

YASER ALI H. MUSAWA, PH.D.

Medical Microbiologist | Infection Prevention & Control Specialist | Academic Researcher

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PROFESSIONAL SUMMARY

Dedicated Medical Microbiologist and IPC Specialist with over 15 years of experience in clinical diagnostics, academic instruction, public health training, and research. Holder of a Ph.D. in Medical Microbiology with a research focus on pediatric respiratory viral pathogens. Proven track record in laboratory leadership, infection control program development, and delivering high-impact training in collaboration with international health agencies (WHO, UNICEF, GAVI, EU). Fluent in Arabic, English, and Turkish, with strong expertise in molecular diagnostics, quality management (ISO), and pandemic preparedness.

EDUCATION

PH.D. IN MEDICAL MICROBIOLOGY

Institute of Health Sciences, Necmettin Erbakan University, Konya, Türkiye Completed: June 2025

M.SC. IN MEDICAL MICROBIOLOGY

Faculty of Medicine and Health Sciences, Sana'a University, Yemen Graduated: June 2012

B.SC. IN MEDICAL LABORATORIES

Faculty of Medicine and Health Sciences, Sana'a University, Yemen Graduated: June 2005

PROFESSIONAL EXPERIENCE

TRAINER IN INFECTION PREVENTION AND CONTROL (IPC)

Self-Employed / Consultant – Sana'a, Yemen January 2016 – Present

- Designed and delivered over 15 national IPC training workshops for MoPHP, EU, GAVI, and UNICEF.
- Developed training materials for the National IPC Manual (2020) and led preparedness sessions for COVID-19 response.
- Trained hospital IPC focal points and supported establishment of IPC teams across public and private facilities.

LECTURER IN MEDICAL MICROBIOLOGY

21 September University of Medical & Applied Sciences – Sana’a, Yemen September 2015 – Present

- Teach undergraduate courses in medical microbiology, bacteriology, virology, and diagnostic methods.
- Supervise student research projects and contribute to curriculum development.

HEAD OF MOLECULAR BIOLOGY AND GENETIC ANALYSES LABORATORY

48 Model Hospital – Sana’a, Yemen August 2011 – January 2017

- Managed advanced molecular diagnostics (PCR, Real-Time PCR) and ensured compliance with international quality standards.

HEAD OF INFECTION CONTROL COMMITTEE

48 Model Hospital – Sana’a, Yemen September 2010 – June 2016

- Led hospital-wide surveillance, policy development, and outbreak investigations to reduce HAIs.

HEAD OF LABORATORY DEPARTMENT

48 Model Hospital – Sana’a, Yemen January 2009 – July 2010

PUBLICATIONS

Musawa, Y. A. H., Esenkaya Taşbent, F., & Özdemir, M. (2025). Investigating Respiratory Viral Pathogens in Pediatric Age Groups. *Journal of Pediatric Infectious Diseases*, 20(3), Article 8. <https://doi.org/10.53391/1305-7707.1028>

Alshamahi, E. Y. A., Al-Shamahy, H. A., Musawa, Y. A., & Al-Shami, H. Z. (2020). Bacterial Causes and Antimicrobial Sensitivity Pattern of External Ocular Infections in Selected Ophthalmology Clinics in Sana’a City. *Universal Journal of Pharmaceutical Research*, 5(3). <https://doi.org/10.22270/ujpr.v5i3.409>

Nagi, A. AL-Haj, Musawa, Y. A., & Al-Shamahy, H. (2019). Prevalence, Serotyping and Associated Factors of HIV Among AIDS Patients. *International Journal of Scientific Research*, 8(5), 138–143. ISSN: 2277-8179

CERTIFICATIONS & PROFESSIONAL TRAINING

- Genomic Technologies in Clinical Diagnostics: Next Generation Sequencing – St George’s, University of London (2018)
- Health Security Futures Fellowship – Health Security Partners (2020–2021)
- Total Quality Management & ISO 9001/14001 – National Institute for Micro, Small & Medium Enterprises, India (2014–2015)
- Healthcare and Pandemic Preparedness – Nanyang Technological University, Singapore (2014)
- Hands-On Applications on Leukemia Diagnostic Techniques Using Real-Time PCR – Al-Faiha, Yemen (2013)
- Chemical Safety & Security Through Forensic Chemistry – MEIS & Lawrence Livermore National Laboratory, Jordan (2013)
- Product Introduction Training (Genomic DNA, RNA, PCR, Diagnostic Assays) – QIAGEN, Germany (2012)
- Training of Trainers (TOT) – Rochd International Centre for Human Development (2011)
- Modern Management for Hospitals – Federation of Yemeni Private Hospitals (2013)

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (C1), Turkish (C1)

Digital Skills: Microsoft Office (Word, Excel, PowerPoint, Outlook), Google Workspace (Docs, Drive)

Volunteering: Participated in phlebotomy camp for thalassemia and sickle cell anemia patients (Sana’a University, 2012)

Conferences: Regular participant in national scientific forums on IPC, oncology, epilepsy, and war surgery (2010–2013)