



Mariam Ahmed Mujtaba

Lecturer Biotechnology | Women University Mardan | East Canal Road Mardan

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PROFILE

Looking for a challenging and rewarding future in a healthy and competitive organization and to prove my willpower resolution and mental makeup both as team player as well as a leader through sheer hard work and dedication. I offer my enthusiasm, dynamism, and commitment for achieving the goal. I wish to develop my scientific vision in an environment of high research caliber to feat my potential abilities and build my capacity in Biotechnology & related areas.

EDUCATION

Doctor of Philosophy	PMAS-Arid Agriculture University Rawalpindi, Pakistan Biotechnology Continued (Thesis submitted) 3.53 B
Master of Philosophy	PMAS-Arid Agriculture University Rawalpindi, Pakistan Biotechnology 2017 3.58 B
Bachelor of Science	Gomal University Dera Ismail Khan, Pakistan Biotechnology 2013 3.98 B
B.Ed.	Allama Iqbal Open University Islamabad Science 2016 66% B

RESEARCH EXPERIENCE

Ph.D. Project	Molecular profiling of regulatory factors in various tuberculosis phenotypes
M. Phil Project	Expression profiling of candidate genes in autoimmune diseases
BS Project	Six months lab experience working on "Mapping of <i>NSUN2</i> gene in a Pakistani family with autosomal recessive mental retardation"

WORK EXPERIENCE

- Dec 2019-June 2022 Volunteer in HEC-NRPU Project
Hands-on experience in molecular biology techniques and NGS experiments (RNA-seq), advanced statistical analysis using R, project management, report writing
- Oct 2016- March 2022 Teaching Assistant, UIBB, PMAS-AAUR
Taking practical courses in Cell biology, Immunology and immunochemistry, assisting course instructor in maintaining course files, preparing study materials and papers, maintaining attendance and marks on CMS
- Feb 2014- Sep 2015 Secondary Teacher, National Academy School Rawalpindi
Teaching Science and Biology at the Secondary School Level
- Jan 2021-till Date Assisting in research projects of M. Phil researchers at PMAS-AAUR

TECHNICAL LABORATORY SKILLS

- PCR (PCR & REAL TIMEPCR)
- cDNA synthesis
- mRNA, DNA extraction & purification
- Different Bioinformaticstool
 - ✓ NCBI, UCSC GENOMER BROWSER, UNIPROT
 - ✓ BLAST ANALYSIS
 - ✓ Insilico PCR
 - ✓ PRIMER3 & PRIMER BANK
 - ✓ STRING ANALYSIS
 - ✓ KEGG PATHWAY ANALYSIS
 - ✓ CLUSTAL W & CLUSTAL OMEGA
 - ✓ Pedigree Analysis
- Statistical Tools
 - ✓ SPSS Software
 - ✓ GRAPHPAD PRISM
 - ✓ Statistix 8.1
 - ✓ R Programming Language for Statistical Computing

PUBLICATIONS

- **Mujtaba, Mariam Ahmed**, Matthew Richardson, Hira Shahzad, Muhammad Ishaq Javed, Ghazala Kaukab Raja, Pakeeza Arzoo Shaiq, Pranabashis Haldar, and Sadia Saeed. "Demographic and Clinical Determinants of Tuberculosis and TB Recurrence: A Double-Edged Retrospective Study from Pakistan." *Journal of Tropical Medicine* 2022 (2022).
- Ali, Shahid, Waqas Hussain, Zakia Subhan, Muhammad Ahmad, **Mariam Ahmed Mujtaba**, Muhammad Usman Ijaz, Muhammad Ishaq Javed, Maira Iqbal, and Sudhair Abbas Bangash. "Sensitivity Pattern of Antimicrobial from Pneumonia Patients in Tertiary Care Hospital." *Pakistan Journal of Medical & Health Sciences* 16, no. 08 (2022): 698-698.
- Anwar, Saadia, Iqra Heer Bhatti, Amna Mughal, Samia Shoukat Abbasi, **Mariam Ahmed Mujtaba**, Muhammad Sheraz Qureshi, Muhammad Rizwan, and Ravi Dutt Sharma. 2023. "Physiological Interaction of SARS-CoV-2 Binding to the ACE-2 Receptor". *International Journal of Health Sciences* 6 (S7):6855-63. <https://doi.org/10.53730/ijhs.v6nS7.13897>
- Abstract on "Expression profiling of candidate genes in blood and epidermal tissue of psoriatic patients" in Abstract Book of Fifth ICETBB-2023
- Biocon on "National Conference on Recent Trends in Biosciences on 21st-23rd June 2023

