

## CURRICULUM VITAE

**Full name: Mohammad Abdulraheem Mohammad  
AL-kafaween**

*Faculty of Pharmacy/Department of Pharmacy,  
Al-Zaytoonah University of Jordan, Amman, Jordan*

**Contact:**

**Phone: 009620797277059**

**Email: [moh.alkafaween@zuj.edu.jo](mailto:moh.alkafaween@zuj.edu.jo),  
[mohammadalkafaween25@yahoo.com](mailto:mohammadalkafaween25@yahoo.com)**

**Homepage:**



### 1. Personal Data

Date of Birth: October 25, 1988  
Place of Birth: Al-Karak – Jordan  
Nationality: Jordanian  
Marital Status: Married

### 2. Education

- Ph.D. (Molecular microbiology and cell biology) 2021, Universiti Sultan Zainal Abidin–UniSZA (Malaysia), Kuala Terengganu, Malaysia
- M.Sc. (Biology/Microbiology) 2015, Mu'tah University, Al-karak, Jordan
- B.Sc. (Plant Production) 2011, Mu'tah University, Al-karak, Jordan

### 3. Ph.D. Dissertation

*Antibacterial And Antibiofilm Activities of Malaysian Trigona Honey Against Pseudomonas aeruginosa And Streptococcus pyogenes, Universiti Sultan Zainal Abidin–UniSZA (Malaysia), Kuala Terengganu, Malaysia*



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

**Languages**

- Arabic
- English

**4. Employment****Academic Positions**

- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan. September 19, 2021 – now

**Work Experiences**

- 2011-2013; Teacher at Al-Karak Secondary Schools (Biology).
- 2013-2014; Teacher at Fursan Al-Karak Academy (Biology).
- 2013-2015; Research assistant at Mu'tah University (Faculty of Science).
- 2016-2018; Research assistant at Faculty of Health Sciences (Molecular biology) (UniSZA), Malaysia.
- 2018-2020; Research assistant at Faculty of Health Sciences (Microbiology). (UniSZA), Malaysia.

**Administrative Positions**

Not Applicable

**5. Research Interests**

- Anti-bacterial, anti-biofilm and anti-virulence activities of natural products
- Honey, Propolis, Probiotics, Antibiotics, Medicinal plants, Natural product
- Microcolony and Biofilm
- Quorum sensing
- Gene expression
- Microarrays

**6. Membership in Scientific Societies and Associations**

- Member, Member of Microbiology Society, UK
- Membership in Scientific Societies and Associations

**7. Honors and Awards**

Not applicable



## 8. Fellowships and Scholarships

Not Applicable

## 9. Teaching Experience

- *Graduate Courses*

Not applicable

- *Undergraduate Courses*

- Biology 1
- Biology 2
- Microbiology
- Molecular biology
- Cell biology
- Biochemistry
- Physiology 1
- Physiology 2
- Anatomy and Physiology 1
- Microbiology for nurses
- Biochemistry for nurses
- Physiology for nurses

### **Field of Specialization**

- Molecular biology
- Microbiology
- Cell biology

## 10. Supervision of Graduate Research

- PhD Students (Co-SV)

1. **Maha Raji Alshamailah**, Malnutrition during pregnancy and its association with obesity, gestational diabetes, periodontal and dental diseases in Jordan (USM, Malaysia (ongoing))



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- Master students (Co-SV)
- 1. **Reham Mohammad Odeibat**, The impact of the covid-19 vaccines on women's menstrual cyclicity and their effects on hormones: a survey study (Al Balqa' Applied University-Jordan (ongoing)
- 2. **Dima Tareq Owais**, Phenotypic and genotypic identification of biofilm-forming Gram-negative and Gram-positive bacteria in diabetic foot ulcers from Jordanian patients. (Al Balqa' Applied University-Jordan (ongoing)
- 3. **Omar Ahmad AL-Dmour**, Nasal Carriage of MRSA among kidney dialysis patients in Jordan. (Al Balqa' Applied University-Jordan (ongoing)

### 11. Grants

Not Applicable

### 12. Patents

Not Applicable

### 13. Membership of Committees

- **National and International**  
*Not Applicable*
- **University**
  - *The Scientific Research Committee at the School of Pharmacy, Al-Zaytoonah University of Jordan (member), (2021 – present)*
  - *The Committee for Cultural, Social and Sport activities, a Faculty committee (member).*
  -

### 14. Professional and Scientific Meetings

#### *Scientific Meetings Organized*

- Not Applicable

#### *Participation in Scientific meetings*

- *International Conference on Pharmaceutical Research and Pharmacy Practice Cum 14th Iium-Mps Pharmacy Scientific Conference, Hotel Istana, Kuala Lumpur, Malaysia (19 Oct 2019 - 20 Oct 2019).*
- *International Congress of the Tunisian Society of Biological Sciences (Atsb) Held in Sousse, Tunisia 25-28-March-2019.*



