



O'la AL-FAWARES

Assistant Professor

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Education

2019	Doctor of Philosophy, Microbiology, Paul Sabatier Université, Toulouse, France “Structure and Function of Hsp70-like Proteins in mycobacteria” Supervisor: Prof. Pierre Genevaux
2008	Master of Science, Forensic science and Toxicology, Jordan University of Science and Technology (J.U.S.T), Irbid, Jordan. “Impact of Smoking on Peripheral Vascular Disease of Lower Extremities in Northern Jordan” Supervisor: Dr. Hassan A. Al Balas
2006	Bachelor of Science, Biotechnology and Genetic Engineering, Jordan University of Science and Technology (J.U.S.T), Irbid, Jordan.

Administration Experience

2022-2023	Dean Assistant for Quality Assurance/Faculty of Science/ Al-Balqa Applied University. Al-salt, Jordan.
2022-Now	Conference Secretary of <i>International Conference on Applied Chemistry and Biotechnology</i> / Al-Balqa Applied University. Al-salt, Jordan.
2021-2022	Assistant Dean for Student Affairs/Faculty of Science/ Al-Balqa Applied University. Al-salt, Jordan.
2020-2022	Chairman of Department of Medical Analysis Sciences/ Al-Balqa Applied University. Al-salt, Jordan.
2019-Now	Consultant at Consulting and Training Center/Al-Balqa Applied University. Al-salt, Jordan.

Research Experience

2016-2019	Research assistant, French National Centre for Scientific Research – CNRS, Toulouse, France.
2012-2015	Research assistant, Pharmacy college / Jordan University of Science and Technology (J.U.S.T), Irbid, Jordan.



Teaching Experience

2019-present	Assistant Professor, Department of Medical analysis / Al-Balqa Applied University. Al-salt, Jordan.
2011-2012	Part time Lecturer, Department of Forensic science / Jordan University of Science and Technology (J.U.S.T), Irbid, Jordan.
2011	Part time Lecturer, AL-Huson University College/ Al-Balqa' Applied University, Irbid, Jordan.

Academic Memberships:

2022 - Now	Medical Technology and Laboratory Society
2020 - Now	L'Association des Diplômés des Universités et Instituts Français, (The Association of Graduates form French Universities and Institutes)

Recent Publications

1. **O'la AL-Fawares***, Areen Alshweiat, Rozan O. Al-Khresieh, Kawthar Z. Alzarieni, Ayat Hussein B. Rashaid. A significant Antibiofilm and Antimicrobial Activity of Chitosan-Polyacrylic Acid Nanoparticles against pathogenic bacteria. *Saudi Pharmaceutical Journal*. 23(1), (2024).
2. **O'la AL-Fawares***, Rozan O. Al-Khresieh, Aburayyan Walid, Seder Nesrin, I Al-Daghistani Hala, El-Banna Nasser, M. Abu-Taleb Emran. Comparison of preservation enrichment media for long storage duration of *Campylobacter jejuni*. *The Korean Journal of Microbiology*. 95(3), 192-196, (2023).
3. **O'la AL-Fawares***, Walid Abu Rayyan, Abdul Fattah Salah Fararjeh, Nesrin Seder. Probiotic Therapy: A Survey of Middle Eastern Healthcare Providers' Attitudes, Beliefs, and Practice Patterns. *Journal of Applied Pharmaceutical Science*. 13(10), 172-180, (2023).
4. Raghad H.F. Bashabsheh, **O'la AL-Fawares***, Iyad Natsheh, Roba Bdeir Rozan O Al-Khreshieh, Bashabsheh, Hasan H F. *Staphylococcus aureus* epidemiology, pathophysiology, clinical manifestations and application of nano-therapeutics as a promising approach to combat methicillin resistant *Staphylococcus aureus*. *Pathogens and Global Health*. 1-23, (2023).
5. Mohammad Mansour Albalbaki, **O'la AL-Fawares***, Walid Aburayyan, Nesrin Seder, Ola Mohammed Al-Sanabra, Lamya AL-Tahrawe, Mohammad Nazeeh Shatnawi. The correlation of gene mutation of coagulopathy cascade with elevated D-dimer levels in COVID-19 patients. *Journal of Applied Pharmaceutical Science*, (2023).
6. Mahmoud Ahmad Bashtawi, **O'la AL-Fawares**, Ayat Hussein B. Rashaid, Mazin Taha Alqhazo. Essential minerals and heavy elements assay in the scalp hair of Jordanian children with specific language impairment compared to their fluent control. *Journal of Applied Pharmaceutical Science*, (2023).



