

AYMEN MUDAWE NURAIN MUDAWE, PhD

Consultant Medical Microbiologist

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PROFESSIONAL SUMMARY:

Highly accomplished Consultant Medical Microbiologist with over 20 years of comprehensive experience in diagnostic oversight, infection control, laboratory management, and academic research. Expert in diagnostic interpretation, antimicrobial therapy, and MDT collaboration. Holds a Ph.D. in Medical Microbiology from the University of Khartoum. Proven track record of published research focusing on antimicrobial resistance and healthcare-associated infections.

CORE COMPETENCIES:

Clinical Expertise: Diagnostic Interpretation, Antimicrobial Therapy, Infection Control, Epidemiology.

Laboratory Leadership: Laboratory Techniques, Quality Management, Risk Management, Lab Operations.

Professional Skills:

Systems Thinking, Effective Communication, Report Writing, MDT Collaboration.

Academic: Academic Research, University Teaching, Program Coordination.

PROFESSIONAL EXPERIENCE:

Consultant Microbiologist:

Shakreen Medical Centre (Gedaref, Sudan) | 01/2025 – Present

Doctors Clinics (Gedaref, Sudan) | 2023 – 2025

Alrayan Medical Centre (Gedaref, Sudan) | 2023

Almamoura Clinics (Khartoum, Sudan) | 2017 – Present

Radiation & Isotopes Centre (RICK) (Khartoum, Sudan) | 2008 – Present

Laboratory Manager:

Al-Doha Specialized Hospital (ENT) (Khartoum, Sudan) | 2013 – Present

Kuwaiti Specialized Hospital (Khartoum, Sudan) | 2012 – 2017

Al-Shahida Mayada Specialized Hospital (Khartoum, Sudan) | 2007 – 2013

Saudi Sudanese Laboratory (Khartoum, Sudan) | 2001 – 2012

Mazar Specialized Hospital Medical Laboratory & Blood Bank | 2000 – 2001

Academic & Clinical Roles:

Delta University of Science and Technology: Dean of Medical Laboratory Program & Assistant Professor | 2016 – Present

Almanhal Academy of Sciences: Assistant Professor, Department of Medical Microbiology

The Academy Charity Teaching Hospital: Department of Medical Microbiology | 1999 – 2001

Gedaref Teaching Hospital: Dept. of Medical Laboratories & Blood Bank | 1997 – 1999

EDUCATION:

PhD in Medical Microbiology | University of Khartoum | 2015

MSc in Microbiology | College of Medicine, University of Juba | 2005

BSc in Medical Laboratory Sciences | University of Khartoum | 1997

PUBLICATIONS:

Epidemiological Aspects and antibiotics Susceptibility Patterns of *Streptococcus pyogenes* isolated from Subjects with Tonsillitis, Sudan. Sudan Journal of Medical Sciences (2023).

Sero-detection of Epstein-Barr virus and Cytomegalovirus Antibodies among patients with Systemic Lupus Erythematosus in Sudan. Omdurman Journal of Pharmaceutical Sciences (2022).

Monitoring of the CD4+ T cell subsets among Sudanese HIV sero-positive individuals. Alquizum Scientific Journal (2022).

Pattern of Susceptibility Antibiotics against Clinical isolates of conjunctivitis from Sudanese patients in Khartoum state. Omdurman Islamic University Journal (2022).

Coagulation abnormalities (D. Dimer) induced by Beta-Lactam antibiotics among Sudanese patients in Khartoum state. Delta College for Science and Technology Journal (2021).

The Currency of Aerobic Nosocomial Bacterial Infections amid Cancer Patients and Antibiotics Exemplar at Khartoum Oncology Hospital, Sudan. African Journal of Medical Sciences (2021).

Challenge of *Pseudomonas aeruginosa* infection among cancer patients at Khartoum Oncology Hospital-Sudan. Delta College for Science and Technology Journal (2020).

The Frequency and antimicrobial resistance patterns of nosocomial pathogens recovered from cancer patients and hospital environment. Asian Pacific Journal of Tropical Biomedicine (2015).

Phenotypic and genotypic characterization of bacterial species associated with nosocomial infections at Radiation and Isotope Centre-Khartoum (RICK)-Sudan. Khartoum Medical Journal (2015).

CERTIFICATIONS & MEMBERSHIPS:

Member: Sudanese National Council for Medical and Health Professions | 2025 _ Present.

Member: American Society for Microbiology (ASM) | 2013 – Present.

Member: Medical Laboratory Scientific Council, Sudan Medical Specialization Board | 2017 – Present.

Member: Deans Council, Delta University of Science and Technology | 2017 – Present.

Member: Sudanese National Council for Medical & Health Professions | 2015 – 2018.

Certification: Quality Management for Medical Laboratory | Higher Council for Total Quality & Excellence (2015).

Certification: University Teaching Certification Suite | Khartoum University (2014).

Professional Training: Basic Life Support (BLS) & AED Provider (2022).

Technical Training: Preventive Maintenance of Laboratory Equipment (WHO & FMOH).

LANGUAGES:

Arabic: Native

English: Professional Proficiency