

Shah Faisal Jamal

Medical Laboratory Technologist | Human & Microbial Genetics Researcher

PERSONAL INFORMATION

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Professional registration	Allied Health Professionals Council (AHPC), Reg. No. 520001191

ABOUT ME

Registered Medical Laboratory Technologist and Microbiologist with over 9 years of combined experience in diagnostic laboratory practice, university teaching, academic leadership, and institutional administration at Khyber Medical University (KMU). Currently serving as a Medical Laboratory Technology Demonstrator / Junior Lecturer with additional responsibility as Director, KMU Institute of Health Sciences, Nowshera, where I lead institutional operations, academic planning, faculty coordination, quality assurance, regulatory compliance, and strategic development. Hold an M.Phil. in Microbiology with a focus on bacterial genetics and a Master of Public Health (MPH), and I am pursuing a PhD in Medical Laboratory Science with a research focus on human genetics. Author of multiple research publications, including first-author and corresponding-author papers, spanning clinical microbiology, antimicrobial resistance, and genetics. Demonstrates a strong commitment to institutional growth, academic excellence, evidence-based decision-making, and the development of healthcare education.

WORK EXPERIENCE

19/11/2025 – Present	Director (Additional Charge) <i>Institute of Health Sciences (KMU-IHS), Khyber Medical University, Nowshera Campus, Pakistan</i> Sector: Higher Education – Health Sciences Lead the Institute of Health Sciences at the Nowshera Campus alongside existing teaching and academic duties at KMU-IAHS Peshawar.
03/05/2019 – Present	Medical Lab Technology Demonstrator / Junior Lecturer <i>Institute of Allied Health Sciences (KMU-IAHS), Khyber Medical University, Peshawar, Pakistan</i> Sector: Higher education – allied health sciences - Develop and deliver high-quality educational programs and practical demonstrations in allied health sciences. - Prepare Medical Laboratory Technologists to provide high-quality healthcare to the community. - Provide clinical leadership and professional consultation in the provision of medical services and the development of healthcare programs.
01/04/2020 – 10/11/2020	Medical Laboratory Technologist <i>Public Health Reference Laboratory, Khyber Medical University (PHRL-KMU), Peshawar, Pakistan</i> Sector: Public Health Laboratory Services Performed Coronavirus RNA PCR testing and delivered reports to the community.
10/09/2017 – 02/05/2019	Medical Laboratory Technology Demonstrator <i>RAZI Institute of Medical Sciences (RIMS), Peshawar, Pakistan</i> Sector: Allied Health Education Taught and demonstrated medical laboratory technology at an allied health sciences institute offering F. Sc. Health Technologies, diplomas in various health technologies, and BS programs in MLT and Anesthesia Technology.

EDUCATION AND TRAINING

2025 – Present	PhD in Medical Laboratory Science (in progress)
2026	Certificate in Genetic Counseling
2025 – 2026	Diploma in Information Technology
2025	Certificate in Health Professions Education
2022 – 2024	Master of Philosophy in Microbiology
2021 – 2023	Master of Public Health (MPH)
2013 – 2017	Bachelor of Science in Medical Laboratory Technology
2010 – 2012	Higher Secondary School Certificate
2008 – 2010	Secondary School Certificate

LANGUAGE SKILLS

Languages **Urdu · English · Pashto** – Good command and strong communication skills

JOB-RELATED SKILLS

Laboratory & technical	Clinical Assays; Laboratory Testing and Reporting; Quality Control; Laboratory Equipment Handling and Calibration; Antibiotic Susceptibility Testing (Kirby-Bauer, CLSI); Molecular Diagnostics (RNA PCR, Multiplex PCR); SCCmec and Spa Typing; ELISA Serology; Hematology (CBC); Blood Culture.
Research	Human Genetics; Bacterial Genetics; Clinical Microbiology; Antimicrobial Resistance; Public Health; Scientific Writing and Publication.

COMMUNICATION AND ORGANISATIONAL SKILLS

Communication	Strong communication skills developed through university teaching, practical demonstrations, committee work and scientific writing.
Organizational/managerial	Member, Examination Committee (Peshawar Region – Allied Health Sciences, Khyber Medical University), contributing to examination planning and management; academic administration as Director (additional charge), KMU-IHS Nowshera; curriculum development and ethics review.

DIGITAL SKILLS

Digital	One-Year Diploma in Information Technology (2025–2026); SPSS and MS Excel for data analysis; spa finder software for spa typing; online bioinformatics tools including the Center for Genomic Epidemiology (CGE) web services, Proksee and RAST for genome analysis and annotation.
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PUBLICATIONS

