

# Muayad A. Mahmud

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## WORK EXPERIENCE

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### **Nuclear Medicine Manager, Medya Diagnostic Center, Erbil, Iraq**

March 2017 – Present

With 7 years of experience as a Nuclear Medicine Manager at Medya Diagnostic Center (MDC) in Erbil, Iraq, I have played a pivotal role in maintaining and enhancing the quality of medical services. MDC's medical lab, accredited by the College of American Pathologists (CAP) since 2013, underscores our commitment to high standards.

Responsibilities and Role:

- Since 2019, I have been managing product sales for the American company Capintec, a Mirion Medical Company, as well as for Turkish Eczacıbaşı Monrol Nuclear Products and Epsilon Radioactive Sources in Iraq.
- Leadership and Management: I oversee the cyclotron facility and SPECT/CT departments, ensuring smooth operations and maintaining high-quality standards in diagnostic imaging and nuclear medicine.
- Quality Control: I implement and monitor strict quality control protocols to meet CAP accreditation requirements and ensure accurate and reliable diagnostic results.
- Team Supervision: I lead and train a team of nuclear medicine technologists, radiologists, and support staff, fostering a collaborative and efficient work environment.
- Equipment Maintenance: I ensure the proper functioning and maintenance of sophisticated imaging equipment, including SPECT/CT scanners and cyclotron systems.
- Patient Care: I manage patient workflows and ensure exceptional patient care and safety during diagnostic procedures.
- Regulatory Compliance: I ensure compliance with national and international regulations and standards in nuclear medicine and radiology.
- Accomplishments:
  - Enhanced Diagnostic Accuracy: I have successfully maintained high diagnostic accuracy and reliability, contributing to MDC's reputation for excellence in medical services.
  - Operational Efficiency: I have streamlined operations within the cyclotron facility and SPECT/CT departments, improving turnaround times for diagnostic results.
  - Continuous Improvement: I have implemented continuous improvement initiatives, incorporating the latest advancements in nuclear medicine technology and practices.
  - Accreditation Maintenance: I have played a key role in maintaining CAP accreditation since 2013, ensuring ongoing compliance with stringent quality standards.
  - Professional Development: I have facilitated ongoing professional development and training programs for staff, keeping them updated with the latest industry standards and practices.
- My leadership and dedication have significantly contributed to the success and high standing of MDC in the region.

### **Faculty Member, Erbil Polytechnic University, Erbil, Iraq**

May 2005 – Present

I have 12 years of experience as a head of department, department coordinator, faculty member, lecturer, and researcher at Erbil Polytechnic University (EPU) in Erbil, Iraq. My responsibilities included leadership, curriculum development, and academic administration. I played a significant role in the establishment of both the Medical Laboratory and Nursing Departments at Shaqlawa Technical College, which is affiliated with EPU.

### **Research Technician, The University of Nottingham/Uk**

November 2015 – August 2016

Carried out various procedures under the supervision of Professor Andrew MacColl at the Life Sciences School. This was associated with fish dissection and histological examination, ecology of freshwater fish, especially stickleback, fish parasitology, fieldwork and population genomics.

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## EDUCATION

### **Life Sciences School, University of Nottingham/UK**

2012-2015

Doctor of Philosophy – PhD, Evolutionary ecology of virulence

During my PhD in Microbiology, I completed numerous training courses that enriched my expertise in various areas, including soft skills, molecular techniques, statistics, lab and health safety, animal husbandry, and fieldwork. The fieldwork was conducted in various locations throughout England and Scotland.

### **Abasaheb Garware College of Arts and Science, Savitribai Phule Pune University, Pune, India.**

2007-2010

Master of Science – MS, Microbiology

During my MS in Microbiology, I focused on bacterial isolation and identification, particularly the ecological interactions between bacteria and bacteriophages. I investigated the potential development of bacteriophage therapy for the gram-negative bacterium *Pseudomonas aeruginosa*. To identify bacteria, I employed both standard microbiological procedures and molecular techniques.

### **College of Science, Salahaddin University-Erbil, Iraq**

2000-2004

Bachelor of Science – BSc, Biology

During my Bachelor of Science (BSc) in Biology, I learned how to write clearly about science. I got good at writing scientific reports, research papers, and essays. I learned how to organize my ideas logically and explain my experiments well. I also got better at reading and understanding scientific articles, interpreting data from experiments, and connecting it to bigger ideas in biology. Giving and getting feedback from classmates helped me improve, making sure I cited my sources correctly and adjusted my writing style for different kinds of biology work. These skills not only helped me in my studies but also in sharing scientific ideas clearly and contributing to biology research.

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## SKILLS

Analysis, Business Planning and Control System, Communication Skills, Flexibility, Learning Needs Analysis, Management Skills, Organizational Development, Problem Solving Skills, Responsibility, Soft skills, Team Work

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## CERTIFICATION AND LICENSES

**First Aid at Work**

2016

**Leadership and Management of Vocational Training Institutions**

2011