

## *CURRICULUM VITAE*

**Hamed Mahmoud Alzoubi/ Professor and Consultant  
Microbiologist / Faculty of Medicine, Jordan University  
of Science and Technology & King Abdullah University  
Hospital, Irbid, Jordan**

*(MD, Jordanian Board in Clinical Microbiology (JBCM) /Jordan;  
Diploma, MSc, Ph.D Medical Microbiology, Dip RCPATH/UK).*

- Bachelor of Medicine and Bachelor of Surgery (J.U.S.T).
- Diploma and MSc Medical Microbiology, London School of Hygiene & Tropical Medicine , University of London / UK.
- Jordanian Board / Clinical Microbiology
- Diploma of the Royal College of Pathologists / UK
- PhD /University of Manchester / UK.
- عضو اللجنة الوطنية للأوبئة – وزارة الصحة الأردنية
- عضو مجلس المركز الوطني لمكافحة الاوبئة والأمراض السارية (Jordan CDC)
- عضو اللجنة العلمية لعلم الأمراض والمختبرات السريري – المجلس الطبي الأردني
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## Qualifications and Exams

July 2023- current	<b>Professor</b> / Medical Microbiology / Jordan University of Science and Technology
Oct. 2022 – June 2022	MENA RDI – Lead Consultant
Aug. 2020 – Oct. 2022	<b>Professor</b> / Medical Microbiology / Mutah University
July 2015	<b>Associate Professor</b> Rank / Medical Microbiology / Mutah University
Sep. 2011	Licensed as a medical microbiologist / the Ministry of Health / Jordan
July 2010	Assistant Professor Rank / Medical Microbiology / Mutah University
May 2010	<b>Diplomate of the Royal College of Pathologists/UK</b> , Qualification by Exam.
Apr. 2009	<b>Ph.D Medical Microbiology (Virology)</b> , University of Manchester, UK.
Aug. 2005	<b>PLAB exams</b> (full General Medical Council registration/UK).
Sep. 2004	<b>Diploma and MSc Medical Microbiology</b> , London School of Hygiene & Tropical Medicine (University of London), UK.
Sep. 1996 – Jun. 2002	<b>MBBS</b> (Bachelor of Medicine & Bachelor of General Surgery), Jordan University of Science and Technology, Jordan, <b>First Class</b> .
1996	General Secondary School Certificate (Scientific Stream), <b>Average 96.9%</b> .

## Clinical and Research Experience

- Oct. 2022 – Jun. 2023 Working on National Molecular Prevalence of *S. pneumoniae*
- 2018 till now Working on bio-hazardous organisms such as Anthrax and Other multi drug resistant bacteria
- 2018 till now Ministry of Health/Local coordinator/ Multidrug resistant organisms
- Jul. 2017- Jul 2018 University of Jordan Hospital – Microbiology Lab.
- Feb. 2011 – 2015 Communicable diseases and infection control consultant Al-Karak teaching hospital/Jordan
- 2009 - 2010 Infection Control Committee/Stepping Hill Hospital/ Stockport/ Manchester/ NHS Foundation trust/UK
- 2007 - 2010 Microbiology Registrar (hospital-based job)/ Stepping Hill Hospital/ Stockport/ Manchester/ NHS Foundation trust/UK (assessed by the North Western Deanery as ST3 level competent).
- Senior House Officer at various hospitals in Manchester, UK (Tameside general hospital, Hope hospital, North Manchester hospital, MRI...).
- Audits on Suspected Viral Illnesses and their Virology RT-qPCR at Stepping Hill Hospital, Stockport NHS Foundation Trust, UK.
- Jun. 2004- Jun 2009 Extensive experience in molecular, serological and microbiological techniques some examples are: PCR, sequencing, tertiary protein expression in baculovirus expression system, ELISA in house assays development and optimisation, Western blot, SDS-PFGE, RE, Primers design, bacterial identification methods....
- Ph.D research experience (VLPs-based serological assays for the detection of Human papillomavirus 16 and 18 type- specific antibodies), University of Manchester. It included dealing with plasmids containing specific Human papillomavirus 16 and 18 genes, cloning these genes and expressing it into specific epitopes containing

3D proteins in baculovirus expression systems, the proteins were then detected using IF microscope, purified and confirmed using electron microscope. The purified tertiary proteins called virus like particles were then used to establish a sensitive and specific in house ELISA assay for the detection of human papillomavirus specific antibodies to assess the efficacy of viral vaccines; cervicalix and gardasil.

Jun. 2004 – Sep. 2004 MSc research project in the London School of Hygiene & Tropical Medicine / included many sophisticated microbiological techniques.

Jul. 2002 – Jun. 2003 One-Year medical internship, Ministry of Health, Jordan.

