

Amjed Alsultan

📍 Al-dewanyia, Iraq 📞 +964 (0)77169931 ✉ amjed.talib@qu.edu.iq



SKILLS AND EXPERTISE

Molecular cloning	Scientific writing	Antibiotic resistances
Gene /protein expression analysis	Statistical data analysis	Host microbe interaction
Protein overexpression	Manuscript revision	Bile resistance
Gene expression, Gene silencing	Supervision and training	Efflux pumps in bacteria
Enzyme chemical inhibition		Crisper based detection of pathogens
Flow Fish		
In vitro gut models		
Transposon mutagenesis		
Site directed mutagenesis		
(Knockout, knockdown)		

PERSONAL DATA

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ham2vet@yahoo.com

Higher qualifications

2019	PhD. in molecular microbiology (University of Reading, United Kingdom)
2011	M.SC Vet. Medicine (University of Baghdad, Iraq.)
2006	PGDip Zoonosis (University of Baghdad, Iraq.).

Current occupation

- Lecturer of Molecular biology (under & postgraduate students)
- Lab. leader (Biotechnology lab.)

Research

- Recombinant vaccine
- Pathogenicity and virulence in Gram positive bacteria
- Profiling of bile acid interacting proteins in *S. aureus*
- Survival and colonization of *Staphylococcus aureus* in the gut
- Investigate the role of efflux pump inhibitors (EPIs) in prevention and control of Bacterial infection
- Crispr based detection of infectious pathogens

TEACHING EXPERIENCE

University of Reading, UK (2015-2019)

I collaborated in several teaching activities to gain more experience.

-Collaborating and leading practical lessons:

Molecular biology for undergrad students of first year of Biological Sciences, Bioengineering and Food Sciences (course 2018-2019, 30 hours).

University of Al-Qadisiyah, Iraq (Since 2006)

In my current position, I am responsible for teaching & leading the research projects of undergrad and MSc students. teaching subjects include :

Function of the Bacterial Cell, Molecular Biology of the Gene

- Bacterial Pathogens, Mechanisms of Microbial Function
- Gut pathogens
- Molecular mechanism of pathogenic bacteria resistance to antibiotic and antibacterial agent
- Infectious disease (G+ bacterial infection)
- Biotechnology (Transposon mutagenesis, site directed mutagenesis (knockout, knockdown), Protein purification and characterization, gene expression, Flow FISH and in vitro gut models)

Professional organisations

Member of:

- SFAM: The society of applied microbiology
- British microbiology society

LANGUAGES

Arabic: mother tongue
English: fluently spoken and written
ELTS, TEEB (6.5)

Conferences

1. The annual Microbiology society conference in Liverpool, 21-24 April 2016. (poster)
2. The postgraduate symposium, University of Reading, 26 May 2016. (Speaker)
3. The postgraduate symposium, University of Reading, UK, 13 June 2017. (Speaker)
4. The annual Microbiology society conference in Birmingham, UK, 10-13 April 2018. (poster)
5. International Conference on Gram-Positive Pathogens in Omaha, Nebraska- USA, 14-17 October 2018. (poster)

International collaboration

Dr. MERCE MIRANDA, Dept biomedical science, Reading university, UK

Dr. Hamenta maity, University of Animal And Fishery Sciences. India

Selected publication

Alsultan, A. (2019). The role of Staphylococcus aureus FadB in resistance to Bile (Doctoral dissertation, University of Reading).

Mohsen, A. T., Abbas, K. H., & Molaghi, M. A. (2014). An Investigation on Body Condition Score and biochemical Profile in Crossbred Dairy Cows Suffering From milk fever. Journal of Kerbala university, 12(1), 62-66.

Alsultan, A. Al-Hadithy, H (2011). Study of phagocytosis and killing functions in ewes affected with mastitis by using Whole blood technique . Al-Qadisiyah Journal of Veterinary Medicine Sciences . Volume: 10 Issue: 2 Pages: 59-64