FELLOWSHIPS/AWARDS/DISTINCTION/ACHIEVEMENTS

- Award of scholarship under the International Research Support Initiative Program (IRSIP) for the University of Leicester, UK
- HEC Indigenous Scholarship (Phase-II, Batch-III) Year 2015 till completion
- Gold Medal Certificate in BS Biotechnology Examination (Session 2009-2013)
- Certificate of Merit by SHAHEEN FOUNDATION PAF for the Year 2005, 2004 and 2003 on obtaining prominent position in Class-IX, Class-VIII and Class-VII

CONFERENCES/WORKSHOPS/SEMINARS

- Attended a seminar on Thalassemia Awareness Seminar on 5th October 2023 at Women University Mardan
- Attended a Seminar on Air Pollution and its Impact on Air Quality, Human Health and Climate Change on 13th November 2023
- Attended Hands-on Training Workshop on Basic Lab Skills on 4th-8th December 2023 as a Resource Person and as a member organizing committee organized by Department of Biotechnology

- Presented a poster in National Conference on Recent Trends in Biosciences at the University of Swat on 21-23 June 2023
- Attended 6th International Conference on Scientific Outlook of Sustainable Development Goals on 15th-16th January 2024 as a member organizing committee
- Presented a poster in 6th International Conference on Scientific Outlook of Sustainable Development Goals on 15th-16th January 2024
- Presented a talk in 6th International Conference on Scientific Outlook of Sustainable Development Goals on 15th-16th January 2024
- Attended International Academic Conference: Breaking Barrier through Diversity and Inclusivity at Marriot Islamabad on 26th-29th February 2024 as a member organizing team for Installation of Promotional Stall for Women University Mardan
- Participated in Women's Day Ceremony at Women University Mardan on 8th March 2024 as a member organizing committee
- Attended a webinar on how to effectively use Researchers Academy and Elsevier Journal Finder
- Certificate of Presenter in Fifth International Conference on Emerging Trends in Bioinformatics & Biosciences (ICETBB-2023) held on September 14-16, 2023
- Certificate of Presenter in National Conference in Recent Trends n Biosciences held on June 21st-23rd, 2023
- Certificate of Participation in 2nd International Conference on New Trends in Biological Sciences held on January 16-17, 2023

- Certificate of Participation in “Hands-on Training on Kjeldahl Instrumentation and Analysis” held on September 1, 2022
- Certificate of Attendance in International Hybrid Seminar on Clinical and Genetic Architecture of Congenital Hypogonadotropic Hypogonadism held on July 27, 2022
- Certificate of Oral Presenter in 9th International Conference on Biological and Computational Sciences held on November 25, 2021 (Online)
- Certificate of Participation in 6th International Multidisciplinary Research Conference held on November 02-04, 2021
- Certificate of Poster Presenter in 1st International Conference on Recent Updates in Biotechnology by AWKUM held on October 16-18, 2019
- Training Certificate in FREELANCING course under DigiSkills Training Program Batch-03 Apr 2019-Jun-2019
- Training Certificate in GRAPHIC DESIGN course under DigiSkills Training Program Batch-03 Apr 2019-Jun-2019
- Certificate of Participation in One Day Training Workshop on Next Generation Sequencing held on 10th May, 2018
- Certificate of Participation in Hands-on Training Workshop on Cryopreservation held on April 02 & 03, 2018
- Certificate of Participation in the International Conference of Biochemistry, Biotechnology and Biomaterials held on February 22-24, 2016

REFERENCES

- **Dr. Sadia Saeed**

Qualification: Ph.D.

Email: dr.sadia@uaar.edu.pk

Mailing address:

Department of Biochemistry,
PMAS-Arid Agriculture University,
Murree Road, Rawalpindi.

- **Dr. Pakeeza A. Shaiq**

Qualification: Ph.D.

Email: pakeezaarzo@uaar.edu.pk

Mailing address:

Department of Biochemistry, PMAS-Arid
Agriculture University,
Murree Road, Rawalpindi.

- **Dr. Muzammil Ahmad Khan**

Qualification: Ph.D.

Email: Muzammil.gandapur@hotmail.com

Mailing address:

Gomal Centre of Biochemistry and
Biotechnology, Gomal University,
Dera Ismail Khan