

Name : Dr WAJIHUS SHAMS
Qualification : DMLT, B.Sc MLT, MMLT, Ph.D.MLT
Designation : Assistant Professor
Phone No : +91-8686223367
Email : shams80@manuu.edu.in
Area of Research: In the field of Medical Laboratory sciences



Career Objective:

To enhance my professional skills and pursue a progressive academic career in the field of **Medical Laboratory Technology**, contributing to excellence in **teaching, research, and diagnostic laboratory sciences**. I aim to utilize my academic knowledge, laboratory expertise, and teaching experience to effectively **train and mentor students in modern clinical laboratory techniques**, ensuring high standards of professional competence and ethical practice. I also aspire to actively engage in **research, academic innovation, and institutional development**, while contributing to the advancement of medical laboratory sciences and the improvement of healthcare diagnostics.

Working Experience

(23+years) In the field of Medical Laboratory Technology.

Teaching Experience

(5 + years)

Teaching, under graduate , Post graduate & Ph.D. students of **Medical Laboratory Technology (MLT)**.

- **Delivering** theory lectures and practical laboratory training **in various areas of clinical laboratory sciences**.
- Guiding **student research projects and dissertations** in diagnostic laboratory sciences.
- Training students in **modern laboratory techniques, quality control procedures, and diagnostic methods**.
- Supervising **clinical laboratory practices and hands-on diagnostic procedures**.
- Assisting in **curriculum implementation, academic mentoring, and student assessment**.

Publications:

- **Article:** Redox Imbalance In Hypertension And CKD: A Case–Control Comparison
- **Article:** Machine Learning Identification of Oxidative Stress Biomarkers for Early Chronic Kidney Disease Detection.
- **Article :** Burden of Anemia among Hospitalized Patients : An Observational Study
- **Article:** Prospective Analysis of Pulmonary Embolism Detection via CTPA.
- **Article:** “Pharmacokinetics of Drug Absorption and Metabolism: Mechanisms, Influencing Factors, and Screening Strategies in Drug Developments.
- **Article:**“A recent overview of in Vivo and in Vitro Models for evaluating the efficacy of antiviral Medication” published in African journal of biological science.

Book Chapters

- Chapter: 4 Understanding Machine Learning for Patient Education in book titled “Artificial Intelligence in Patient Counseling” : A Collaborative Approach to Sustainable Future” Published in 2026 in Elsevier Publication
- Unit 5: Compound Microscope - Parts and their functions. Published in CDOE -MANUU

- Unit 6: Cell size and Morphology of Prokaryotic and Eukaryotic Cell. Published in CDOE - MANUU
- Unit 7: Trypan blue exclusion test for cell viability. Published in CDOE -MANUU
- Unit 8: Chromatin Model Preparation. Published in CDOE –MANUU

Research Guidance / Project Supervision

Supervised B.Voc/ M.Voc Medical Laboratory Technology (MLT) student research projects in various areas of clinical laboratory science.

- Retrospective Study of CSF Cell Count and Chemistries in Bacterial Meningitis — **Supervised 7** students
- Crystals Analysis in Urine — **Supervised 7** students
- FNAC and Histopathological Correlation of Breast Lesions — **Supervised 6** students
- Retrospective Statistical Analysis of Endometrial Biopsies in Women — **Supervised 6** students
- Seropositivity Patients Prevalence Rate at Omega Hospital Hyderabad: Laboratory Studies of Sera Screenings — **Supervised 6** students
- Cytological Features of Pleural and Ascetic Fluids in Malignancies — **Supervised 1** student
- Evaluation of Anemia in Cancer Patients: A Comprehensive Analysis — **Supervised 1** student
- Correlation of Thyroid Profile with Kidney Dysfunction in CKD Patients — **Supervised 1** student
- Role of PSA in Early Detection of Prostate Cancer — **Supervised 1** student

Total Projects Supervised: 9

Total Students Guided: 36+

Orientation/FDP/FIP Programme:

