

Date 15/11 /2024

MOHAMMAD AKRAM AL MAJALI



FACULTY FULL NAME: Faculty of Applied Medical Sciences

PERSONAL INFORMATION

Title: Dr.

Academic Rank: Assistant Professor.

Date & Place of Birth: 2 Apr 1984/ Al Qasr

Nationality: Jordanian

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Academic Qualifications

- ◆ PhD Degree in Biological Sciences – Dissertation entitled:(**Evaluation of volatile oil chemical polymorphism and potential antimicrobial and antioxidant activities of four *Pinus* species growing in Jordan: *in vitro* and *in vivo* study**) / The University of Jordan, Jordan, 2020, **Rating: Very Good.**

During my PhD degree, I had many **courses** in all biological sciences fields in advanced level (**Molecular Physiology, Advanced Vertebrate Biology {Comparative Anatomy}, Chemistry of Proteins and Enzymes, Bioenergetics, Advanced Biochemistry, Microbial Physiology, Advanced Applied Microbiology, Biotechnology of Living Organisms, Biotechnology in Food and Nutrition, Medicinal Plants, Plant Ecology and Biodiversity**).

- ◆ M.Sc. Degree in Biological Sciences – Thesis entitled:(**Antibacterial and antioxidant activities of ethanolic extracts of *Nigella sativa* and *Pimpinella anisum***)/ Mu'tah University, Jordan, 2012, **Rating: Excellent.**

During my M.Sc. Degree, , I had many **courses** in all biological sciences fields in advanced level (**Physiology, Neurobiology, Biochemistry, Molecular Biology, Cell Biology, Microbial Metabolism, Immunology, Research Project, Instrumental Analysis in the Biological Sciences and Plant Physiology**).

- ◆ B.Sc. Degree in Nutrition and Food Technology/Mu'tah University, Jordan, 2006, **Rating: Good.**

During my B.Sc. Degree, Also I had **courses** in all Biological sciences and its related fields in undergraduate level (**General Biology 1, Practical General Biology 1, General Biology 2, Practical General Biology 2, Animal Physiolog, Microbiology, Practical Microbiology and Biochemistry**).

- ◆ General Secondary Certificate, Scientific Branch, Al-Qasr Secondary School, 2002.

TEACHING EXPERIENCE

Duration(Y)	Rank	Institution	Department/Faculty	Country
2013/2014	Research Assistant	University of Jordan	Water, Energy and Environment Center	Jordan
2017/2018	Lecturer	Al-Balqa Applied University	Karak University College	Jordan
2019/2020	Lecturer	Al-Balqa Applied University	Karak University College	Jordan
2019/2020	Lecturer	Mutah University	School of Pharmacy	Jordan
2020/2021	Lecturer	Mutah University	School of Pharmacy	Jordan
2020/2021	Lecturer	Al-Zaytoonah University	School of Pharmacy	Jordan
2020/2021	Lecturer	Mu'tah University	School of Pharmacy	Jordan
2021/2022	Lecturer	Philadelphia University	School of Science	Jordan

دائرة الموارد البشرية
Human Resources Department

2022/2023		Philadelphia University	School of Pharmacy	
	Lecturer			Jordan
2022/2023		Al-Balqa Applied University	Karak University College	
	Lecturer			Jordan
2022/2023		Al-Balqa Applied University	Zarqa University College	
	Lecturer			Jordan
2022/2023		Mu'tah University	School of Pharmacy	
	Lecturer			Jordan
2022/2023		Mu'tah University	School of Allied Medical Sciences	
	Lecturer			Jordan
2023/2024		Mu'tah University	School of Pharmacy	
	Lecturer			Jordan
2023/2024		Jerash University	School of Science	
	Assistant Prof.			Jordan

Publications

- ◆ Evaluation of the Antiglycation effect of Branched Chain Amino Acids and Phytochemical Compounds on RAW 264.7 cell line and Their Synergistic Effect on Colorectal Cancer Cell Line Panel (2021).
- ◆ Biofuel production from Agro-Industrial waste of tomato pomace by-products using *Aspergillus niger* and *S. cerevisiae* (2021).
- ◆ Branched-chain amino acids as *in vitro* and *in vivo* anti-oxidation compounds (2021).
- ◆ Prevalence And Impact of Nomophobia on Academic Performance Among University Students: South of Jordan (2024)
- ◆ Bioelectrical Impedance Analysis (BIA) of body segment composition as an obesity assessment tool among Jordanians (2024).
- ◆ Evaluation of the potential *in vitro* and *in vivo* bioactivity (antimicrobial, antioxidant, antidiabetic and anti-inflammatory) of Synthetic chemical compounds.

Teaching Interests

- ◆ Physiology, Anatomy, Neurobiology, Pathophysiology, Biochemistry, Clinical Biochemistry, Medical Biochemistry, Microbiology, Biotechnology, Pathology and General Biology.

Research Interests

My priority areas of research are as follows:

- ◆ Evaluation the effect of medicinal plants on the physiological, biochemical and oxidative status in the induced diabetic rats.
- ◆ Effects of phytochemicals isolated from different medicinal plants on rat isolated smooth muscle and on other body systems.
- ◆ Evaluation of the Potential Bioactivity (antimicrobial, antioxidant, antidiabetic and anti-inflammatory) activities of medicinal plants and correlating their biological activities with phytochemical analysis and the major phytochemical components on two levels (*in vitro* and *in vivo* studies).
- ◆ Evaluation the effect of medicinal plants on the oxidative status (enzyme assay) in the induced oxidative stress mice with LPS model.

Training courses

- ◆ Enhanced Computer Skills (Windows Office – Word and Excel), 2001.
- ◆ Food Safety and Hygiene – Jordanian Agricultural Engineers Association, 2007.
- ◆ English Language Course – Preparing for TOEFL Test, 2009.
- ◆ IWRM and the Water, Energy and Climate Nexus – Water, Energy and Environment Center, The University of Jordan, 2013.
- ◆ Certificate of academic work practice 2024

Language Proficiency

- ◆ Arabic: Native
- ◆ English: Very good in writing, reading, speaking and understanding.

References

- ◆ **1. Dr. Jumah Shakhanbeh, Prof.**
(Physiology and Neurobiology)
Email: jusha@mutah.edu.jo. Phone: +962795510920
 - ◆ **2. Dr. Yasser Khalil Bustanji, Prof. (PhD Dissertation External Examiner)**
(Biochemistry and Clinical Biochemistry)
Email: bustanji@ju.edu.jo. Phone: +962798515388
 - ◆ **3. Dr. Adel M. Mahasneh, Prof.**
(Microbiology and Biotechnology)
Email: amahasneh@ju.edu.jo. Phone: +962777490005
 - ◆ **4. Dr. Mohammad Mahmoud Hudaib, Prof. (PhD Dissertation Supervisor)**
(Medicinal Natural Products and Phytochemical Analysis)
Email: m.hudaib@ju.edu.jo. Phone: +96279851 3455
 - ◆ **5. Dr. Talal Ahmad Aburjai, Prof. (PhD Dissertation External Examiner)**
(Natural Product Chemistry and Phytotherapy)
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