- Ullah S, Manzoor F, Khan I, Rehman AU, Shehzad, Khan S, Jan MY, Nabi SA, **Jamal SF***, Ghazal. Assessing the effect of generative artificial intelligence on academic stress and academic performance among medical students of Khyber Medical University. *Int J Adv Res.* 2026;3(4):1490–1497. doi:10.5281/zenodo.22629018
- Ullah A, Gul S, Ahmad SS, Khan MA, **Jamal SF**. Characterization of the Pantone-Valentine leukocidin-positive methicillin-resistant *Staphylococcus aureus* strains isolated from skin and soft tissue infections at a tertiary care hospital in Pakistan. *Dubai Med J.* 2026;9(1):76–87. doi:10.18502/dmj.v9i1.21131
- Aziz J, Gul S, Ullah I, **Jamal SF**, Mir A, Ullah R, Ullah A. Spectrum of neurological disorders in patients visiting tertiary care hospitals in Peshawar. *J Health Wellness Community Res.* 2025;3(15). doi:10.61919/9rdvvd13
- Ullah A, Frees D, Mansoor M, **Jamal SF**, Tkadlec J. Multiple highly resistant clones of MRSA circulating among patients with skin and soft tissue infection, Peshawar, Pakistan 2021–2022. *Epidemiol Infect.* 2025;153: e113. doi:10.1017/S0950268825100575
- Salam SN, Mehsood N, Uddin MA, Uddin B, **Jamal SF**, Ullah R. Awareness and attitude of patients towards radiation exposure in tertiary care hospitals. *Insights J Health Rehabil.* 2025;3(2):89–97.

- **Jamal SF**, Ahmad S, Khan N, Yasir M, Din MU, Gul N. Frequency of Gram-negative bacteria and their antibiotic susceptibility of bloodstream infections in children of Khyber Pakhtunkhwa. *Insights J Health Rehabil.* 2025;3(1):732–740.
- Shan F, Rashid MI, **Jamal SF**, Rahman M, Ahmad I. Environmental and genetic etiology of rheumatoid arthritis. *BioSci Rev.* 2025;7(1):77–95. doi:10.32350/bsr.71. i
- Safi S, Jehan I, Alam AZ, Ullah A, **Jamal SF**, Ullah R, Ahmad W, Zaman A. Correlation between total leukocyte count, neutrophil count, and appendix diameter on ultrasound of acute appendicitis patients. *Pak-Euro J Med Life Sci.* 2023;6(3):183–190. doi:10.31580/pjmls. v6i3.2855
- Ullah A, Tara T, Maqbool A, Zeb MA, **Jamal SF**, Saidal A. *Staphylococcus* cassette chromosome *mec* typing of methicillin-resistant *Staphylococcus aureus* strains prevailing in Hayatabad Medical Complex, Peshawar. *Rehman J, Health Sci.* 2022;4(1):20–25.
- Khan MA, Saira, Ullah A, Zeb MA, Ullah I, **Jamal SF**. Antibiotic susceptibility pattern of urinary tract pathogens isolated at a tertiary care hospital in Peshawar. *Ann Allied Health Sci.* 2021;7(2):56–60.
- Shah AWA, Zeb MA, Ullah A, **Jamal SF**, Ullah E, Usman M. Secretor status prevents individuals from *Helicobacter pylori* infection. *Pure Appl Biol.* 2021;10(2):503–508. doi:10.19045/bspab.2021.100053
- Ullah I, Zeb MA, Ullah A, **Jamal SF**, Khan MA, Khan B, Khan I, Khan FA. Hematological profile of *Plasmodium vivax* and *Plasmodium falciparum* infected patients compared with control group in Hayatabad Medical Complex, Peshawar. *Ann Allied Health Sci.* 2021;7(1):21–26.
- Owais M, Ullah A, Nafees MU, Rahim F, Zeb MA, Hussain Z, Malik A, **Jamal SF**. Antibiotic susceptibility pattern of *Escherichia coli* isolated from urine samples of urinary tract infection patients. *Indo Am J Pharm Sci.* 2019;6(1):362–366. doi:10.5281/zenodo.2530875
- Zeb MA, **Jamal SF**, Mir A, Khan AA, Ullah A. Frequency of TORCH infections during pregnancy in Peshawar, Pakistan. *Adv Appl Sci Res.* 2018;9(1):22–26.

CERTIFICATIONS AND TRAINING

- Two-day training on ISO 15189:2012 Medical Laboratories: Particular Requirements for Quality and Competence – Pakistan National Accreditation Council and Health Care Commission
- Workshop on Quality Management in Blood Transfusion Services – World Health Organization, Hayatabad Medical Complex, Peshawar
- One-day workshop on "Continuing Professional Development" – Rehman College of Allied Health Sciences

MEMBERSHIPS AND COMMITTEE ROLES

- Member, Examination Committee, Peshawar Region – Allied Health Sciences, Khyber Medical University
- Focal Person, OSPE/OSCE – Allied Health Sciences, Khyber Medical University
- Member, Curriculum Development Committee for Allied Health Sciences, Khyber Medical University
- Member, Institutional Ethics Committee, Institute of Allied Health Sciences, KMU Peshawar
- Focal Person, Quality Enhancement Cell (QEC), KMU Institute of Health Sciences (KMU-IHS), Nowshera
- Former Focal Person, Quality Enhancement Cell, Institute of Allied Health Sciences, KMU Peshawar
- Member, Blood Donation Society, KMU Institute of Paramedical Sciences, Peshawar

INTERESTS

Reading, Travelling and Sports

REFERENCES

Prof. Dr. Aman Ullah

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Dr. Muhammad Asif Zeb

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