



Umar Siddique

Nationality: Pakistani **Date of birth:** 07/02/1999 **Gender:** Male

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Home: Mohallah Dani P/O battal Mansehra KPK Pakistan , 21090 Battal Mansehra (Pakistan)

ABOUT ME

Focused biotechnologist accomplished in all phases of development and testing. Fluent in advanced laboratory technology. Highly skilled at building cross functional teams and talked pride in mentoring new team members. Excels at refining and optimizing testing and development protocols. Solves problems with innovation and vision.

WORK EXPERIENCE

Battal Public High School and College Battal *Lecturer*

City: Battal Mansehra

Country: Pakistan

Science Grate 4th to 7th

Biology Grade 8th to 12th

Chemistry Grade 8th to 12th

Nutrition Division National institute of health Islamabad

[12/08/2022 – 20/09/2022]

Completed my internship at

Food, water, Microbiology laboratories

King Abdullah teaching hospital Mansehra *internship laboratory technician*

City: Mansehra

Country: Pakistan

EDUCATION AND TRAINING

Biotechnology and Genetic Engineering

Hazara University Mansehra, KPK Pakistan [08/09/2019 – 11/07/2023]

City: Mansehra

Country: Pakistan

Website: www.hu.edu.pk

FSc-Pre Medical (HSSC)

Green Hills Public High School and College Battal [12/04/2015 – 05/04/2017]

City: Battal Mansehra

Country: Pakistan

Website: <https://www.biseatd.edu.pk/>

Matriculation (SSC)

Green Hills Public High School and College Battal [03/04/2014 – 05/04/2016]

City: Battal Mansehra

Country: Pakistan

Website: <https://www.biseatd.edu.pk/>

LANGUAGE SKILLS

Mother tongue(s): **Urdu**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

DIGITAL SKILLS

NCBI tools (Genbank, BLAST) / Bioinformatics Tools and Databases (UniProt, ProtParam, PDB, Clustal Omega, BLAST) / bio-informatique FASTA BLAST / PubMed, NCBI, Blast, ClustalW / BLAST++ / Microsoft Word / Google Drive / Microsoft Office / Microsoft Powerpoint / Python Language - Basic knowledge

PUBLICATIONS

[Antibacterial Activity of Aqueous Plant Extracts and Honey Against UTI Causing Superbugs](#)
[2022]

TOBACCO REGULATORY SCIENCE

Link: https://tobreg.org/index.php/journal/article/view/895?fbclid=IwAR1Y5f7_UUgUY0kOGrfVzJWNEZ60ez-ssx2dqui-ga92_wDtTD5-hcvQXE

NETWORKS AND MEMBERSHIPS

Vice president Dard e Insaniyat welfare Foundation registered

[Pakistan , Current]

Life Member

[Medical Microbiology Association Pakistan , Current]

Student Member Global Outreach

[American Society for Microbiology , Current]

CONFERENCES AND SEMINARS

GCMS, Gene Gun, RT-PCR

[Hazara University Mansehra Central Research Laboratory , 19/12/2022 – 22/12/2022]

1st International Conference on recent approaches in Plant Sciences

[Department of Botany, University of Education, Lahore Pakistan]

3RD International Conference (webinar) Colossal and Collateral Challenges for Sustainable Environment

[University of Uottawa, Canda]

Fourth International Conference on Biosciences (ICBS-2021)

[Biological Society of Pakistan Department of plant Sciences Quid e Azam University Islamabad]

3rd World Immunology Day Resent update on COVID-19 Pandemic and the preparedness of human body for the next outbreak

[Universitas airlangga surabaya, indonesia]

JZT'S 3-Days Social entrepreneur's training program

[COMSATS University, Islamabad Pakistan , 02/08/2021 – 04/08/2021]

Microbiology Quiz Competition

[Department of plant Biology and Plant Biotechnology Guru Nanak College (Autonomous) Velachery,]

An Examination of Coronavirus COVID-19

[St. Georg's University Think Beyond]

Covid-19 Awareness Program

[PG and research Department of commerce]

Hand hygiene Allied Health online learning Module

[Hand Hygiene Australia]

Link: www.hha.org.au

Personal protective Equipment (PPE)

[Government of Pakistan Ministry of national Health Services Regulations and coordination]

COVID-19 and Food Safety

[Quali food Academy]

Bon usage des antibiotiques une approche par competences

[World Health Organization]

certificate of appreciation outstanding performance for his/her volunteer efforts

