

Muhammad Sadiq Khan

Email: sadiqbiotech2@gmail.com

Phone/WhatsApp: +923379817172

Correspondence address: Sadiq Medical Lab, opp: KGN Teaching Hospital, Bannu Township, Bannu, Khyber Pakhtunkhwa, Pakistan

Personal Information

Date of birth: 30.10.1977

Place of birth: Bannu, Pakistan

Nationality: Pakistani

National Identification number: 11101-1492576-7

Marital status: Married

Professional Summary

Experienced Clinical Laboratory Manager with over 20 years of experience in diagnostic pathology, PCR-based techniques, and medical laboratory operations. Holds a PhD (Biotechnology – Thesis submitted), with demonstrated expertise in ISO standards, quality control, LIS, and staff supervision. Proven track record of leadership, process optimization, and regulatory compliance. Seeking a senior laboratory management role in a dynamic healthcare setting.

Key Skills

- Laboratory Management & Administration
- ISO 15189, CAP, CLIA Compliance
- Laboratory Information Systems (LIS)
- Quality Assurance & Control
- Team Leadership & Training
- Molecular Techniques (PCR, DNA/RNA Extraction)
- Microscopy & Clinical Diagnosis
- Bilingual Communication (English & Urdu/Hindi)

Experience

Clinical Technician (Pathology) – PCR Lab, Bannu (2015 – Present)

- Managing PCR-based diagnostic workflows.
- Ensuring ISO-compliant lab practices and LIS data entry.
- Supervision of various technical and administrative operations
- Establishment of standard operating procedures (SOPs)
- Training of laboratory staff and junior technicians
- Management of lab budget (inventory plus equipment)
- Ensuring compliance with various regulatory standards.

Clinical Technician – Khalifa Gul Nawaz Teaching Hospital Lab, Bannu (2011 – 2015)

- Assisted in test processing and reporting.
- Participated in interdepartmental audits.

- Responsible for maintenance and calibration of various lab equipment

Laboratory Technician – Pakistan Railways Hospital, Peshawar Cantt (2004 – 2011)

- Conducted routine diagnostic and special smear testing.
- Handled quality control documentation and data management.
- Development and implementation of various quality assurance programs

Lecturer – Bannu Institute of Health Sciences (BIHS) – 2 Years

- Taught subjects in biotechnology and laboratory diagnostics.

Education

- **PhD** in Biotechnology – Thesis Submitted, CGPA 3.8
University of Science & Technology, Bannu – Pakistan | 2022
- **M.Phil.** Biotechnology – CGPA 3.65
University of Science & Technology, Bannu – Pakistan | 2015
- **MSc.** Biological Sciences (Bacteriology)
Gomal University, Dera Ismail Khan – Pakistan | 2001
- **Diploma** in Pathology
Medical Faculty Peshawar, Pakistan | 2002
- **Bachelor of Science (BSc)**
Gomal University, Dera Ismail Khan, Pakistan | 1996
- **FSc (Pre-Medical) & Secondary School Certificate (SSC)**
Board of Intermediate & Secondary Education, Bannu, Pakistan

Certifications and Licenses

- Valid Clinical Technician License – Pakistan
- Eligible for Saudi Commission Licensing (can initiate process)

Publications

- Khan MS, Ahmed M, Khan RA, Mushtaq N, Wasim Ullah Shah M. Consanguinity ratio in b-thalassemia major patients in District Bannu. J Pak Med Assoc. 2015 Nov; 65(11):1161-3. PMID: 26564284.
- Ahmed A, Ahmad M, Khan RA, Khan SM. 2014. Evolution of free radical scavenging and antioxidant potential of *Melilotus parviflora* *International journal of advance research* [2014]. Volume 2, issue 3, 14-20.[impact factor 1.65]
- Ahmed A, Ahmad M, Khan RA, Khan SM. 2014. Cytotoxic, phytotoxic and antimicrobial characterization of *Melilotus parviflora*, *International journal of advance research* [2014]. Volume 2, issue 3, 8-13.[impact factor 1.65]

- Khan A, Khan RA, Ahmad M, Khan SM. 2014. Evolution of phytotoxic potential of methanolic extract of *Calligonum polygonoides* American-Eurasian J. Agric & Environ. Sci., 14 (12): 1346/1350,2014.
- Khan A, Khan RA, Ahmed M, Khan MS. Prevalence of measles in district Bannu. J Pak Med Assoc. 2018 Mar; 68(3):447-449. PMID: 29540883
- Maria A, Mohsina H, Ambreena M. Study of bacterial and hospital acquired factors of Urinary Tract Infections in patients in District Chakwal. International journal of Health Sciences, 7(S1),2051-2057, 2023
- Khan MS, Ahmad M, Khan RA, Masroor H, Qazi K, Rafid U. Laboratory parameters as diagnostic Markers for Mortality in COVID-19 patients in Southern KPK, Pakistan. J Pak Med Assoc. 2025 Nov; 65(11):1161-3. PMID: 26564284.