



Osama Alam (Gold Medalist)

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🌐 **Website:** <https://www.researchgate.net/profile/Osama-Alam>

🌐 **Website:** <https://scholar.google.com/citations?user=m4YBrTIAAAJ&hl=en>

💬 **WeChat:** wxid_2v8rwgjo6wlp22

Gender: Male **Date of birth:** 04/09/2000

WORK EXPERIENCE

Reviewer

Plant Stress Journal **Impact Factor: 5**

Visiting Lecturer

University of Science and Technology Bannu

Genomics of GWAS

- DNA Extraction and Genotyping
- Candidate Gene Identification
- Publication and Reporting
- qRT PCR management

Research and Scientific paper writing

- Research Article Writing
- Research Poster Designing
- Peer review
- Ethical Considerations

EDUCATION AND TRAINING

[08/07/2019 – 26/09/2023]

Bachelor in Biotechnology

University of Science and Technology Bannu <https://www.ustb.edu.pk/>

City: Bannu

Country: Pakistan

Final grade: CGPA: 4 /4

[06/03/2017 – 10/06/2019]

HSSC Pre Medical

Cadet College Chakwal <https://cadetcollegechakwal.com/>

City: Chakwal

Country: Pakistan

Final grade: 880/1100, 80%

[01/04/2016 – 02/05/2017]

Matric SSC

Cadet College Chakwal <https://cadetcollegechakwal.com/>

City: Chakwal

Country: Pakistan

Final grade: 982/1100, 89%

PUBLICATIONS

[2023] **Discussion on Circulating microRNA's Hidden Potential as a Cancer Biomarker**

Reference: Coauthor

Link: <https://doi.org/10.47262/BL/9.2.20230429>

[2023] **Unraveling COVID-19: A Global Health Crisis and Ongoing Research**

Reference: Author
Link: <https://doi.org/10.54393/fbt.v3i02.47>

[2023]

UNLOCKING RARE DISEASES GENETICS: INSIGHTS FROM GENOME-WIDE ASSOCIATION STUDIES AND SINGLE NUCLEOTIDE POLYMORPHISMS

Reference: Author
Link: <https://psmjournals.org/index.php/ijmm/article/view/749>

[2023] **Unleashing Aspergillus niger: Transforming Rubber Waste into Eco-Friendly Solutions**

Reference: Author
Link: <https://psmjournals.org/index.php/biolres/article/view/738>

[2023] **In Silico Analysis of SOS Family in Areca palm (Areca catechu. L)**

Reference: Author
Available as a Preprint in Research Square
Link: <https://www.researchsquare.com/article/rs-3156169/v1>

[2023]

INFLUENCE OF VARIANTS MUTATIONS ON THE PROGRESSION AND OUTCOME OF COVID-19 IN PAKISTAN

Reference: Author
Accepted in Liaquat Medical Research Journal

[2023] **Potato Late Blight Disease in Pakistan: Prevalence and Control Perspectives**

Reference: Corresponding Author
Accepted in Diet Factor Journal

[2023] **Insilico analysis of Heat Shock Protein 70 in Nymphaea colorata (Water Lily)**

Reference: Author
Accepted in Futuristic Journal

[2023]

Impact of High Tropospheric Ozone and Nitrogen Concentration on Total Protein and Chlorophyll Content of Pinus roxburghii

Reference: Corresponding Author
Under Review in Pakistan Journal of Agriculture Sciences

[2023]

Genome-wide identification and Expression Pattern of the GRAS Gene Family in Areca palm (Areca catechu. L) under biotic and abiotic stresses

Reference: Author
Under Review in MDPI Biology

[2023]

Genome-wide identification and Expression Analysis of the Dof gene family in Pitaya (Selenicereus undatus) under abiotic stresses

Reference: Author
Under Review in Functional Biology Journal

[2023] **In Silico Analysis of HSP70 Gene Family in Areca palm (Areca catechu. L)**

Reference: Author
Under Review in Plant Stress

[2023]

Astragalus grahamianus extract: A novel source of bioactive compounds with antioxidant, anti-diabetic, and neuroprotective activities

Reference: Coauthor

Under Review in Journal of Tropical Conservation Science

HONOURS AND AWARDS

Merit Base Scholarships Awarding institution: University of Science and Technology Bannu

Innovative Business Management Awarding institution: Pakistan Business Institute

Best Obedient student of the Year Award Awarding institution: Cadet College Chakwal

Distinction Certificate Awarding institution: University of Science and Technology Bannu

Research and Debating Society Awarding institution: University of Science and Technology Bannu

President Role

CERTIFICATIONS

Introduction to Environmental Science

Dartmouth College

Link: <https://coursera.org/share/05ab8e20865856721ce5b144f68944ef>

Research Methodologies

Queen Mary University of London

Link: <https://coursera.org/share/d69bc20f8f42d9d5043ce6014fe1f195>

Understanding Research Methods

University of London

Link: <https://coursera.org/share/924671a3df149348b97877edafdd2f3b>

IELTS Preparation

University of California, Irvine

Link: <https://coursera.org/share/1338b9e0186cbbd21916018a3a919bf9>

TOEFL Preparation

University of California, Irvine

Link: <https://coursera.org/share/8c166a6a6304a5ea21078ce265bd82bf>

Work Smarter with Microsoft Excel

Microsoft

Link: https://www.coursera.org/account/accomplishments/verify/VMMEXU2QSHQW?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course

Fundamentals of Graphic Design

California Institute of the Arts

Link: <https://coursera.org/share/8ba32a3cde9051f1b9cce7d55ce8d85c>

Basic Elements of Design: Design Principles and Software Overview

University of Colorado Boulder

Link: <https://coursera.org/share/41a39bfbf7dfaec05f8843472037084e>

RECOMMENDATIONS

Associate Professor in Department of Biotechnology, UST Bannu, KPK, Pakistan

Name: Dr Sehroon Khan

Phone number: (+92) 3348800445

Email: Sehroon@gmail.com

He is always looking for new and innovative ways to engage their students and help them learn. He is also excellent at building relationships with their students and creating a positive learning environment.

Lecturer in Department of Biotechnology, UST Bannu, KPK, Pakistan

Name: Dr Adeel Khan

Phone number: (+92) 3331549510

Email: adeelsurani@hotmail.com

I was consistently impressed by their knowledge of the subject matter, their ability to explain complex concepts in a clear and concise way.