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An academic and laboratory professional with a background in Biochemistry and Medical Laboratory Technology, bringing over a decade of experience in teaching, academic leadership, curriculum development, assessment, laboratory diagnostics, and applied research. Currently serving as Lecturer and Director at Khyber Medical University, with a strong focus on strengthening Allied Health Sciences through structured curricula, outcome-based assessment, Tables of Specifications (TOS), faculty planning, quality enhancement, and student research supervision. Experienced in academic administration, institutional coordination, and laboratory practice across university, hospital, and diagnostic settings, with a continued research interest in laboratory diagnostics and clinically relevant biomedical research.

TECHNICAL & PROFESSIONAL SKILLS

- Curriculum innovation
- Outcome assessment
- Bloom's Taxonomy
- Assessment design

Accomplishments

- 2026 Rehman A, Ahmad M, Atif M, Ullah R, Wattoo FH. Effect of Habitual Smoking on Hematological and Biochemical Parameters in Adult Cigarette Smokers. Journal of Health, Wellness and Community Research, 4(11). DOI: 10.61919/kdhk3r77.
- 2025 Saleem MN, Mir A, Ullah U, Talha M, Nawaz H, Rehman A, Ullah R. The Association of Wagner Classification, Microbial Resistance, Impairments, and Glycemic Control With Diabetic Foot Ulcer Severity: A Multi-disciplinary Approach to Predict Severity and Outcome. Cureus, 17(8), e90914. DOI: 10.7759/cureus.90914.
- 2025 Talha N, Ullah S, Shah S, Afaq M, Ullah W, Ullah R, Rehman A. Correlation Between C-Reactive Protein and Syphilis Titers in Blood Donors at Hayatabad Medical Complex, Peshawar. Link Medical Journal of Health and Community Research, III(1). DOI: 10.61919/zv0fpx19.
- 2025 Wali S, Ud Din E, Gul U, Ullah R, Rehman A. Time-Dependent Variability of D-Dimer Level in Blood Sample of COVID Positive Patient. Insights-Journal of Health and Rehabilitation.
- 2024 Nawaz K, Khan SN, Bashir A, Rehman A, Khan MTM, Mir A, Ahmad S. Unraveling Impact of Hemoglobin F and A2 Levels: Correlation With Disease Severity and Treatment Response in Transfusion-Dependent Beta-Thalassemia. Cureus, 16(1), e52002. DOI: 10.7759/cureus.52002.
- 2023 Sanab M, Khan GR, Nasir S, Khan AA, Hussain Z, Rehman A. Sero-Prevalence of Brucellosis and Toxoplasmosis Among Butchers of District Karak, Pakistan. JPUMHS, 13(03), 82–86. DOI: 10.46536/jpumhs/2023/13.03.452.

Work history

● Director

Khyber Medical University, KP | May 2024 - Current

- Provided academic and administrative leadership to effectively implement university policies, statutes and regulations.
- Collaborated with faculty on workload planning, recruitment, performance evaluation and professional development to optimize use of institutional resources.
- Contribute to academic planning, curriculum review, assessment development and quality-related activities across Allied Health Sciences.
- Coordinated institutional and examination-related matters, ensuring orderly academic processes and timely decision implementation.

● Lecturer (BPS-18)

Khyber Medical University, KP | May 2019 - Current

- Taught biochemistry, medical instrumentation, and biosafety & biosecurity in allied health sciences programs, enhancing student understanding and application of critical concepts.
- Develop and review course content, learning outcomes, assessment plans and examination materials.

- Laboratory management
- Toxicology & Serological forensic investigation
- ISO compliance
- Biosecurity protocols
- Research: Lab research
- Scientific writing
- Undergraduate mentorship
- Strategic academic planning
- Faculty workload planning
- Institutional management
- Resource allocation

- Prepared and reviewed Tables of Specifications (TOS) to ensure comprehensive coverage of course content and alignment of assessments with intended learning outcomes.
- Supported practical and structured assessment activities while supervising undergraduate students in research and academic projects to foster independent inquiry and practical skills.

● **Biochemist (BPS-17)**

Khyber Medical College, KP, PK | 2016 - 2019

- Performed toxicological and serological analyses of medicolegal cases from the KP region.
- Supported students in developing laboratory diagnostic skills for academic and research work.
- Conducted biochemical analysis to support research initiatives and clinical studies.
- Developed and optimized laboratory protocols for various biochemical assays.
- Collaborated with multidisciplinary teams to interpret experimental data and drive project outcomes.

● **Lecturer**

STMU, Islamabad | 2015 - 2016

- Reviewed lesson plans and course content to support student-centered learning.
- Organized laboratory and study sessions to strengthen students' understanding of subject matter.
- Developed and delivered engaging curriculum aligned with academic standards.
- Conducted assessments to evaluate student progress and understanding of course material.
- Facilitated interactive discussions to enhance student participation and critical thinking skills.

● **Laboratory Manager**

NORI Hospital | 2014 - 2015

- Coordinated education and training activities for medical technology students.
- Participated in ISO 15189 certification activities and supervised daily quality control and proficiency testing.
- Oversaw laboratory operations, ensuring compliance with safety and quality standards.
- Developed and implemented protocols to optimize workflow efficiency and accuracy.
- Managed budgeting and resource allocation for laboratory supplies and equipment.

● **Laboratory Supervisor**

BioCare Pvt. Ltd., Islamabad | 2009 - 2014

- Managed internal and external quality control, special testing, laboratory inventory and training of interneers.
- Supervised laboratory operations, ensuring compliance with safety and quality standards.
- Implemented process improvements to enhance workflow efficiency and reduce turnaround times.
- Trained and mentored staff on best practices for laboratory procedures and equipment usage.

● Medical Lab Technologist

Excel Lab Pvt. Ltd., Islamabad | 2008 - 2009

- Performed routine and special chemistry testing, worked with pathologists in identifying abnormalities, and maintained laboratory inventory.
- Conducted complex laboratory tests to ensure accurate diagnosis and treatment of patients.
- Operated and maintained advanced laboratory equipment for optimal performance and reliability.
- Analyzed test results to assist healthcare providers in making informed medical decisions.

EDUCATION

January 2014

MPhil in Biochemistry

PMAS-Arid Agriculture University, Rawalpindi

January 2012

MSc in Biochemistry

PMAS-Arid Agriculture University, Rawalpindi

January 2008

Bachelor of Science in Medical Laboratory Technology

University of The Punjab, CMLT NIH, Islamabad

Certifications

Certificate in Health Professions Education (CHPE) | Khyber Medical University | 2025

Languages

● ● ● ● ○ ○

English

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Urdu



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Personal Information

Title: MPhil Biochemistry | Lecturer (BPS-18) | Academic Leadership & Curriculum Development

ACADEMIC & INSTITUTIONAL CONTRIBUTIONS

- Curriculum review and development for Allied Health Sciences academic programs.
- Preparation and review of TOS for structured university examinations.
- Assessment planning linking course learning outcomes, cognitive levels and examination content.
- Academic planning and faculty workload coordination, identification of visiting faculty requirements.
- Support for program review, quality assurance and academic documentation.
- Supervision and mentoring of undergraduate research and laboratory-based academic work.

CURRENT ACADEMIC POSITION

Lecturer (BPS-18), Khyber Medical University | Additional responsibility: Director