

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) 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	3.83 CGPA
M. Phil (Biotechnology)	Institute of Biotechnology and Genetic Engineering, The UOA Peshawar	87%
B.S	International Islamic University, Islamabad	70.67%

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:** Direct: S&T/KP/PRS/FINANCIAL ASSISTANCE/2011-12.
 - **Funding Source:** Directorate of Science and Technology, KPK.
- **Development of a diagnostic Kit for the Genotyping of Dengue virus.**
 - **Project No:** Direct: S&T/KP/PRS/FINANCIAL ASSISTANCE/2011-12/2.
 - **Funding Source:** Directorate of Science and Technology, KPK.
- **Development of an RFLP pattern for the differentiation of HCV Genotypes.**

CONFERENCES/SEMINARS:

- Attended 15 days Faculty Development Program at HEC held on 2-17 Aug 2023.
- Oral presentation in 1st 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 1st 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 4th 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.

COMPUTER SKILLS:

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

MEMBERSHIP:

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

PUBLICATIONS:

- 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 Shiyou 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). Doi: 10.13005/bbra/2877
- **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)
- Khan, Y., Khan, S. M., ul Haq, I., **Farzana**, F., Abdullah, A., Abbasi, A. M., ... & Shah, H. (2021). **Antioxidant potential in the leaves of grape varieties (Vitis vinifera L.) grown in different soil compositions.** *Arabian Journal of Chemistry*, 14(11), 103412.
- 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* 6: 001-005. doi:10.4172/jaa.1000087.
- 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, 2013
- 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, 2013
- 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*, 2013, 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 2012, 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* 2013;10(12s).

Curriculum vitae

REFERENCES:

Dr. Ayaz Ahmad

Associate professor

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