QFG11/0110 - 3.1E

Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- *The First Rmutt Food Innovation and Smart Farm International Conference, Rajamangala University of Technology Thanyaburi, Thailand, Thailand (05 Jul 2019 - 06 Jun 2019).*
- *International Community Health Conference 2017, UniSZA, Malaysia (07 Oct 2017 - 09 Oct 2017).*

### **15. Participation in or organization of curricular and/or extra-curricular activities**

Not Applicable

### **16. Publications**

Provide numbered lists of:

- Papers in refereed journals
1. **Al-kafaween MA**, Hilmi AB, Jaffar N, Al-Jamal HA, Zahri MK, Jibril FI. Antibacterial and Antibiofilm activities of Malaysian Trigona honey against *Pseudomonas aeruginosa* ATCC 10145 and *Streptococcus pyogenes* ATCC 19615. *Jordan Journal of Biological Sciences*. 2020. 13(1):69-76. **Main author. Indexed by: Scopus Q3.**
  2. **Al-Kafaween MA**, Hilmi AB, Al-Jamal HA, Elshahoryi NA, Jaffar N, Zahri MK. *Pseudomonas Aeruginosa* and *Streptococcus Pyogenes* Exposed to Malaysian Trigona Honey In Vitro Demonstrated Downregulation of Virulence Factor. *Iranian Journal of Biotechnology*. 2020.18(4):e2542. **Main author. Indexed by: Scopus Q3.**
  3. **Al-Kafaween MA**, Al-Jamal HA, Hilmi AB, Elshahoryi NA, Jaffar N, Zahri MK. Antibacterial properties of selected Malaysian Tualang honey against *Pseudomonas aeruginosa* and *Streptococcus pyogenes*. *Iranian Journal of Microbiology*. 2020.12(6):565. **Main author. Indexed by: Scopus Q3.**
  4. **AL-Kafaween MA**, Khan RS, Hilmi AB, Ariff TM. Characterization of biofilm formation by *Escherichia coli*: An in vitro study. *Journal of Applied Biology & Biotechnology*. 2019. 7(03):17-9. **Main author. Indexed by: Scopus Q3.**
  5. **Al-kafaween MA**, Mohd Hilmi AB, Jaffar N, Nagi Al-Jamal HA, Zahri MK, Amonov M, Mabrouka B, Elshahoryi NA. Effects of Trigona honey on the Gene Expression Profile of *Pseudomonas aeruginosa* ATCC 10145 and *Streptococcus pyogenes* ATCC 19615. *Jordan Journal of Biological Sciences*. 2020. 13(2): 133 – 138. **Main author. Indexed by: Scopus Q3.**
  6. **Al-kafaween MA**, Hilmi AB, Al-Jamal HA, Jaffar N, Al-Sayyed H, Zahri MK. Effects of Selected Malaysian Kelulut Honey on Biofilm Formation and the Gene Expression Profile of *Staphylococcus Aureus*, *Pseudomonas Aeruginosa* and *Escherichia Coli*. *Jordan Journal of Pharmaceutical Sciences*. 2021.14(1):1-18. **Main author. Indexed by: Scopus Q3**



