



Muhammad Bilal

Date of birth: 15/10/2001 | **Place of birth:** Khyber pakhtunkhwa | **Nationality:** Pakistani |
Gender: Male | **Phone number:** (+92) 3456130352 (Mobile) | **Email address:**
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Address: Khyber Pakhtunkhwa, Pakistan (Home)

● ABOUT ME

I am Gold Medalist in Plant Science with a strong academic background, dedicated to research and passionate about advancing my career in plant science education and scientific discovery.

● EDUCATION AND TRAINING

2021 – 2025 Chakdara, Pakistan
BACHELOR OF BOTANY University of Malakand

Website <https://www.uom.edu.pk/> | **Field of study** Plant Genetics and molecular biology | **Final grade** 3.91 CGPA |

Thesis First Report on the Morphological and Biochemical analysis of wild Rosa multiflora Thunb. collected from hilly area of, Khyber Pakhtunkhwa, Pakistan

Timergara lower Dir, Pakistan
INTERMEDIATE Islamia model college Timergara lower Dir

Field of study Pre-Medical | **Final grade** 83.45%

Talash, Pakistan
MATRICULATION Govt High school Shamshi khan, District Dir lower

Field of study science | **Final grade** 74.36%

● WORK EXPERIENCE

🏠 – CHAKDARA, PAKISTAN
LAB ASSISTANT

Research Assistant at the University of Malakand, focused on supporting academic research and contributing to innovative scientific studies.

🏠 (PRIVATE) – TALASH, PAKISTAN
BIOLOGY TUTOR

Experienced educator at Talash Muslim Model School, specializing in fostering student growth through innovative teaching and committed to academic excellence.

● CONFERENCES AND SEMINARS

Queen Mary University of Landon (online)
Research Methodologies

Link <https://coursera.org/verify/QKGQMEPC6273>

University of Landon (Online)
Understanding Research Methods

Link <https://coursera.org/verify/XUX576ZMYRK1>

University of Toronto Ontario, Canada

Data Visualization for Genome Biology

Link <https://coursera.org/verify/ALSZJLN05QJH>

Duke University North Carolina

Introduction to Genetics and Evolution

Link <https://coursera.org/verify/4LHELOJ6HR3L>

Coursera Online platform

Fundamentals of Plant Biology

Link <https://coursera.org/verify/L4NMUX2YNTR6>

Rice University Texas

Introduction to Biology: Ecology

Link <https://coursera.org/verify/3ZWQVRM3HLSU>

University of Illinois

Genomics: Decoding the Universal Language of Life

Link <https://coursera.org/verify/FNXTDLOIUCWX>

Technical University of Denmark (DTU)

Whole genome sequencing of bacterial genomes tools and applications

Link <https://coursera.org/verify/3EUJOKQP2FLD>

Johns Hopkins University

Introduction to Genomic Technologies

Link coursera.org/verify/UF6H0EAM7IC9

● HONOURS AND AWARDS

Gold Medalist – University Of Malakand

Awarded a Gold Medal in Plant Science for outstanding academic performance, reflecting my dedication and passion for the field, and motivating me to pursue excellence in research and education.

Link <https://www.uom.edu.pk/>

Prime Minister's Youth Laptop Scheme – Prime Minister's Youth Laptop Scheme, Government of Pakistan

Received a laptop through the Prime Minister's Youth Laptop Scheme.

Link <https://www.hec.gov.pk/english/Pages/default.aspx>

Higher Education Commission Need-Based Scholarship – Higher Education Commission

Awarded the HEC Need-Based Scholarship for academic potential and financial support.

● SKILLS

Python Language - Basic knowledge | Microsoft Office | Microsoft Word | Microsoft Powerpoint | Seo-Rank

● LAB SKILLS

Proteomics(SDS-PAGE)

Developed experience in SDS-PAGE as part of a comprehensive study of proteomic techniques for protein identification and quantification.

DNA extraction

I have gained hands-on experience in sample preparation, cell lysis, and purification protocols for obtaining high-quality DNA

PCR

I have gained comprehensive knowledge in optimizing PCR conditions for efficient DNA amplification and genetic analysis.

Plant tissue culture

Acquired hands-on experience in Plant Tissue Culture techniques for the propagation and genetic manipulation of plant cells

● LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	C1	A2	C2

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

● RECOMMENDATIONS

Dr. Muhammad Niar Professor

Recommendation letter available upon request.

Email mnshaalpk@gmail.com | Phone (+92) 3443222200

Dr. Shariat Ullah Assistant Professor

Recommendation letter available upon request.

Email shariatullah@gmail.com | Phone (+92) 3469266486

Dr. Ali Hazrat Associate professor

Recommendation letter available upon request.

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