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## PERSONAL INFORMATION

**Name: FAYZA AHMED KOUADRI**

### Current and Previous Positions

- Assistant professor of Microbiology, Faculty of Pharmacy, Middle East University, Amman (Jordan), September 2022 - now.
- Visiting Scholar/ University of Kentucky, Lexington (USA), 12 Jul 2023
- Assistant professor of Microbiology, Department of Biology, Faculty of Science, Taibah University, Al Madinah, Saudi Arabia, 15 Nov 2018 – 28 Aug 2022.
- Assistant professor, Department of Applied Biology, Faculty of Science, Tafila Technical University, 7/Sep/2017 - 28/Aug/2018.
- Assistant professor of Microbiology, Department of Biology, Faculty of Science, Taibah University, 07/Sep/2011 - 28/Aug 2017.

### Permanent Address

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## RESEARCH INFORMATION

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**Research Gate website:** [https://www.researchgate.net/profile/Fayza\\_Kouadri](https://www.researchgate.net/profile/Fayza_Kouadri)

**Google Scholar website:** [https://scholar.google.com/citations?hl=en&user=KtJfmwIAAAAJ&view\\_op](https://scholar.google.com/citations?hl=en&user=KtJfmwIAAAAJ&view_op)

## ACADEMIC QUALIFICATIONS

1. **Ph.D.:** Biological Sciences / Microbiology (05/2010), Faculty of Science/University of Jordan - Amman/Jordan (Excellent, GPA 3.65/4).  
Concentrations: Applied Microbiology, and Molecular Microbiology

2. **Master of Science: Microbiology** (07/2000) Faculty of Science/ Al Mustansiriyeh University - Baghdad/ Iraq (Very good).  
Concentrations: Microbiology and Immunology
3. **Bachelor of Biology** (6/1996) ENS/Algiers-Algeria.  
(First Rank with distinction).

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## TEACHING EXPERIENCE

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### 1. Assistant professor /Faculty of Pharmacy/ Middle East University Sep 2022– current.

#### Courses taught:

- Pharmaceutical Microbiology and Immunology; Microbiology; Immunology and Immunotherapy; Microbiology Laboratory; Preservation and Sterilizations for Formulation of Cosmetic and Chemical Products Programme
- Lectures in Medical Microbiology and Immunology (Management of Infection and Infectious Diseases) for Mpharm 3+2 program students (MEU-Strathclyde Joint Pharmacy Programme)

### 2. Assistant Professor / Faculty of Science/Taibah University Nov/2018 – Aug 2022.

- General Microbiology; Bacteriology; Mycology; Applied Microbiology; Medical Microbiology; Environmental Microbiology; Molecular Biology; General Biology; Ecology; Biosystematics; Biodiversity (undergraduate students).
- Environmental Microbiology (postgraduate students).
- Graduation project supervision and examination.

### 3. Assistant Professor / Faculty of Science/Taif Technical University – Sep/2017 - Aug/2018.

- General Microbiology; Immunology; Cell Biology; General Biology; Ecology (undergraduate students).

### 4. Assistant Professor / Taibah University Sep/2018 – Aug 2017.

- General Microbiology; Bacteriology; Mycology; Applied Microbiology; Medical Microbiology; Environmental Microbiology; Molecular Biology; General Biology, Ecology; Biosystematics, Biodiversity (undergraduate students).
- Graduation Project Supervision and Examination.

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## DEPARTMENTAL AND FACULTY SERVICES

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#### – MSc. Students' theses Supervision:

Synergistic Effect of Biogenic Nanoparticles and Selected Antibiotics Against Drug-Resistant Bacteria, Reham Fahad Fallatah, 2022, Taibah University.

#### – MSc Examination Board Member:

1. Isolation of free Living-Nitrogen-Fixing Bacteria from Uhud Mountain and their Role in Hydrocarbon Remediation, Bushra Qassem, 2022, Taibah University.