- Attended faculty Induction programme Organized by **UGC-Malviya Mission teacher training Centre (MMTTC) MANUU**, Hyderabad from 6th July to 1st August 2026.
- Attended Faculty Development Programme on University Teaching Principle and Ethical Use of AI Tools for Research and Publications” Organized by Radiology & Imaging Technology Association at **SRM Medical College Hospital and Research Centre - Chennai**, on 28th February 2026.
- Attended Faculty Development Programme on NCAHP Implementation Awareness Programme with Expert Panel Discussion” Organized by Radiology & Imaging Technology Association at **SRM Medical College Hospital and Research Centre - Chennai**, on 28th February 2026.
- Attended Cascading training under the Rashtriya Karmayogi large Scale Jan seva program(RK-LSJSP) in October 2025 at MANUU.
- Attended online Refresher course Programme in Life Sciences Organized by **UGC – MMTTC Pondicherry University** September 2025
- Attended online Refresher course Programme in Multiculturalism Organized by **UGC-MMTTC, MANUU, Hyderabad** In July 2025
- Attended online NEP 2020 Orientation & sensitization programme under Malviya Mission Teacher training Programmer, Hyderabad under(MM-TTP)of **UGC-MMTTC, MANUU**,

Hyderabad in February 2024

- Attended online Faculty Development Programme on Research paper writing (Enhancing Research productivity strategies & best practice) organized by school of Allied Health Science **Noida International University of Medical science** in July 2024.
- Attended faulty Induction programme Organized by **UGC-Malviya Mission teacher training Centre (MMTTC) MANUU, Hyderabad** from 18th to 19th August 2024.

Conferences, Workshops & Academic Activities

- Participated in the 02 days National workshop cum conference on “RT-PCR, NGS-(Next Gen Sequenceing) and NAATs- Nucleic Acid Amplification Technologies in Molecular Diagnostics-Learning Professionally for Next Gen Labs” Organised by **CRIS DNA Labs, Dehradun, Uttarakhand** on 11th & 12th September 2026.
- **Convener, One-Day Workshop on Basic Life Support (BLS)**, organized at **MANUU, March 2026**.
- **Paper Presented, National Conference on “Emerging Trends in Diagnostic Radiology”**, organized by the **School of Sciences, MANUU, Hyderabad, 26 February 2025**.
- **Coordinator, Medical and Health Camp**, organized at **Maulana Azad National Urdu University (MANUU), Hyderabad, October 2024**.
- **Paper Presented, International Urdu Science Conference on Science for Sustainable Future (IUSC-2024)**, organized by the **School of Sciences, MANUU, Hyderabad, 4–5 March 2024**
- **Paper Presented, National Conference on “Communication and Innovation for SDGs: A Key Towards Transformation of the World”**, organized by **Usha Martin University, Ranchi, 7th –8th December 2023**.
- **Organizing Team Member, Workshop-cum-Training Programme on “Quality Control in Medical Laboratories”**, **August 2023**.
- **Participant, International Workshop on “Sample Size and Publication Ethics”**, organized by **NIMS Nursing College, NIMS University, Jaipur, Rajasthan, 17th –19th January 2023**.
- Assisted in organizing **multiple Blood Donation Camps** at **Ibne-E-Sina Health Centre, MANUU, Hyderabad**.
- Assisted in organizing **Dental and Eye Health Camps** at **Ibne-E-Sina Health Centre, MANUU, Hyderabad**

Member/Coordinator of Academic Bodies:

- **Paper setter** ET , PG Allied & Healthcare programme, **MANUU**
- **Member ,School Board**, School of science, **MANUU, Hyderabad**
- **Member,Board of studies**, Department of Vocational studies& skill Development, **MANUU, School of science (2021-23)**
- **Member,Board of Studies**,Department of Vocational studies & skill Development,**MANUU,internal member from September 2023**
- **Coordinator - Academic coordinator** ,Department of Vocational studies & skill Development, **MANUU, Hyderabad**
- **Coordinator- Course coordinator M.VOC MLT**
- **Coordinator- Academic coordinator for B.VOC programme.**
- **Paper Setter and Evaluator**, **Maulana Azad national Urdu University, Hyderabad.**
- **Member of Designing & updating New curriculum**,Department of Vocational studies & skill development, **MANUU, Hyderabad 2021-23**

Examination / Evaluation:

