

● WORK EXPERIENCE

2020 - CURRENT - Lahore, Pakistan

RESEARCH STUDENT – UNIVERSITY OF MANAGEMENT AND TECHNOLOGY (UMT)

- Computational analysis of *Nigella sativa* derived phytochemicals against beak and feather disease virus (BFDV)
- Bioinformatics Tools

2014 - 2015 - Lahore, Pakistan

GRADUATION RESEARCH – GOVERNMENT COLLEGE UNIVERSITY (GCU)

Fermentation of industrial products

2013 - 2014 - Lahore, Pakistan

INTERNSHIP – CLINICAL PATHOLOGY LABS, INMOL CANCER HOSPITAL

- Hematologist
- Biochemist
- Microbiologist
- PCR expert

2014 - 2017 - Lahore, Pakistan

LECTURER – RANA ACADEMY OF SCIENCE AND TECHNOLOGY

Teacher of biology, chemistry and biochemistry

2015 - 2019 - Lahore, Pakistan

NATURAL SCIENCES' LECTURER – LAHORE INSTITUTE FOR CIVIL SERVICES (LICS)

- Teaching Natural Sciences (Biology, Chemistry) and applied sciences (Biochemistry)
- Managing Labs

● EDUCATION AND TRAINING

2019 - CURRENT - Johar Town C1 Block, Lahore, Lahore, Pakistan
MS BIOCHEMISTRY – University of Management and Technology (UMT) Lahore

Subjects Included

- Protein Structure and Function Engineering
- Advances in Biochemistry
- Recombinant DNA Technology
- Advanced Enzymology
- Genomics, Proteomics, Metabolomics
- Advances in Fermentation Technology
- Principles of Forensic Science
- Advances in Clinical Biochemistry

Field(s) of study

- Biochemistry

3.69 | Computational analysis of phytochemicals of Nigella sativa against beak and feather disease virus |

<https://www.umt.edu.pk/>

2011 - 2015 - Lower Mall, Lahore, Lahore, Pakistan
BS BIOTECHNOLOGY – Government College University (GCU)

Main Subjects Included

- Basics of Biotechnology
- Fermentation Technology
- Bioremediation
- Food Technology
- Environmental Biotechnology
- Molecular Biology
- Enzymology
- Biochemistry
- Zoology
- Metabolomics
- Recombinant DNA Technology
- Bioinformatics
- Research and skills methodology

Field(s) of study

- Biotechnology

2.80 | Fermentation of industrial products | <https://gcu.edu.pk/>

● LANGUAGE SKILLS

Mother tongue(s): URDU

Other language(s):

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

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

● DIGITAL SKILLS

Chimera ucsf | Auto-Dock vina | BIOVIA Discovery Studio | MEGA-X | Sequence Demarcation Tool | Molecular Docking | Clustal Omega SWISS MODEL Jmol RASMOL and Blast | Microsoft Office | MODELLER | PyMOL

● PUBLICATIONS

Possible Potential Outcomes from COVID-19 Complications on Testes: Lesson from SARS Infection

<https://jcpsp.pk/article-detail/possible-potential-outcomes-from-covid19-complications-on-testes-lesson-from-sars-infection> - 2020

● CONFERENCES AND SEMINARS

Lahore

Conferences

International Conference of industrial biotechnology (2014) by GCU Lahore

● HONOURS AND AWARDS

Merit based awards

- Merit based scholarship award by University of Management and Technology (UMT) Lahore
- Merit based laptop award by Government of Pakistan

● HOBBIES AND INTERESTS

Professional and Personal Interests

Professional Interests

- Doing lab work
- expert in handling lab apparatus
- teaching biochemistry and biotechnology to under-grad students
- Design experimental setups
- Discovering new materials and analysis methods
- Commercialization of scientific research

Personal Interests

- Badminton, cricket
- Reading such as: economy, politics
- Hiking and trekking

● COMMUNICATION AND INTERPERSONAL SKILLS

COMMUNICATION SKILLS

Excellent communication skills

● RESEARCH INTEREST

Research Interest

- Biochemistry
- Protein structure and function engineering
- Recombinant DNA Technology
- Enzymology
- Genomics, Proteomics, Metabolomics
- Fermentation
- Biotechnology
- Bioinformatics

● **JOB RELATED SKILLS**

Job related skills

Good command on laboratory instruments
Good command on biochemistry and biotechnology

● **LABORATORY SKILLS**

Laboratory skills

- DNA Isolation
- Transformation
- Competent Cell preparation
- PAGE
- Cloning
- Plasmid isolation
- Cell culturing
- PCR
- Chromatography

● **REFERENCES**

References

Dr. Muhammad Ali

Assistant professor, university of management and technology (UMT) Lahore

Dr. Muhammad Tariq Zahid

Assistant Professor, Government college university (GCU), Lahore

Dr. Muhammad Sajjad Khattak

Assistant Professor, Punjab University, Quaid e Azam Campus, Lahore