

Curriculum Vitae

Dr. Mahmoud A. Abushiba
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Personal Information

- Nationality: Libyan
- Date & Place of Birth: 10 Dec 1973, Tarhuna, Libya
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- Google Scholar: https://scholar.google.com/citations?user=sJRDYskAAAAJ&hl=en

Academic Qualifications

- Ph.D. in Medical Microbiology – Ain Shams University, Cairo, Egypt (2020)
- M.Sc. in Microbiology – Libyan Academy, Tripoli, Libya (2008)
- B.Sc. in Medical Laboratory Technology – University of Misurata, Libya (1997)

Academic Positions and Appointments

- Vice Dean for Academic Affairs, Faculty of Medicine, Azzaytuna University (June 2024 – Present)
- Head, Department of Microbiology and Immunology, Faculty of Medicine, Azzaytuna University (March 2024 – Present)
- University Lecturer, Faculty of Science, Azzaytuna University (March 2020 – March 2024)
- Head, Biology Department (Botany, Zoology, and Microbiology divisions), Faculty of Science, Azzaytuna University (2022–2024)
- Lecturer Assistant, Faculty of Science, Azzaytuna University (2008–2016)
- MSc Researcher, Biotechnology Research Center, Libya (2005–2008)

Research Interests and Skills

- Medical Bacteriology – Pathogenicity and Control
- Antibiotic Resistance, MRSA, and Antimicrobial Synergy
- Clinical and Diagnostic Microbiology
- Biofilm Formation and Nosocomial Infections
- Nanobiotics, Nanomedicine, and Biological Synthesis of Nanoparticles
- Infection Control and Medical Nanotechnology

Teaching Experience

Main Teaching Areas:

- General Microbiology, Medical Microbiology, Diagnostic Microbiology
- Medical Mycology, Medical Virology, Medical Parasitology
- Cytology, Molecular Biology, Microbial Genetics, Genetic Engineering
- Antibiotics, Dental Microbiology, Biotechnology

Other Courses:

- Hematology, Histology, Hormonology, Enzymology
- Primary Health Care, Medical Terminology, Applied Zoology

Academic Supervision

Supervised several BSc research projects in Medical Microbiology and Bacteriology focusing on antibiotic resistance, microbial pathogenicity, and molecular diagnostics.

Publications

1. Mohamed, H. D. A., **Abushiba**, M. A., Saaid, A. G., & Mohamed, Z. M. K. (2025). Interactions of Transition Metal Ions with DNA: A Review of AFM and FTIR Studies for Structural Insights and Nanostructures Fabrication. African Journal of Advanced Pure and Applied Sciences (AJAPAS), 245-261.
2. **Abushiba**, M., Alnuori B., Elmarid A. (2024). Evaluation of the Efficacy of Dettol and its Antimicrobial Activity with Artemisia spp Extract. Science & Technology Development Journal, 5(1), 228–243.
3. **Abushiba**, M. et al. (2023). Antibacterial, Antifungal, and Cytotoxicity Activity of Drimia maritima. Rwafed Al-Maerefah Journal, Faculty of Sciences, Azzaytuna University.
4. El-Sherbiny, G. M., Kalaba, M., Sharaf, M. H., **Abushiba**, M. A., et al. (2022). Biogenic Synthesis of CuO-NPs as Nanotherapeutic Approaches to Overcome MDRSA. Artificial Cells, Nanomedicine & Biotechnology, 50(1), 260–274.
5. Ismail F., Haq S., Aiayad M., **Abushiba** M., Zorgani A. (2021). Antibiotic resistance patterns of urinary pathogens in outpatients and inpatients: A report from Eastern Libya. Int J Urol Nurs. [DOI:10.1111/ijun.12301]
6. **Abushiba**, M. et al. (2019). Enhancement of Antibiotics Activity by Microbially Synthesized Silver Nanoparticles. African Journal of Biological Sciences, 15(1), 137–153. [DOI: 10.1080/21691401.2022.2126492]

Conferences, Workshops, and Training Courses

- Design of Experiments (DOE) Course – ESDAN Consulting Group, Cairo, Egypt (2017–2018)
- Chromatographic Analysis – Regional Center for Mycology and Biotechnology, Al-Azhar University (2019)
- Application of Electron Microscope in Nanobiology – Ain Shams University (2019)
- The Third International Scientific Conference of the Faculty of Science, Ain Shams University – “Science for Life” (Hurghada, Egypt, 2019)
- Online Workshop: COVID-19 Vaccines Demystified – MBRF & UNDP, Dubai, UAE (2021)
- Antibiotic Resistance and Natural Therapies – Al-Maaref University College, Iraq (2021)
- Health and Environmental Risks of Nanotechnology – University of Basrah, Iraq (2021)
- Workshop: PCR Devices – Faculty of Medicine, Tripoli University, Libya (2024)
- Participant, Training Workshop on Quality, Governance, and Accreditation in Higher Education, Libyan Academy, Tripoli, Libya, August 16–18, 2024.
- Organizing Committee Member, the Libyan International Conference for Basic Medical Sciences and Biomedicine, Faculty of Pharmacy, Omar Al-Mukhtar University, Al-Bayda, Libya, September 23–24, 2024.

Professional Memberships

- Member, American Society for Microbiology (ASM)
- Chairman, Scientific Committee, Rwafed Al-Maerefah Journal
- Member, University Committee for Local and International Rankings, Azzaytuna University
- Scientific Journal Reviewer: Reviewer for international and local peer-reviewed journals, including:
    - Microbes and Infectious
    - International Science and Technology Journal (ISTJ)