### Academic experience

**Sep. 2010- 2022** Teaching Microbiology for 2<sup>nd</sup> and 3<sup>rd</sup> year medical Students at the Faculty of medicine / Mutah University

It included teaching different aspects of microbiology in the following courses:

- General and practical microbiology
- Gastrointestinal system
- Musculoskeletal system
- Respiratory system
- Cardiovascular system
- Central and peripheral nervous system
- Haemopoietic system and Urogenital system

**Sep. 2018- Dec. 2019** Supervising MSc Student / University of Jordan  
**Sep. 2017-Sep. 2018** Sabbatical Assoc. Prof. / Faculty of Medicine University of Jordan

**Sep. 2013** Part time lecturer/Jordan University Faculty of Medicine

**Sep. 2006** Postgraduate teaching course/University of Manchester.  
**June 2006** Manipulation of genetically modified organisms/University of Manchester.

**Sep. 2006-2009** Part time teaching of medicine, Pharmacy and Biology Students. Also, supervising FY1 and FY2 doctors/UK.

### **Administrative experience:**

2016 - 2022	Head and member in different faculty's committees
March 19 <sup>th</sup> - 28 <sup>th</sup> 2016	Acting Dean of Mutah University Faculty of Medicine
Sep. 2014- Sep. 2015	Vice dean for medical education/Mutah University Faculty of Medicine
Jul 21- 31 2015	Acting Dean of Mutah University Faculty of Medicine
Sep. 2012-Sep.2014	Head of Medical Microbiology and Immunology dept.
Sep. 2013 – 2014	Part time lecturer / Faculty of Medicine/University of Jordan
Sep. 2008	Advanced Life support course/UK resuscitation council.

### **Committees:**

#### **Number of committees including:**

- Accreditation and quality assurance commission for higher education institutions / Jordan (Member of the expertise committee for the accreditation of Jordan University Faculty of Medicine).
- Jordan CDC executive board
- Jordan CDC technical committee
- Jordanian National Epidemic Committee / Ministry of Health
- Assessing member for proposals submitted for the scientific research support fund
- Technical committee for purchasing safety cabinets (biosafety level 3), anaerobic incubators, real time PCR machine for Mutah university faculty of medicine.
- Head and / or Member of the examination committee, scientific and conferences committee, accreditation committee and many other committees / Mutah university faculty of Medicine
- Infection control committee / AlKarak Teaching Hospital.
- Antibiotic guidelines committee / AlKarak Teaching Hospital

- Infection control committee / Stepping Hill Hospital, NHS, Manchester.
- Reviewers committee for Journal of Medical microbiology, Journal of infection in developing countries, Jordanian Medical Journal and Jordanian JBS.
- Ministry of Higher Education Committee for Jordanian students in Yemen.

### Grants (Selected)

1. Team collaboration on brucella anthracis: analyzing spread in farms in Pakistan and Jordan , The Defense Threat Reduction Agency (DTRA) / United States Department of Defense (DoD), projects related to Biological Weapons of Mass Destruction, in collaboration with Prof. Alan Wolfe and Adam Driks. A 2 million funded ( \$2000,000) project 2018-2021.
2. Methicilin resistant s. aureus molecular studies, College of scientific research / Mutah university; \$10000

### Publications (Selected)

1. Epidemiology of Streptococcus pneumonia Serotypes in Jordan Amongst Children Younger than the Age of 5: a National Cross-Sectional Study, *Vaccines*, **2023**, *11*, x, Munir Abu-Helalah, Asma'a Al-Mnayyis, **Hamed Alzoubi** et al.
2. SARS-CoV-2 Seroepidemiological Investigation in Jordan: Seroprevalence, Herd Immunity, and Vaccination Coverage. A Population-Based National Study, September 2022, International Journal of General Medicine 15(2022):7053—7062. Sheikh Ali, S, Kheirallah, KA, ....., **Hamed Alzoubi**, et al.
3. Jordan’s Pandemic Influenza Preparedness (PIP): A Reflection on COVID-19 Response. International Journal of Environmental Research and Public Health, 2022, 19 (12), Khalid A Kheirallah, ..., **Hamed Alzoubi** et al.
4. Diabetic foot ulcer in Southern Jordan: A cross-sectional Study of Clinical and Microbiological Aspects. Annals of Medicine and surgery, 2022, DOI [10.1016/j.amsu.2022.103552](https://doi.org/10.1016/j.amsu.2022.103552) Emad Aburajooh, ..., **Hamed Alzoubi** et al.
5. Covid-19 knowledge amongst dentists and evaluation of the dental infection prevention protocol, Jordan Medical Journal, 2021, 14 (4). **Haemed Alzoubi**, et al.
6. COVID-19 - Knowledge, Attitude and Practice among Medical and Non-Medical University Students in Jordan. Journal of Pure and Applied Microbiology, March 2020; 14(1):17-24.