- **Verification Officer**, Certificate Verification, UG Allied & Healthcare programme, School of Sciences - September 2026
- **Observer**, Entrance Examination (Regular Mode), MANUU — 2024
- **Observer**, Entrance Examination (Regular Mode), MANUU — 2025
- **Observer**, ODL Semester / Annual Examinations, MANUU — May–June 2025
- **Coordinator**, Examination & Evaluation Committee, MANUU
- **Certificate Verification Officer**, CUET-UG Admission Process — 2024
- **Verification Officer**, Certificate Verification, School of Sciences — July 2025
- **Polling & Counting Officer**, MANUU Students' Union Election — 2023–24
- **Election Officer (EOS)**, Headquarter MANUU Students' Union Election — 2024

Administrative Experiences

Pathological laboratory

- **Consulting Expert**, Laboratory Health Centre, MANUU (since November 2025)
- **Member**, Health Monitoring Committee (since March 2024)
- **Path Lab In-Charge**, Ibn-e-Sina Health Centre Laboratory, MANUU (approximately 17 years)
- Worked with Ashirvad Advanced Diagnostics & Medicare Limited, Patna as a Lab-In charge and as a faculty in Dept. of Pathology under Ashirvad Foundation from 2003 to February 2007.

Student Welfare and Hostel Administration

- **Warden**, Health, Hygiene and Recreation Committee — Sir Syed Ahmad Khan Boys Hostel-2, MANUU (since October 2023)
- **Warden**, Mess, Health, Hygiene and Recreation Committee — Boys Hostel-3 A & 3B, MANUU (since November 2024)
- **Warden**, Mess, Health, Hygiene and Recreation Committee — Shibli Nomani Hostel (Boys Hostel-3 A Block) MANUU (since 27 November 2024)
- **Member**, Boys Hostel Committee for addressing student grievances (since November 2024)
- **Convener**, Boys Hostel Committee to investigate incidents related to hostel property damage
- **Member**, Committee for updating Hostel Manual (Academic Year 2025–26)
- **Member**, Hostel Seat Allotment Committee (HSAC) for Boys & Girls Hostels (Academic Year 2025–26)
- **Member**, Committee for monitoring students' diet attendance (BH-III B)

Academic & Institutional Committees

- **Member**, Health Monitoring Committee (since March 2024)
- **Member**, Campus Development Committee (since November 2025)
- **Member**, SIP-Deeksharambh Committee (2025–26)
- **Coordinator**, SIP Programme, Department of Vocational Studies & Skill Development (SOS) (2025–26)
- **Member**, Merit Preparation-cum-Hostel Admission Committee (Academic Year 2024–25)
- **Member**, Abstract Committee, International Urdu Science Conference (since March 2024)
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Academic Events & Programme Coordination

- **Coordinator**, Co-Curricular Activities (Cultural & Literary Events), MANUU — Academic Year 2025–26.
- **Coordinator**, Co-Curricular Activities (Literary Events), MANUU — Academic Year 2024–25
- **Coordinator**, Co-Curricular Activities (Literary Events), MANUU — Academic Year 2023–24.
- **Coordinator**, Entrepreneurship Awareness Programme “Equipping India Youth for the Future”, MANUU — August 2024
- **Internal Committee Member**, National Conference on *Emergency Trends in Diagnostic Radiology*, School of Sciences, MANUU — February 2025
- **Member**, Azad Literary Festival (Mehfil-e-Afsana), Azad Day Celebrations — 2025
- **Member**, Debate Committee, Azad Day Celebrations — 2025
- **Member**, Staff Children Programme, Azad Day Celebrations — 2024
- **Member**, “Har Ghar Tiranga” Programme organized by CAC under the aegis of DSW, MANUU — August 2025
- **Coordinator**, Secretaries Meet — 2025

Personal Profile

Name	:	Wajihus Shams
Date of Birth	:	1 st Feb 1980
Father's Name	:	Md Abul Lais
Marital Status	:	Married
Gender	:	Male
Nationality	:	Indian
Language	:	Urdu, Hindi & English

PLACE- Hyderabad
Date - 13th March 2026

Wajihus Shams