

# Vail Şihada (Wael Shehada)

PhD. in Biology, (Microbial Fermentation and Enzyme Technology)



## PERSONAL DATA

Name:	Vail Şihada
DOB:	31.10.1984
Nationality:	Turkish & Palestinian
Maritalstatus:	Married

## CONTACT

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LinkedIn: [Dr. Vail Şihada](#)

## LANGUAGES

Arabic (native)  
English (fluent)  
Turkish (fluent)

## ORCID

<https://orcid.org/>

0009-0003-5303-7755

## PROFILE

Dr. Vail Şihada holds a PhD in Microbial Fermentation and Enzyme Technology. With extensive expertise in the field, Dr. Şihada specializes in the development and optimization of microbial processes for industrial applications. Their research focuses on enzyme engineering, microbial metabolic pathways, and bioprocess scaling, contributing to advancements in biotechnology and sustainable production methods. Dr. Şihada is committed to bridging the gap between fundamental research and practical applications, driving innovation in biotechnology and fostering collaborations across academia and industry.

## EDUCATION

2012-2017

PhD. in Biology, (Fungal Biotechnology):

From Gazi University of Turkey – Ankara. 2017 (3.64/4).

The PhD thesis entitled "The Production and Characterization of Protease Enzyme from Strains of Aspergillus and Rhizopus" The PhD degree also involved post graduate courses in industrial microbiology, techniques used in molecular biology 1, elementary proteomix, free radicals and antioxidant defense systems, food microbiology, advanced biotechnology and prokaryotic diversity.

2007-2010

M.Sc. in Biological sciences:

From the Islamic University of Gaza 2010 (very good grade).

The Master thesis entitled "In Vitro Mycorrhization of Some Seasonal Plants by Using Local Soil Fungi". The Master degree also involved post-graduate courses in Molecular biology of the cell, enzymes and hormones, Advanced Biochemistry, special topics in animal sciences, advanced physiology, biostatistics, industrial microbiology, animal diseases and animal nutrition.

2002-2006

B.Sc. in Biological Sciences:

From the Islamic University of Gaza, (Good with Grade Honour). awarded 2006.

The B.Sc. degree involved special courses in Cell biology, Animal physiology, Biochemistry, Genetics, Microbiology, Organic chemistry, Invertebrate, Vertebrate, Micro technique and Biostatistics, these courses were given in English language.

2002

General Certificate Examination:

From Khaled Ben Al-Waleed Secondary School 2002 Nuseirat Gaza.

## EXPERIENCE

- R&D Department' Biotechnology and Microbiology Lab Supervisor 2023 - 2024  
Matrikskimya (www.matrikskimya.com)
- Biology Teacher and Biology Laboratory Advisor 2017- 2020  
International Schools
- PhD Researcher 2012-2017  
Gazi University - Ankara
- Lecturer in (Biology and Biotechnology) Department and the Faculty of Medicine. 2010-2012  
The Islamic University of Gaza.
- Teaching Assistant in Biology and Biotechnology Department. 2006-2010  
The Islamic University of Gaza

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## ACADEMIC SKILLS

- Experiment Supervision
- Genetic Analysis
- Data Collection
- Data Analysis
- Academic Research
- Scientific Writing
- Publications
- Team Leadership

## COMPUTERSKILLS

- Genetic Analyzers (Bio-Rad)
- Statistical Software (SPSS)
- SDS-PAGE Analyzers
- DNA Sequencing (Blast Programme)
- Microsoft Office™ Tools  
(Excel, PPT, Word, MS Project, Visio)

## COURSES TAUGHT

- Practical General Biology
- Practical Biochemistry
- Practical Plant Physiology
- Practical Histology
- Practical Animal Physiology
- Diagnostic Parasitology Lab
- Practical Fungal Biology
- Marine Biotechnology Lab

## TRAINING COURSES

- Training course in SPSS program in Islamic university –Gaza.
- Training course in advanced English in Islamic university –Gaza.
- Training course in solutions preparation in scientific laboratories in Islamic university –Gaza.
- Training course in a preparation course “TOEFL” exam.
- Training course in macrofungi diagnosis.

## CONFERENCES

- [1]. The Second International Conference for Science and Development: Faculty of Science, The Islamic University of Gaza, March 6-7, 2007, Gaza, Palestine.
- [2]. Updates In Pediatrics: Faculty of Medicine, The Islamic University of Gaza, October 14-15, 2010, Gaza, Palestine.
- [3]. International Agriculture Congress: Lumina - The University of South-East Europe, September 02-06, 2014, Bucharest, Romania.
- [4]. National Congress of Rational Antibiotics Use: May 06-10, 2015, Girne, Turkish Republic of Northern Cyprus.
- [5]. National Mycology Symposium: September 9-11, 2015, Istanbul, Turkey.
- [6]. 1st International Eurasia Mycology Congress: 3-5 July 2017, Manisa / Turkey

## PUBLICATIONS

- [1]. Wael Shehada, Güven Uraz, Rasime Demirel and Haluk Hamamcı, Proteolytic Activity of *Aspergillus niger* Strains Isolated from Soil, *International Journal of Current Microbiology and Applied Sciences*, 2021. 10 (02): 67-75.
- [2]. Güven Uraz, Wael N.A. Shehada, Haluk Hamamcı, Proteolytic Activity of *Rhizopus oryzae* ATCC 963 Strain, 1st International Eurasia Mycology Congress, 3-5 July 2017, Manisa / Turkey
- [3]. Abboud El Kichaoui, Nedal Fayyad, Ameera El Hayek, Fareda Mosleh, Nadia Amara, Wael Shehada, Emad Youssief and Mahmoud El Hindi\*, In vitro, Alternative Methods to the Biological Control of the Aphids by Entomopathogenic Fungi *Beauveria bassiana* Isolates from Gaza Strip, *Int.J.Curr.Microbiol.App.Sci*, 2016. 5(10): 537-543.
- [4]. Güven Uraz, Wael N.A. Shehada, Haluk Hamamcı, Protease Enzyme Activity of Fermentation Result by *Aspergillus* and *Rhizopus* strains, National Mycology Symposium, September 9-11, 2015, Istanbul. (in Turkish language).
- [5]. Güven Uraz, Wael N.A. Shehada, Protease Enzyme Activity of *Aspergillus* Strains Isolated from Soil, National Congress of Rational Antibiotics Use, May 06-10, 2015, Turkish Republic of Northern Cyprus. (in Turkish language).
- [6]. Wael N.A. Shehada, Güven Uraz, Protease Enzyme Activity of *Rhizopus* Strains Isolated from Soil, National Congress of Rational Antibiotics Use, May 06-10, 2015, Turkish Republic of Northern Cyprus. (in Turkish language).
- [7]. Güven Uraz, Ela Erden Doğan, Wael N.A. Shehada, 2014. Isolation Some Members of Enterobacteriaceae from Raw Milk and Evaluation of Its Biofilm Characteristics, International Agriculture Congress, September 02-06, 2014, Lumina.
- [8]. K.J. Elnabris, A.A. Elmanama and W.N. Shehada, Antibacterial activity of four marine seaweeds collected from the coast of Gaza Strip, Palestine, *Mesopot. J. Mar. Sci*, 2013. 28(1): 81 – 92