**Hamed Alzoubi\***, Nedal Alnawaiseh, Asma'a Al-Mnayyis, Mohammad Abu- Lubad, Amin Aqel and Hani Al-Shagahin

7. Detection of Methicillin Susceptible and Resistant Staphylococcus aureus Nasal Carriage and Its Antibiotic Sensitivity among Basic and Clinical Years Medical Students. *Healthcare*, 2020, 8(2), 161; <https://doi.org/10.3390/healthcare8020161>

**Hamed Alzoubi\***, Mohammad Al Madadha, Asma'a Al-Mnayyis, Muayad Azzam, Amira Aldawoud, Danah Hwaiti, Mohammad Tarbiah, Maha Abu Ajamieh and Mamoon Qatamin

8. Effect of Electronic Cigarettes on the Carriage of Selected Organisms in the Nasal and Oral Cavity in Comparison to Tobacco Smokers and Non Smokers. *Journal of Clinical and Diagnostic Research*, 2020; 14(7): DC11-DC15

**Hamed Alzoubi**, Mohammad Abu-Lubad, Asma'a Al-Mnayyis, Anas Satari, Mohammad Alzobi, Mohammad Al Ramadneh, Dua'a Jarajreh.

9. Optimization of facial silicone elastomers antimicrobial activity; in vitro study. *Prensa Med Argent*, 2019, Volume 105, 6: 1-4

**Hamed Alzoubi**, Muhanad Moh'd Hatamleh.

10. **Hamed Alzoubi**, Asma'a Al-Mnayyis, Ibrahim Al rfoa, Amin Aqel, Mohammad Abu-Lubad, Omar Hamdan, Kareem Jaber. The use of 13C-urea breath test for non-invasive diagnosis of Helicobacter pylori infection in comparison to endoscopy and stool antigen test. *Diagnostics*.2020. Accepted for publication.

11. Human papillomavirus as an independent risk factor of invasive cervical and endometrial carcinomas in Jordan. *J Infect Public Health*. 2020;13(4):613-618. Mohammad A. Abu-Lubad, Dua'a A. Jarajreh, Ghada F. Helalya, **Hamed M. Alzoubi**, Weliam J. Haddadin, Mahmoud D. Dabobash, Eman M. Albataineh, Amin A. Aqel, Nedal Alnawaiseh

12. Characterization of CarbapenemaseProducing Enterobacteriaceae from Patients in Amman, Jordan. *Microbial Drug Resistant* 2018 Oct; 24(8):1121-1127. Aqel AA, Findlay J, Al-Maayteh M, Al-Kaabneh A, Hopkins KL, **Alzoubi H**, Masalha I, Turton J, Woodford N, Ellington MJ

13. Methicillin-resistant Staphylococcus aureus among food handlers in Jordan: frequency, risk factors, toxigenicity and antibiotic resistance. *Rawal Medical Journal*: Vol. 45. No. 2, April-June 2020  
Mohammad A. Abu-Lubad, **Hamed M. Alzoubi**, Wael Al-zereini, Dua'a AK. Jarajreh, Fawzieh Alhjooj, Amin A. Aqel

14. Analysis of Helicobacter pylori Genotypes Amongst Jordanians' Dental Plaque Samples. *Gastroenterology Res*. 2018 Feb;11(1):46-51.

Abu-Lubad M, **Alzoubi H**, Jarajreh D, Sawalqa AA, Bruggemann H, Albataineh E, Aqel A, Al-Zeer M.

