Assistant Professor Department of Biochemistry Women University.

PUBLICATIONS:

- Nain Taara Bukhari, Talha Ahmad, Ali Raza, Kinza Aleem, Muhammad Dawood, Iqbal Nisa, **Farzana***, Tanveer Tara. **ROLE OF CLINICAL MICROBIOLOGY IN DIAGNOSING FUNGAL BLOODSTREAM INFECTIONS AMONG CANCER CHEMOTHERAPY PATIENTS.** *Frontier in Medical & Health Research* 2025. 225-236
- Ayesha Bibi, Yamin Rashid, Nawaz Samoo, Farrah shams, Khan Niaz Khan, **Farzana**, Mohamed Y. Omara, Fatima Asmat. **Prevalence And Associated Risk Factors For Osteoporosis In Adults.** *Journal of Xi'an Shiyu University, Natural Science Edition.* 2023. 534-543
- **Farzana***, Ahmad A, Ali I. **Molecular Epidemiology of Hepatitis B Virus (HBV) Genotypes Prevalent in KP.** *Biosci Biotech Res Asia* 2020:17(4).
- **Farzana***, Ayaz Ahmad, Shaila Mehwish, Irum Khalil. **Circulation of HBV Strains Among Hepatitis B Chronic Patients in District Mardan of Khyber Pakhtunkhwa, Pakistan.** *National Journal of Biological Sciences.* 3(1)
- **Farzana***, Saba Kausar, Ayaz Ahmad & Shaila Mehwish. **Molecular prevalence of Hepatitis B virus (HBV) genotypes in Peshawar.** *National journal of biological sciences.*
- Ibrar Alam, Ijaz Ali, Sajid Ali, Iftikhar Alam, **Farzana** and Zeeshan Naseem. **Impact of Combination Interferon Therapy on the Body Weight, Body Fat and Lean Body Mass of Chronic HCV Infected Patients.** *J Antivir Antiretrovir*
- Abida Arshad, Habib Ullah Khan, **Farzana**, Mehwish Saba Aslam, Tayyab Rehman, Muhammad Arshad, Muhammad Saad Ahmed, Ijaz Ali and Ahmad Ur Rehman Saljoqi. **Seropositivity and Active HCV Infection in Patients from Peshawar Division of Khyber Pakhtunkhwa Province, Pakistan.** *Pakistan J. Zool.*, vol. 45(6), pp. 1579-1584,
- Jalal ud din Baloch, Munir M, Shaheen S, **Farzana**. **Manipulation of plant growth regulators and non-inductive plant environment to control plant height of facultative short day ornamental annuals.** *Pak Journal of Botany.* 45(5): 1589-1595,
- Amjad Ali, Zeeshan Nasim, Rafi Ur Rehman, **Farzana**, Sajid Ali, Fazli Zahir, Aqib Iqbal, Ijaz Ali, Abdul Waheed Khan. **Dengue virus serotype 2 and 3 causing high morbidity and mortality in Swat, Pakistan.** *Biohelikon: Immunity and Diseases*, Vol 1, a6.
- Abida Arshad, Muhammad Arshad, Ruqiya Pervaiz, **Farzana**, Aqeel Javed, Naeem ud Din Ahmad, Ijaz Ali, Ahmad Ur Rehman Saljoqi. **“Prevalance of active hepatitis-c infection in the general population of district mardan, Khyber Pakhtunkhwa, Pakistan”.** *Journal of Public Health and Biological Sciences.* Vol. 1, No. 1 Jan – Mar, p.3-8
- Ruqiya Pervaiz, Ijaz Ali, Sajid Ali, Najib ur Rehman, **Farzana**, Riaz Muhammad, Ahmad ur Rehman Saljoqi, Musharaf Ahmad. **“Increasing resistance to combination therapy among the chronic HCV 3a infected patients in KPK”.** *Life Science Journal*;10(12s).

COMPUTER SKILLS:

- Microsoft office
- Microsoft XP
- Operating System (DOS, WINDOWS)

Curriculum vitae

- SPSS

MEMBERSHIP:

- Society for Awareness, Prevention and Control of Infectious Diseases.
- National Academy of Young Scientists.

REFERENCES:

Dr. Ayaz Ahmad

Professor

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