

● **WORK EXPERIENCE**

01/08/2021 – 30/01/2022 – Islamabad, Pakistan

LAB ASSISTANT – ISLAMABAD MEDICAL CENTER AND LABS

Performed routine tests in Clinical Chemistry and Microbiology Departments.

2020 – 2021 – Islamabad, Pakistan

GRADUATION RESEARCH – COMSATS UNIVERSITY

Detection of Arsenical Resistance (ars) Operons in Drinking Water, Detection of Lead Resistance Genes and Antibiotic Resistance Genes in Drinking Water.

Different parameters, i.e., temperature, electrical conductivity, and PH, were observed. Meanwhile, water was tested for heavy metals such as Pb, Cu, Zn, Cd and for calcium, chloride, nitrate, fluoride, sulfate using APHA protocols. Phenol Chloroform Isoamyl Alcohol PCI (25:24:1) method was used for eDNA extraction. Plasmid DNA was extracted from bacterial culture by an alkaline lysis protocol. Primers were optimized. PCR was performed using Standard Protocols.

● **EDUCATION AND TRAINING**

02/2019 – 09/2021 – Islamabad, Pakistan

MASTER OF SCIENCE IN BIOCHEMISTRY AND MOLECULAR BIOLOGY – Comsats University Islamabad

Advanced Immunology
Advances in Microbiology
Advances in Biochemistry
Advances in Molecular Biology
The Biology of Cancer
Epigenetics
Essentials of Epidemiology

Field(s) of study

- Biochemistry and Molecular Biology

Thesis: Detection of Arsenical Resistance (ars) Operons in Drinking Water

3.42 | www.comsats.edu.pk

09/2014 – 11/2018 – Rawalakot, Pakistan

BACHELOR OF SCIENCE IN CHEMISTRY – University of The Poonch Rawalakot Azad Jammu and Kashmir

Foundation Chemistry
Organic Chemistry
Principles of Animal Life-II
Applied Chemistry
Biochemistry
Physical Chemistry
Molecular Biology
Cell Biology and Bio-signaling
Microbiology and Immunology

Field(s) of study

◦ Chemistry

3.76 | www.upr.edu.pk

03/2010 – 06/2012 – Rawalakot, Pakistan

HIGHER SECONDARY SCHOOL CERTIFICATE – Degree College Rawalakot Poonch

07/2012 – 07/2014 – Rawalakot, Pakistan

SECONDARY SCHOOL CERTIFICATE – Fatima Girls High School Rawalakot, Poonch

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Office | Zoom | Social Media | Skype | Google Docs

● **HOBBIES AND INTERESTS**

Professional Interests

Expert in Handling Lab Apparatus
Doing Lab Work
An Expert in Bioinformatics Tools
To design experimental setups
Discover new materials and analysis methods.

Personal Interests

Badminton and table tennis.
Reading research articles, books
Hiking

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication Skills

Excellent Communication Skills

● **CONFERENCES AND SEMINARS**

05/07/2018 – 06/07/2018 – University of the Poonch Rawalakot Azad Jammu and Kashmir
Recent Advances in Hyphenated and Online Analytical Techniques

Akhtar Hameed Khan Niazi National Commission for Rural Development (NCRD) Islamabad-Pakistan
Water Resource Management-Issues and Way Forward

Attended a five-day training course.

● **LABORATORY SKILLS**

Laboratory Skills

DNA Isolation
Chromatography
Solvent extraction
Spectroscopy (UV, Visible, IR)
Gas analysis
PCR
Plasmid Isolation
Cell Culturing
Cloning

● **RESEARCH INTEREST**

Research Interest

Biochemistry
Molecular biology
Biotechnology
Recombinant DNA Technology
Bioinformatics
Oncology
Genomics, Proteomics