

ABU SHAHMA

Assistant Professor – Medical Laboratory Science

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PROFESSIONAL SUMMARY

Dedicated and detail-oriented Medical Laboratory Science postgraduate and Assistant Professor with a strong academic background, clinical laboratory training, teaching experience, and research experience in HIV diagnostics and treatment monitoring. Currently serving as an Assistant Professor in Medical Laboratory Science at Maulana Azad National Urdu University (MANUU), Hyderabad, under the Allied Health Programme.

Experienced in classroom and practical teaching, student guidance, academic assessment, laboratory-based training, departmental coordination, academic documentation, and other faculty responsibilities. Strong practical foundation in Hematology, Clinical Biochemistry, Immunology and Serology, Clinical Microbiology, Clinical Pathology, laboratory quality control, quality assurance, sample collection and processing, and laboratory instrumentation.

Committed to student-centred learning, academic development, research, and continuous professional growth in Medical Laboratory Science.

PROFESSIONAL EXPERIENCE

**MAULANA AZAD NATIONAL URDU UNIVERSITY (MANUU),
HYDERABAD**

**Assistant Professor – Medical Laboratory Science
24 August 2026 – Present**

- Teaching undergraduate students in Medical Laboratory Science through classroom-based and practical sessions.
 - Planning and delivering lectures, practical demonstrations, presentations, and other academic activities.
 - Preparing lecture materials, presentations, assignments, practical teaching resources, and assessment materials.
 - Guiding and supporting students in academic learning, practical training, assignments, presentations, and related activities.
 - Conducting and evaluating internal assessments, practical assessments, assignments, and other academic evaluations.
 - Supporting laboratory-based teaching and practical learning activities within the department.
 - Participating in departmental academic activities, meetings, examinations, student-related activities, and institutional responsibilities.
 - Assisting with academic coordination, departmental documentation, scheduling, student records, and other faculty-related activities.
 - Supporting the organisation and coordination of academic programmes, student activities, events, and departmental initiatives.
 - Undertaking additional academic and administrative responsibilities assigned by the department or university.
 - Contributing to the smooth functioning of departmental academic and administrative activities.
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MEDICOVER HOSPITALS, HI-TECH CITY, HYDERABAD

Postgraduate Internship – Medical Laboratory

Duration: 6 Months

- Performed sample collection, processing, and handling.
 - Assisted in Hematology, Biochemistry, Immunology, Microbiology, and Clinical Pathology testing.
 - Maintained laboratory quality control and documentation.
 - Followed laboratory safety and infection control protocols.
 - Assisted in routine diagnostic procedures and reporting.
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MEDICOVER HOSPITALS, HI-TECH CITY, HYDERABAD

Undergraduate Internship – Medical Laboratory

Duration: 6 Months

- Gained hands-on experience in clinical laboratory operations.
- Assisted in specimen processing and laboratory investigations.
- Gained exposure to laboratory instrumentation and reporting procedures.
- Worked under supervision across various diagnostic departments.

EDUCATION

M.Voc. MEDICAL LABORATORY TECHNOLOGY

Maulana Azad National Urdu University (MANUU), Hyderabad
2024 – 2026

CGPA: 9.71/10

University Topper – ACSE 2024 - 2025

B.Voc. MEDICAL LABORATORY TECHNOLOGY

Maulana Azad National Urdu University (MANUU), Hyderabad
2020 – 2023

CGPA: 8.88/10

INTERMEDIATE

Muslim Inter College, Mau, Uttar Pradesh
2020
Percentage: 69.4%

RESEARCH PROJECTS

POSTGRADUATE RESEARCH PROJECT

Correlation of CD4 Count with Hematological Parameters and Evaluation of TLC as a Surrogate Marker in HIV Patients

- Investigated the relationship between CD4 count and hematological parameters in HIV patients.

- Evaluated Total Lymphocyte Count (TLC) as a potential surrogate marker for CD4 count.
 - Conducted data analysis, literature review, and scientific report preparation.
 - Applied statistical methods for interpretation of study findings.
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UNDERGRADUATE RESEARCH PROJECT

Epidemiology, Demography, and Lab Diagnosis of HIV – A Multicentre Study in South India

- Conducted a retrospective study on HIV diagnosis, patient care, and treatment.
- Studied HIV epidemiology, diagnostic methods, and treatment monitoring.
- Reviewed laboratory diagnostic techniques, including CMIA, ECLIA, rapid tests, CD4 count, and viral load testing.
- Participated in data analysis and dissertation preparation.

CERTIFICATIONS & TRAINING

- **Awareness of Quality Control in Medical Laboratories** – Foundation for Quality India (FQI), MANUU, Hyderabad, 2023
- **National Cancer Awareness Day Webinar** – “Cancer: Where Prevention is Cure,” MANUU, Hyderabad, 2021
- **Fundamentals of Quality Assurance** – Alison, CPD Certified
- Participated in **Two One-Day Health Awareness / Medical Camps**

TECHNICAL SKILLS

Medical Laboratory Skills

- Hematology
- Clinical Biochemistry
- Immunology & Serology
- Clinical Microbiology
- Sample Collection & Processing
- Laboratory Quality Control (QC)
- Quality Assurance (QA)
- Laboratory Instrument Handling

Academic & Teaching Skills

- Classroom Teaching
- Academic Presentations
- Assessment & Evaluation
- Academic Documentation
- Academic Event Coordination

LANGUAGES

- English, Hindi, Urdu
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