

# **Meqdad S. AHMED**

**BVSc, MSc Biotechnology**

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## **Education and Qualifications**

### **A. Schooling**

1988-1993 Mohabad Primary School, Dohuk

1994-1996 Mame Alan Intermediate School, Dohuk

1997-2000 Brayaty Secondary School, Dohuk

### **B. University and postgraduate:**

#### **PhD in Vet. Biotechnology:**

- Started the PhD in Biotechnology since 1<sup>st</sup> of November 2020

#### **Master of Science (Biotechnology)**

- 2012-2013 Master of Science (Biotechnology) at Swinburne University of Technology, Faculty of Life and Social Science, Hawthorn campus, Melbourne, Australia.

Projects Achieved during study:

1. Molecular characterization of presumptive *Listeria Monocytogenes* Isolates from a Food Processing Environment (As major research project)
2. Comparative Methods for Detection of Small DNA Fragments

#### **Bachelor**

- 2001-2006 B.Sc. in Veterinary Medicine and Surgery at College of Veterinary Medicine, University of Duhok, Kurdistan, Iraq.

## **Associated Experience**

**2014- 2019      Co-Director of Duhok Research Centre, College of Veterinary Medicine, University of Duhok, Kurdistan Region, Iraq.**

### **2014- 2016      Assistant Lecturer**

- Teaching basic biology practical session at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, Kurdistan, Iraq.
- Teaching Molecular biology practical session at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, Kurdistan, Iraq.

### **2016- Now      Lecturer**

- Teaching basic biology practical session at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, Kurdistan, Iraq.
- Teaching Molecular biology practical session at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, Kurdistan, Iraq.
- Teaching Biotechnology practical semester at crop field department, College of Agriculture, University of Duhok, Kurdistan, Iraq.
- Teaching Molecular biology (theory and practical) at college of Medical science, University of Duhok.
- Teaching Biotechnology at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, and Kurdistan, Iraq.

**2023 - Now    Assistant Professor**

- Teaching Biotechnology at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, and Kurdistan, Iraq.
- Teaching Diagnostics tools for MSc students at Microbiology and pathology department at College of Veterinary Medicine, University of Duhok, and Kurdistan, Iraq.
- Teaching Molecular Diagnostics and genetics for High Diploma students at Medical Laboratory Technology department at Technical College of Health, Duhok polytechnic university, and Kurdistan, Iraq.

**2012-2014    Postgraduate student at Swinburne University of Technology,  
Faculty of Life and Social Science:**

1. Experience in biotechnology including genetic modifying food and the advancement of science and society as well as care of the environment.
2. Experience in bacteriology lab and worked with different samples
3. During projects gained a good experience in PCR techniques, DNA and protein sequencing analysis and a good experience in bioinformatics laboratory.
4. Have a good experience in conventional and real-time PCR.

**2006-2011    Demonstrator at College of Veterinary Medicine**

Demonstrator at Anatomy practical lab and postgraduate student Laboratory with experience in ELISA, serological and biochemical tests.

## **Training Course:**

QIAGEN® Rotor-Gene Q Application and Software Training that held at Ankara on 11-13th of April 2017

### **Contents of the Training course:**

- Rotor-Gene Instruments
- Rotor-Gene Software: Introduction
- Rotor-Gene Software: Data Analysis
- Hands on Demo

## **Other Experience**

**2008-2011      Duhok Private Medical Specialist Laboratories**

Technician in clinical chemistry laboratory and clinical immunology.

**2014- 2023      VIN Medical Laboratories in VIN hospital and medical complex**

Work in clinical chemistry laboratory and clinical immunology department and Molecular Biology department.

**2020 – 2023**

**VIN Medical Laboratories in VIN hospital and medical complex Corona (Covid19) detection department**

**2023 – Now**

**Director of Dr. Ghazi Hospital laboratories**

**2015 – Now    Agent of Biolab Kurdistan Company for research and medical products.**

## **Puplication:**

1. AHMED M. S., TAHA Z. M. A., OMER L. T. (2015), Isolation and Molecular Identification with Resistant Profile Determination of *Listeria monocytogenes* from Imported Chicken Carcasses in Duhok, Kurdistan Region, Iraq, JOURNAL OF PURE AND APPLIED MICROBIOLOGY.
2. TAHA Z.M.A, AHMED M.S., ABDO J.M., (2015), Occurrence and antimicrobial resistance of *Salmonella* serotypes isolated from chicken carcasses in Duhok, Kurdistan Region / Iraq, Journal of Zankoi Sulaimani.
3. AHMED M. S. (2019), The investigation of molecular characterization of presumptive *Listeria monocytogenes* isolates from a food processing environment, Iranian Journal of Veterinary Research, Shiraz University.

4. Ahmed, J.Q., Ahmed, M.S. and Khanamir, R.A., 2018. Investigation and molecular Identification of circulating foot-and-mouth disease virus serotypes in the Duhok province-Kurdistan of Iraq.
5. Saleh Ahmed, Meqdad, Zirak Faqe Ahmed Abdulrahman, and Zanan Mohammed Ameen Taha. "Risk Factors of Clonally Related, Multi, and Extensively Drug-Resistant *Acinetobacter baumannii* in Severely Ill COVID-19 Patients." *Canadian Journal of Infectious Diseases and Medical Microbiology* 2023 (2023).
6. HAJI, AZIZA RAOF, TARIK ABDULGADIR ABDAL, BALGEES AHMED ALI, and MEQDAD S. AHMED. "EFFECT OF GARLIC OIL ON SOME BIOCHEMICAL PARAMETERS IN RATS EXPOSED TO HYDROGEN PEROXIDE." *Journal of Duhok University* 22, no. 2 (2019): 189-195.
7. AMEYAW, E. K., & GBD 2021 Causes of Death Collaborators. (2024). Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021. *The Lancet*, 403(10440), 2100-2132.
8. Bhattacharjee, N. V., Schumacher, A. E., Aali, A., Abate, Y. H., Abbasgholizadeh, R., Abbasian, M., ... & Bahri, R. A. (2024). Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*, 403(10440), 2057-2099.
9. Wunrow, H. Y., Bender, R. G., Vongpradith, A., Sirota, S. B., Swetschinski, L. R., Novotney, A., ... & Djalalinia, S. (2023). Global, regional, and national burden of meningitis and its aetiologies, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet Neurology*, 22(8), 685-711.
10. AHMED, M. S., Taha, Z. M. A., & ABDULRAHMAN, Z. F. A. (2023). Multi-Drug Resistant *Acinetobacter baumannii*; A Neglected Nosocomial Pathogen in the Veterinary Field as a Source of Human Infection. *Egyptian Journal of Veterinary Sciences*, 54(5), 841-853.