



Name: Muhannad I.

Massadeh

E-Mail:

mmassadeh@zu.edu.jo

Scientific Field:

Microbiology

Academic Rank:

Professor



QUALIFICATIONS:

1.	B.Sc. in Applied Biology (Microbiology), 1997, Jordan University of Science and Technology, JORDAN
2.	M.Sc. in Microbiology, 2000, National University of Malaysia (UKM), MALAYSIA
3.	Ph.D. in Microbial Physiology, 2004, National University of Malaysia (UKM), MALAYSIA

TEACHING EXPERIENCE:

#	Job title	Place	Period
-	Researcher at the Royal Society for the Conservation of Nature (RSCN) in JORDAN, 1997. Biodiversity of Bats in Jordan, a joint Project with Durham University, England.		
-	Teaching Assistant at the Biotechnology Engineering Department, International Islamic University of Malaysia, 2003. Microbiology, Biochemistry, Biochemical and Microbiology Lab.		
-	Researcher at the Malaysian Palm Oil Board (MPOB), Microbiology Department in corporation with the New Energy Development Organization (JAPAN). July 1 st 2003 – March 2004. “ <i>ABE Fermentation and bio-Hydrogen production</i> ”		
-	2005 - till now, Professor at the Dept. of Biology and Biotechnology, The HASHEMITE UNIVERSITY, Jordan.		
-	Sabbatical leave as Associate Professor (2016/2017) at the Faculty of Pharmacy/Al Zaytoonah University-Jordan		



- 2023/2024, Head of Department of Biology and Biotechnology- The HASHEMITE UNIVERSITY, Jordan.
- **Currently, Visiting Professor, Department of Medical Laboratory, Faculty of Allied Medical Sciences, Zarqa University, Jordan**

PUBLICATIONS:

- **Muhannad I. Massadeh**, Wan Mohtar Wan Yousoff, Jalil Kader & Othman Omar (2001). Synergism of Cellulase enzymes in Mixed culture Solid Substrate Fermentation. *Biotechnology Letters*. 23: 1771-1774.
- Wan Mohtar Wan Yousoff, **Muhannad I. Massadeh**, and Jalil Kader (2000). Solid substrate and Submerged Culture fermentation of sugar cane bagasse for the production of cellulase and reducing sugars by a local isolate *Aspergillus terreus* SUK-1. *Journal of Microbiology and Biotechnology*. 10: 770-775.
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- **Massadeh MI**, and Modallal, N. (2008). Ethanol production from olive mill wastewater (OMW) pretreated with *Pleurotus sajor caju*. *Energy and Fuels*. 22: 150-154.
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- Khalid G. Fandi, Isam Y. Qudsieh, Suleyman A. Muyibi, and **Muhannad I. Massadeh** (2009). Water pollution status assessment of King Talal Dam, Jordan. *Advances in Environmental Biology*. 3: 92-100.
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- **Muhannad I. Massadeh** and Ameineh N. Radwan (2012). Production of Branched Chain Ketoacid Dehydrogenase Enzyme by Thermophilic Bacteria Isolated from Ma'In Hot springs in Jordan. International Conference on Sciences; Al al-Bayt university in corporation with Universiti kebangsaan Malaysia (Jordan)
- **Muhannad I. Massadeh and Khalid Fandi (2014)**. Acetone-Butanol-Ethanol (ABE) production by anaerobic Microflora growing on Olive Mill Wastewater. *Journal of Biobased Materials and Bioenergy*. 8: 94-98.
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- **Muhannad I. Massadeh** and Suha Mahmoud (2019). Antibacterial Activities of Soil Bacteria Isolated from Hashemite University Area in Jordan. Jordan Journal of Biological Sciences. 12:503-511.
- Anhar Al-Turk, Nidal Odat and **Muhannad I. Massadeh** (2020). Isolation and Molecular Characterization of Antibiotic Producing *Bacillus licheniformis* Strains Isolated from soil. Journal of Pure and Applied Microbiology. 14(4): 2363-2370.
- Khalid Ghazi Fandi, Fouad Almomani, **Muhannad Massadeh**, Yousef M. Abu-Zaitoon, and Abdel Rahman Al Tawaha (2020). Pectolytic, cellulytic enzyme activity and RAPD polymorphism detection of *Macrophomina phaseolina* isolated from infected plants in Jordan. Research on Crops. 21(4): 804-812.
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PERSONAL INFORMATION:

Place and Date of Birth		Kitim-Irbid; 1974
Nationality		Jordanian
Marital Status		Maried
Address		
Telephone No.	Work	
	Mobile	0798518882
Postal Address		