[Awarded by prime minister of Pakistan Mr. Imran Khan]

designing, troubleshooting, and applications of PCR Primers

[Pakistan Association of Biotechnologists PAB]

hand dermatitis online learning Module

[occupational dermatology research and education center]

Influenza Sntinel surveillance training

[World Health Organization]

Online Awareness Quiz COVID-19

[Vikas Institute of Pharmaceutical Sciences]

What you need to know as a health professional (2CME)

[Osmosis University]

Coronavirus - What you need to know

[Alison Online learning Courses 1960-15256237]

Operational planning Guidelines and COVID-19 Partners Platform to Support country preparedness and response

[World Health organization]

Defeat COVID-19 be a Champion

[Gulf Medical University Academic Health Center]

Clinical trials, Awareness pledge

[Quinary clinical research]

Incident Management System (Tier 2)

[World health organization Working in WHO's Incident Management System]

Standard precautions Hand hygiene

[Health Emergencies Program WHO]

Severe Acute Respiratory infection (SARI) Treatment Facility Design

[Health Emergencies Program WHO]

Operational planning Guidelines and COVID-19 partners Platform to support Country preparedness and response

[Health Emergencies Program WHO]

Energy Economics, Environment, and Policy

[ADBI Institute]

let's Break the chain of COVID-19 Infection

[MBRU Community immunity ambassador program]

PROJECTS

GENETIC POTENTIAL OF ADVANCE BREAD WHEAT LINES FOR MORPHO-YIELD AND YELLOW RUST RESISTANCE

Link: <https://drive.google.com/drive/folders/1aqmVbOFI9fKtN-k-WoogMqHh-kT5ztAf>

IFS-I-I-C-64481-I

[01/11/2022 – 31/05/2023]

Exploring genetic variation of fusarium head blight resistance for marker-assisted breeding in Pakistani wheat gene pool

Link: <https://drive.google.com/drive/folders/1AixPdihWU3sPzwop6ZoyMvxbBPkYFiQu>

HONOURS AND AWARDS

HEC Need Base Scholarship

Hazara University Mansehra [14/05/2023]

Merit Scholarship Holder

MANAGEMENT AND LEADERSHIP SKILLS

To perform good lab practices during work.

To perform environmental monitoring through active and passive sampling methods.

To perform validation of autoclave, Oven, Incubator, glassware and UV pass through and LFH.

To look after laboratory chemicals, glassware and instruments and maintain their inventory.

To disinfect instruments and laboratory area.

Quick adoptability to any environment.

Flexible and responsible.

Self-Motivating and hardworking.

capability of understanding and implementing modern techniques quickly.

ORGANISATIONAL SKILLS

Isolation, identification and characterization of microbes from different sources.

identification of different diseases in plants Rust and its types, powdery mildew and its type.

DNA extraction from plants.

DNA extraction from Blood.

Gel electrophoresis, Gel preparation.

Chemical analysis of water and its purification test.

Sterilization and Depyrogenation

Use of Blast, Statistix Software

performing Good Research filed work, its maintenance and data collection sampling etc.

Biological Safety Cabinets.

Biochemical testing

Preparation of reagents and solution for chemical identification & its analysis.

Growth, identification, of coliform and fecal coliforms and confirmation tube test on MacConkey Media & broth.

Oil, Tea, cold-drinks, juices, purifications tests

Gluten extraction from wheat flour process.

Gerber test tube method.

RECOMMENDATIONS

Chairman Dep Biotechnology & Genetic Engineering, Dean Faculty of health & Biological sciences HU.

Name: Prof. Dr. Inam Ullah

Phone number: (+92) 3349537908

Email: drinamullah34@gmail.com

• *My Bachelor Research Supervisor.*

Associate Professor Dep, of Biotechnology and Genetic Engineering HU.

Name: Dr. Azhar Hussain Shah

Phone number: (+92) 3103283399

Email: drahshu@gmail.com

Assistant Professor, Department of Biotechnology and Genetic Engineering Hazara University.

Name: Dr. Ikram Ullah

Phone number: (+92) 3469402790

Email: ikrambiotech@gmail.com

Lecturer, Department of Biotechnology and Genetic Engineering Hazara University.

Name: Dr. Manan Khan

Phone number: (+92) 3135860104

Email: nageneticitics@gmail.com

Assistant Professor, Department of agriculture Hazara University.

Name: Dr. Fahim Ullah Khan

Phone number: (+92) 3336402721

Email: fahimbiotech@hu.edu.pk

Lecturer, Department of Biotechnology and Genetic Engineering Hazara University.

Name: Dr. Hamid Ali

Phone number: (+92) 3428283965

Email: biotechd.ali@gmail.com