7. **Al-Kafaween, M.A.**, Hilmi AB, Al-Jamal HA, Rania MA, Nour AE, Hiba A. Potential Antibacterial Activity of Yemeni Sidr Honey Against *Pseudomonas aeruginosa* And *Streptococcus pyogenes*. *Anti-Infective Agents*. 2021. 19(4): 1-15. **Main author. Indexed by: Scopus Q4.**
8. **Alkafaween MA**, Al-Jamal HA, Hilmi AB. Antibacterial activity of selected varieties of Malaysian honey against *Escherichia coli*: A comparative study. *The International Arabic Journal of Antimicrobial Agents*. 2021. 11(1):1-13. **Main author. Indexed by: Scopus Q4**
9. **Alkafaween MA**, Al-Jamal HA, Hilmi AB. Evaluation of antimicrobial and antibiofilm activities of stingless bee *Trigona* honey (Malaysia) against *Streptococcus pneumoniae*. *The International Arabic Journal of Antimicrobial Agents*. 2021. 11(2):1-10. **Main author. Indexed by: Scopus Q4**
10. **Al Kafaween MA**, Hilmi AB, Khan RS, Bouacha M, Amonov M. Effect of *Trigona* honey on *Escherichia coli* cell culture growth: In vitro study. *Journal of Apitherapy*. 2019.1;5(2):10-17. **Main author. Another index**
11. **Al-kafaween MA**, Hilmi AB, Jaffar N, Al-Jamal HA, Zahri MK. Determination of optimum incubation time for formation of *Pseudomonas aeruginosa* and *Streptococcus pyogenes* biofilms in microtiter plate. *Bulletin of the National Research Centre*. 2019.43(1):1-5. **Main author. Another index**
12. **Al-Kafaween MA**, Hilmi AB, Khan RS. In Vitro Investigation on the Effectiveness of *Trigona* Honey against Biofilm Formation by *Escherichia coli*. *EC Microbiology*. 2020. 16(4): 83-89. **Main author. Another index.**
13. **Al-Kafaween MA**, Hilmi AB, Khan RS, Mabrouka B. Effect of Growth Media and Optical Density on Biofilm Formation by *Staphylococcus epidermidis*. *EC Microbiology*. 2019. 15(4): 277-282. **Main author. Another index.**
14. Iman B, Abdullah R, **Al-Kafaween MA**, Malnutrition in Hemodialysis Patients in Al-Karak Governorate in Jordan. *International Journal of Multidisciplinary Sciences and Advanced Technology*, 2021. 2(6): 34–41. **Co-author. Another index.**
15. **Al-Kafaween, M.A** and Hilmi AB. *Pseudomonas aeruginosa* strain: ATCC 10145 Genome sequencing and Sequence Read Archive (SRA). SRR12680080. [www.ncbi.nlm.nih.gov/bioproject/PRJNA533327](http://www.ncbi.nlm.nih.gov/bioproject/PRJNA533327).,<https://www.ncbi.nlm.nih.gov/sra/?term=prjna533327>, 2018-2020. **Main author. NCBI Project.**
16. **Al-kafaween MA**, Al-Sayyed HF, Elsahoryi NA, Al-Groom RM, Alshabat IM. A Review of Confirmed Cases, Deaths and Recovered of Novel Coronavirus Based on Current Evidence: A Mini. *World*.3(244,107):1,114,297. **Main author. Another index**
17. Al-Sayyed HF, Abu-Qatouseh LF, Malkawy M, Al-Wawi S, **Al-Kafaween M**. Extracts of Jordanian Date Palm Fruit (*Phoenix Dactylifera L.*) Inhibit Human Mammary Adenocarcinoma (MCF-7) Cells In Vitro by Inducing Cell Viability. *Current Research in Nutrition and Food Science Journal*. 2021 Aug 27;9(2):423-30. **Co-author. Indexed by: Scopus Q3**
18. **Al-kafaween MA**, Hilmi ABM, Al-Jamal HAN. The Beneficial Effects of Stingless Bee *Kelulut* Honey Against *Pseudomonas aeruginosa* and *Streptococcus pyogenes* Planktonic and Biofilm. *Tropical Journal of Natural*



- Product Research. 2021; 5(10):1788-1796. **Main author. Indexed by: Scopus Q4.**
19. Mousa K. M, Khaled MK, **Al-kafaween MA**, Razan S, Moath A, Haitham Q, Amjad TA, Muhamad O, Tayel E, Tayel H, Salah J, Nabeel J, Malik A, Hamid ANJ. Biodegradation of Phenol by *Bacillus simplex*: Characterization and Kinetics Study. Applied Environmental Biotechnology. 2021; 6(2): 1-12. **Co-author. Indexed by: Scopus Q2.**
20. **Al-kafaween MA**, Al-Jamal HAN, Hilmi ABM. De novo whole genome sequencing data of *Pseudomonas aeruginosa* ATCC® 10145TM, an opportunistic pathogen. Tropical Journal of Natural Product Research. 2021. **Main author. Indexed by: Scopus Q4. (Accepted)**
21. **Al-kafaween MA** & Al-Jamal HA. A Comparative Study Of Antibacterial And Antivirulence Activities Of Four Selected Honeys To Manuka Honey. Iranian Journal of Microbiology. 2021 **Main author. Indexed by: Scopus Q3. (Under review)**
22. Mohammad A. Al-kafaween and Abu Bakar Mohd Hilmi. Evaluation of the effect of different growth media and incubation time on the suitability of biofilm formation by *Pseudomonas aeruginosa* and *Streptococcus pyogenes*. Applied Environmental Biotechnology. **Main author. Indexed by: Scopus Q2. (Under review)**

## 17. Reviewing Responsibilities

- Reviewer, reviewer for Iranian Journal of Microbiology.
- Reviewer, reviewer for Journal of Sustainability Science and Management
- Reviewer and Editorial board member for the Cell Biology Journal.
- Reviewer and Editorial board member for the IJMSAT Journal.
- Reviewer for Bulletin of the National Research Centre

### Books and Book Chapters

- Not Applicable

### • Conference Presentations

- Not Applicable

### • Reports

- Not Applicable