2. Production of Biosurfactants from Thermophilic Bacteria Isolated from Uhud Mountain in Al Madinah, KSA, Asma Ali, **2022**, Taibah University.
  3. Isolation and Screening of Antibiotic Producing Bacteria from Different Habitats in Uhud Mountain, Al-Madinah Region, Waad Ali Sl-Saedi **2022**, Taibah University.
  4. The Occurrence of Pathogens and non-Pathogens Bacteria in The Surface of Escalators (handrail) in The Surrounding of Prophet's Mosque, Asmaa Emad Al Deen Shareef Al Khadra, **2021**, Taibah University.
  5. Thesis title: Seroprevalence of some viral and bacterial zoonotic diseases in domestic ruminants in Al-Madinah Al-Munawarah, **2019**, Taibah University.
  6. Thesis title: Comparative Metagenomic Analysis for The Effect of Soil and Irrigation Water on The Endophytic Diversity Associated with AlMadinah Mentha (*Mentha longifolia*), 2019, Taibah University.
  7. Thesis title: A metagenomic survey on the bacterial Microbiota in small ruminant's gut, **2019**, Taibah University
- **Annual report committee member, College of Science, Taibah University**
  - **Member of the Quality Management Unit, College of Science, Taibah University**
  - **Secretary of the Academic Guidance Committee, Faculty of Science, Taibah University**
  - **Member of the Academic Schedule Committee.**

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### RESEARCH INTERESTS

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- Identification of marine natural product biosynthetic genes and clusters using PCR techniques.
- Antibiotic Resistance and Antibiotic Resistance Genes (ARG)
- Anti-cancer and antimicrobial compounds from microorganisms
- Isolation and identification of novel microorganisms from extreme habitats
- Identification of natural products from microorganisms using NMR, UV, IR, and mass spectroscopy
- Optimization of factors affecting antibiotics production
- Investigating the occurrence, diversity and abundance of microorganisms in different habitats through metagenomic analysis.

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### SCHOLARSHIP AND AWARDS

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- [2003-2007] Ministry of High Education and Scientific Research (Algeria) Scholarship to study PhD of Microbiology in Jordan.
- [1997-2000] Ministry of High Education and Scientific Research (Algeria) Scholarship to study MSc and PhD of Microbiology in Iraq.
- [1994-1995] Award for top graduating Biology major from Ministry of High Education and Scientific Research (Algeria).

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### TRAINING WORKSHOPS

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1. International workshop organized by Jordan University of Science and Technology on **the Genetic Relatedness Among Bacteria Using Molecular Biology**.
2. International workshop organized by Jordan University of Science and Technology on **PCR in Practice**.
3. **Medical analysis** training course (2 months) Al Mustansiriyeh University
4. Nature Research Academies workshop "**Clinical Research Methodology**".

5. Nature Research Academies workshop “**Effective Post-Submission Strategies**”.
6. Nature Research Academies workshop “**Effective Academic Writing**”.
7. Nature Research Academies workshop “**Logical manuscript structure**”
8. Nature Research Academies workshop “**Publishing and Research Data**”.
9. Training courses: Microsoft Word, Excel, Power Point, and Internet Explorer. Taibah University.
10. Teaching **portfolio**. Taibah University.
11. **Manage your citation easily using EndNote**. Taibah University.
12. **How to write a research paper**. Taibah University.
13. **How to publish a research paper**. Taibah University.
14. **Behavior of public office**. Taibah University.
15. **Description of the program**. Taibah University.
16. **SPSS program**. Taibah University.
17. **E- calendars program**. Taibah University
18. **E-Questionnaire construction**. Taibah University.
19. **E-learning program**. Taibah University.

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### SCIENTIFIC MANIFESTATIONS

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1. 7<sup>th</sup> **International Entomopathogens and Microbial Control Congress**, 11-13 September 2019, Kayseri/TURKEY “Insecticidal activity of some entomopathogenic fungi against the date moth *Ectomyelois ceratoniae*, a major pest of stored dates”
2. 1<sup>st</sup> **International Conference on Modern Technology in the Field of Biotechnology and Genetic Engineering**. 5-8/10/2013, Amman/Jordan.  
"Optimization of Antimicrobial Compounds Production by Marine *Streptomyces sp. S48* isolated from the Gulf of Aqaba/Jordan"
3. **Eco- tourism and Sustainable Development**, the 28<sup>th</sup> meeting of Saudi Society of Biological Sciences, Hail, KSA, 9-11April, 2013  
"Purification of Bioactive compounds from Marine *Streptomyces sp.* Isolated from the Gulf of Aqaba/Jordan".