15. Prevalence of inducible clindamycin resistance in methicillin-resistant Staphylococcus aureus: the first study in Jordan. J Infect Dev Ctries. 2017, Apr 30;11(4):350-354. Jarajreh D, Aqel A, **Alzoubi H**, Al-Zereini W
16. Molecular Epidemiology of Helicobacter pylori in Dental Plaque among Jordanians; A Probable Source for Infection and Treatment Failure. Journal of Pure and Applied Microbiology, March 2017. Vol. 11(1), p. 09-14  
Mohammad Abu-Lubad, **Hamed Alzoubi**, Dua'a Jarajreh , Alaa Al Sawalqa, Al-zeer M.
17. Detection of OXA-48-like and NDM carbapenemases producing Klebsiella pneumoniae in Jordan: A pilot study. J Infect Public Health. 2017 Mar - Apr;10(2):150-155. Amin A. Aqel, Giakkoupi P, **Alzoubi H**, Masalha I, Ellington MJ, Vatopoulos A
18. Neurological Assessment and Nerve Conduction Study Findings in 22 Patients with Alkaptonuria from Jordan. Neurol Int. 2016 Nov 2; 8(4): 6841.  
Omar Alrawashdeh, Mohammad Alsbou, **Hamed Alzoubi** and Hani Al-shagahin
19. Alsbou M, Alzubiedi S, Alzobi H, Samhadanah NA, Alsarairah Y, Alrawashdeh O, Amin A. Aqel, Al-Salem K. Adverse drug reactions experience in a teaching hospital in Jordan. Int J Clin Pharm. 2015 Dec;37(6):1188-93
20. **Hamed Alzoubi** et al. Food safety, Perception and Practices among University Students in Jordan. JPAM. 2015, 9: 211-220.
21. Methicillin-Resistant Staphylococcus aureus nasal carriage among primary school-aged children from Jordan: Prevalence, antibiotic resistance and molecular characteristics.  
**Hamed M. Alzoubi**, Amin A. Aqel, Sameeh A. Al-Sarayreh, Enas Al-Zayadneh. Journal of the Egyptian Public Health Association, 2014; 89 (3): 114-118
22. Methicillin-resistant and methicillin-susceptible Staphylococcus aureus in allergic rhinitis patients and healthy individuals: prevalence, antibiotic susceptibility and effect on disease severity  
**Hamed M. Alzoubi**, Hani M. Al-Shagahin, Omar SM. Al-Rawashdeh, Mohammed S. Alsbou, Baraah Y. Kasasbeh, Amin A. Aqel. African Journal of Microbiology Research, 2014, 8 (37): 3368-3372
23. Inhibitory effect of Mediterranean Sage and Rosemary on clinical and community isolates of methicillin-resistant Staphylococcus aureus.

- Hamed M. Alzoubi**, Abdallah I. Ibrahim, Mohammed S. Alsbou, and Amin A. Aqel. Jordan Journal of Biological Sciences, 2014; 7 (3): 161-164
24. Detection of CTX-M-type extended-spectrum beta-lactamases among Jordanian clinical isolates of Enterobacteriaceae. Aqel AA, Meunier D, **Alzoubi HM**, Masalha IM, Woodford N. Scandinavian Journal of Infectious Diseases, 2014;46(2):155-157.
25. Molecular epidemiology of nasal isolates of methicillin-resistant Staphylococcus aureus from Jordan.  
Amin A. Aqel, **Hamed M. Alzoubi**, Anna Vickers, Bruno Pichon, Angela M. Kearns. Journal of Infection and Public Health. 2015; 8: 90-97.
26. Prevalence of Methicillin Resistant Staphylococcus aureus Nasal Carriage and Its Antibiogram in Healthcare Workers from South of Jordan.  
**Hamed M. Alzoubi**, Amin A. Aqel, Munir Abu-Helalah. Bulletin of High Institute of Public Health, 2013; 43(1):1-12.
27. **Working with the Defense Threat Reduction Agency / United States Department of Defense (DoD), on projects related to Biological Weapons of Mass Destruction.**
28. **Working on Other Projects Related to Multidrug Resistant Bacteria**
- **Audit on Suspected Viral Illnesses and their Virology requests at Stepping Hill Hospital, Stockport NHS Foundation Trust, UK:**  
Dr. Hamed AlZoubi (Microbiology SpR) and Dr. Moira Taylor (Consultant microbiologist), Department of medical microbiology, Stepping Hill Hospital, Stockport NHS Foundation Trust, North West Deanery, UK.
  - **Audit on Blood culture process and compliance with the recommended standard**  
Dr. Hamed AlZoubi (Microbiology SpR), Mr Richard Fletcher (5<sup>th</sup> year medical student) and Dr Sarah Maxwell (Consultant microbiologist).  
Department of medical microbiology, Stepping Hill Hospital, Stockport NHS Foundation Trust, North West Deanery, UK.

### **Conferences and Presentations (selected)**

May 2022

5<sup>th</sup> international conference on vaccine evidenced based approach. MENA RDI and UoJ.

May 2022	JMA conference
Nov. 2020	Jordanian medical association annual conference
July 2019	Mutlidrug resistant Bacteria surveillance in Jordan in collaboration with Ministry of Health and WHO.
May 2019	Speaker in the international summit of Hot Topics in Infection Control, Antimicrobials and Immunization, Amman , Jordan
Nov. 2018	Speaker in AMS conference: Rational use of Antibiotics and Antimicrobial Stewardship Programs / Global Academy for Health Sciences in collaboration with King Abdullah University Hospital
Nov. 2018	Levant and Iraq Advanced Medical Research Symposium.
Nov 2017	Conference By WHO: One Health Consultative Workshop for Development of the National Action Plan on Antimicrobial Resistance for Jordan.

### **Languages**

- Arabic (Mother tongue).
- English (Fluent, IELTS: 7.0 each band with a total score of 7.0).

### **Computing skills**

- Proficient in Word, PowerPoint and Excel.
- MUCDL.

### **References**

**Upon Request**