7. Rozan O Al-Khreshieh, **O'la Al-Fawares**, EM Abu-Taleb. *Campylobacter jejuni* Infections: Epidemiology, Pathophysiology, Clinical Manifestations and Management, *Journal of Biomedical Research & Environmental Sciences*, 4(2), (2023).
8. Ayat Hussein B Rashaid, Mazin Taha Alqhazo, Shreen Deeb Nusair, James B Adams, Mahmoud Ahmad Bashtawi, **O'la Al-Fawares**. Profiling plasma levels of thiamine and histamine in Jordanian children with autism spectrum disorder (ASD): potential biomarkers for evaluation of ASD therapies and diet, *Nutritional Neuroscience*, DOI: 10.1080/1028415X.2022.2101976 (2022).
9. Ammar A. Odeh, Hala I. Al-Jaber, Lina M. Barhoumi, **Ola Al-fawares**, Ashok K. Shakya, Mahmoud A. Al-Qudah, Ola Al-Sanabra. Phytochemical and bioactivity evaluation of secondary metabolites and essential oils of *Sedum rubens* growing wild in Jordan. *Arab. J. Chem.* 16(4), (2023).
10. Ola Bdair, Izzeddin Bdair, Esraa Gogazeh, **Ola Al-fawares**, Maysaa Alwadi, Rawan Badaineh, Fatima Al-tarawneh. A Cross-Sectional Survey of Knowledge, Attitude, and Practices Regarding Influenza Vaccination Among Jordanians Aged 18–64 With Chronic Diseases. *Turkish Journal of Pharmaceutical Sciences*. 10.4274/tjps.galenos.2022.61798. (2022).
11. W. A. Rayyan, W. A. Haza, N. Seder, **O'la Al-Fawares**, A. F. S. Fararjeh. The Implications of COVID-19 Infection on Hematologic Parameters and Coagulation Activity: A Systematic Review. *Biomed Pharmacol J*, 15(4), (2022).
12. Fararjeh AFS, Al Khader A, Kaddumi E, Obeidat M, **Al-Fawares O**. Differential Expression and Prognostic Significance of STARD3 Gene in Breast Carcinoma. *Int J Mol Cell Med*. 2021 Winter;10(1):34-41. doi: 10.22088/IJMCM.BUMS.10.1.34. Epub 2021 May 22. PMID: 34268252; PMCID: PMC8256830.

Supervised Doctoral & Master Theses:

2022-2023	Raghad Hussein Farhan Bashabsheh, (M.Sc.), Silica nanoparticle: a new technique to overcome the antibiotic resistance of <i>Staphylococcus aureus</i>
2022-2023	M. Mansour Mahmoud Mansour Albalbaki, (M.Sc.), Correlation of Elevated D-Dimer Levels Among COVID-19 Patient and Gene Mutation of Coagulopathy Cascade
2022-2023	Lina Ahmad Essa Alhiary, (M.Sc.), Molecular Genetic Identification of Multidrug Resistance Klebsiella Strains Derived from Various Clinical Sources in addition to the Evaluation of Antibiotic Combinations.

Research Grants:

2020	Pathogenicity study of <i>Campylobacter jejuni</i> strains isolated from animals, food, milk, and clinical sources in Jordan. (PI). Al-Balqa Applied University – Deanship for Scientific Research, # 432/2020/2021, 15000 JD.
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2020	Development of grafted chitosan-based microparticulate systems for oral delivery of probiotics: an <i>in vitro</i> study. (PI).Al-Balqa Applied University – Deanship for Scientific Research, # 659/2020/2021), 20000 JD.
2023	Hybrid of adsorption-antimicrobial properties of graphitic carbon nitride-CeO ₂ Nanocomposite for industrial wastewater treatment.(Co-PI). The Jordan Scientific Research Support Fund (SRSF)/The Ministry of Higher Education & Scientific Research, 44320 JD.

Conferences/ Workshops/ Seminars:

<i>May-2022</i>	-Conference Secretary of <i>International Conference on Applied Chemistry and Biotechnology</i> / Al-Balqa Applied University. Al-salt, Jordan.
<i>April, 2020</i>	- The CRISPR- Technology Workshop, the Department of Biology, University of Misan, Iraq.
<i>April, 2020</i>	-Immunological Testing During COVID-19, Harvard Medical School.
<i>May, 2017</i>	-Structure and function of molecular chaperone networks in mycobacteria. BSB, Paul Sabatier Université, Toulouse, France.
<i>Nov, 2016</i>	-Atypical HSP70-like proteins in bacterial physiology and virulence, LMGM Research Day, Toulouse, France.
<i>Oct, 2016</i>	-Chaperones in the maintenance of cellular proteostasis, Universidad Internacional de Andalucía (UNIA), Baeza, Spain.

Thesis Examining Committees:

1	Dima Owais . M.Sc. in Medical analysis, 2023. Antibiotic susceptibility and differential gene expression profiling of planktonic and biofilm of <i>staphylococcus aureus</i> isolated from diabetic food ulcer from Jordanian patients. Al-Balqa Applied University.
2	Reham Mohammed Odaibat. M.Sc. in Medical analysis, 2023.The effect of COVID-19 infection and vaccination on menstrual cycle and reproductive hormones. Al-Balqa Applied University.
3	Rand Ghaleb Abdul Kareem Almbaidin. M.Sc. in Forensic Medicine, Toxicology, and Forensic Science, 2021. Neurotoxicity of Zinc Oxide Nanoparticles and Protective Effect of Folic Acid. Jordan University of Science and Technology.
4	Rozan Odeh Abdel-Rahman Al-khresieh. M.Sc. in Medical analysis, 2021. Epidemiological study of <i>Campylobacter jejuni</i> isolated from different sources using biochemical, serological, and molecular method. Al-Balqa Applied University.
5	Haneen Jamal Mahmud Abuu Ganem. M.Sc. in Forensic Medicine, Toxicology, and Forensic Science, 2021. Immunotoxicity of Ciprofloxacin in Rats and Protective Effect of Vitamin C. Jordan University of Science and Technology.
6	Sara Mhd Mohanand AL Sbei. M.Sc. in Applied Biological Sciences, 2021.



Molecular Characterization of Plasmids in Extensively Drug-resistant *Acinetobacter baumannii*. Jordan University of Science and Technology.

References

- 1 -Prof. Pierre Genevoux, Paul Sabatier Université, France.
pierre.genevoux@ibcg.biotoul.fr
 - 2 -Dr. Michèle Coddeville, Laboratoire de Microbiologie et Génétique Moléculaires, CNRS, France. michele.coddeville@ibcg.biotoul.fr
 - 3 - Prof. Axel Mogk, Universität Heidelberg, Germany.
a.mogk@zmbh.uni-heidelberg.de
 - 4 - Prof. Wilbert Bitter, Vrije Universiteit Amsterdam, The Netherlands.
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