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### PUBLICATIONS

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1. Malika ALILI, and **Fayza KOUADRI**, A new approach to deliver the anticancer drug hydroxycarbamide, Saudi Journal of Biological Sciences. Under review.
2. Zohra BABAAMER, Nesren Ghazi Al-abdallah, **Fayza KOUADRI** and Musa Abu Zarga, New Cardenolide and Cardenolide glycosides from the aerial parts of *Pergularia tomentosa* L. and their biological activities. Under review
3. Amr Fouda, Ebrahim Saied , Ahmed M. Eid , **Fayza Kouadri**, Ahmed M. Aleman, Mohammed F. Hamza, Maha Alharbi, Amr Elkelish and Saad El-Din Hassan. Green Synthesis of Zinc Oxide

Nanoparticles Using an Aqueous Extract of Punica granatum for Antimicrobial and Catalytic Activity. J. Funct. Biomater. 14, 205 (2023). <https://doi.org/10.3390/jfb14040205>

4. REZKI Meriem Amina., **Fayza KOUADRI**, BEKKI Abdelkader, Evaluation of Plant Growth-Promoting Yeasts and Their Effect on Chickpea Plant Growth, *South Asian J Exp Biol*; 12 (4): 547-556; 2022 [DOI: 10.38150/sajeb]
5. REZKI Meriem Amina., **Fayza KOUADRI**, BEKKI Abdelkader, Evaluating the Potential of Yeasts for the Restoration of Degraded Area in Western Algeria. *South Asian J Exp Biol*; 12 (4): 567-575; 2022 [DOI: 10.38150/sajeb].
6. Muhammad Noman, Temoor Ahmed, Muhammad Shahid, Muhammad Bilal Khan Niazi, Muhammad Qasim, **Fayza Kouadri**, Awatif M. Abdulmajeed, Suliman Mohammed Alghanem, Naveed Ahmad, Mohsin Zafar, Shehbaz Ali, Biogenic copper nanoparticles produced by using the *Klebsiella pneumoniae* strain NST2 curtailed salt stress effects in maize by modulating the cellular oxidative repair mechanisms. *Ecotoxicology and Environmental Safety* 217 (2021) 112264.
7. **Fayza KOUADRI**, Microbiological assessment of the different hand drying methods and washroom environment cross-contamination, *International Journal of Microbiology*, (2020), Article ID 8815147 <https://doi.org/10.1155/2020/8815147>.
8. Munazzam Jawad Shahid, Ameena A. AL-surhanee, **Fayza Kouadri**, Shafaqat Ali, Neeha Nawaz, Muhammad Afzal, Muhammad Rizwan, Basharat Ali, Mona Soliman. Role of microorganisms in the remediation of wastewater in floating treatment wetlands: A review, *Sustainability*, (2020), 12, 5559; doi:10.3390/su12145559.
9. Karim Montasser, Maryam Alnoman, Hanan Abozaid, **Fayza Kouadri**, Mostafa Kamal, Howayda Gomaa, Ahmed Ghareeb. Biofilm formation in OXA-producing *Acinetobacter baumannii* isolates and their susceptibility to different antibiotics, *SYLWAN Journal*, (2019),163(12) 119-136
10. **Fayza Kouadri**, In vitro antibacterial and antifungal activities of the Saudi *Lawsonia inermis* extracts against some nosocomial infection pathogens. *Journal of Pure and Applied Microbiology*, 2018. 12(1) 281-286.
11. Ouidad ABDELAZIZ, Mohamed Morad SENOUSSE; Amar OUFROUKH OUFROUKH; Ali Kemal BIRGÜCÜ; İsmail KARACA; **Fayza KOUADRI**; Naima BENKENANA; Abderrahmane BENSEGUENI (2018) Pathogenicity of three entomopathogenic fungi, to the aphid species, *Metopolophium dirhodum* (Walker) (Hemiptera: Aphididae) and their alkaline protease activity, *Egyptian Journal of Biological Pest Control*, (2018) 28:24.
12. Ouidad Abdelaziz, Mohamed Morad Senoussi, Amar Oufroukh, Ali Kemal Birgücü, İsmail Karaca, **Fayza Kouadri** & Abderrahmane Bensegueni. Evaluation of Different Isolates of Entomopathogenic Fungi against *Metopolophium dirhodum* (Walker) (Hemiptera: Aphididae) from Constantine, Algeria. *The International Journal of Innovative Approaches in Agricultural Research*, (2018).
13. Abdelaziz O, Khiat N, Khiat I, and **Fayza Kouadri**. In vitro antagonistic activity evaluation of some selected fungi isolated from burned soils in Mila region (East of Algeria). *African Journal of Microbiology Research*, (2016) 10 (25): 914-917.
14. **Fayza KOUADRI**, Al-khaymi, and Al-Aboudy A. "Antimicrobial activity of *Streptomyces* sp. isolated from the gulf of Aqaba-Jordan and screening for NRPS, PKS-I, and PKS-II genes," *African Journal of Biotechnology*, (2014) 13 (34): 3505-3515.

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## REFERENCES

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Available upon request