# MAJD LAHHAM

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**Gender: Male / Date of birth: 20.12.1978**
**Nationality: Syrian**

I am a dedicated and experienced biotechnologist with a strong academic background and extensive research expertise in enzymology, protein characterization, and pharmaceutical biotechnology. My career spans academia, research, and quality assurance in education, with a focus on advancing scientific knowledge and developing innovative biotechnological solutions. I aim to contribute to the scientific community as a scientist, producing impactful research and biotechnological products that address market needs.

## EXPERIENCE

**10/2024 – PRESENT (SYRIA)**
**ASSISTANT PROFESSOR,** YARMOUK PRIVATE UNIVERSITY (YPU)
- Prepare and deliver lectures on biotechnology and biochemistry.
- Develop and improve course content to enhance student engagement and learning outcomes.
- Supervise and coordinate graduation projects focused on protein research.

**10/2022 – 2024 (SYRIA)**
**ASSISTANT PROFESSOR,** ARAB UNIVERSITY FOR SCIENCE AND TECHNOLOGY (AUST)
- Prepare and deliver lectures on biotechnology and biochemistry.
- Develop and improve course content to enhance student engagement and learning outcomes.
- Supervise and coordinate graduation projects focused on protein research.

**3/2019 – 9/2022 (SYRIA)**
**ASSISTANT PROFESSOR,** ALJAZEERA PRIVATE UNIVERSITY (JPU)
- Prepare and deliver lectures on biotechnology and biochemistry.
- Develop and improve course content to enhance student engagement and learning outcomes.
- Supervise and coordinate graduation projects focused on protein research.

**9/2015 – 11/2018 (AUSTRIA)**
**PHD RESEARCHER,** GRAZ UNIVERSITY OF TECHNOLOGY (TUG)
- Awarded an Erasmus Mundus scholarship to conduct research in biotechnology and enzymology.
- Characterized an enzyme from the amine oxidase family, contributing to a deeper understanding of its biochemical properties.
- Published findings in prestigious journals and participated in collaborative review studies.

**6/2012– 8/2015 (SYRIA)**

**QUALITY CONTROL ANALYST,** INTERNATIONAL UNIVERSITY FOR SCIENCE AND TECHNOLOGY (IUST)

- Implemented quality control measures in educational programs.
- Authored a quality self-assessment report (SAR) for the College of Pharmacy curriculum.
- Conducted routine evaluations of learning processes to ensure academic standards.

**6/2012-8/2015 (SYRIA)**

**CAREER CENTER DIRECTOR,** INTERNATIONAL UNIVERSITY FOR SCIENCE AND TECHNOLOGY (IUST)

- Directed resume writing workshops and training programs for graduates.
- Organized field trips and on-site lectures at industrial companies to enhance student practical knowledge.

**09/2011-08/2015 (SYRIA)**

**BIOLOGY AND MICROBIOLOGY LAB INSTRUCTOR,** INTERNATIONAL UNIVERSITY FOR SCIENCE AND TECHNOLOGY (IUST)

- Conducted laboratory sessions and provided hands-on training in biology and microbiology.

**7/2007-9/2011 (SYRIA)**

**MONITORING AND EVALUATION OFFICER,** DEPARTMENT OF ECUMENICAL RELATIONS AND DEVELOPMENT (DERD) (NGO)

- Designed and implemented monitoring frameworks for humanitarian projects.
- Conducted performance assessments and facilitated planning meetings to improve project outcomes.

# EDUCATION

**OCTOBER/2018 (AUSTRIA)**

**DR. RER. NAT (BIOCHEMISTRY AND BIOTECHNOLOGY),** GRAZ UNIVERSITY OF TECHNOLOGY (TUG)

- Graduated with the highest distinction (1.0).
- Published research in prestigious journals and contributed to a highly cited review study.

**SEPTEMBER/2007 (LEBANON)**

**MASTER OF SCIENCE (MOLECULAR BIOLOGY),** LEBANSESE AMERICAN UNIVERSITY (LAU)

- Got my Master's degree with "B rank" and successfully conducted thesis about pathogenic genes in *Escherichia coli* causing urinary tract infection.

**SEPTEMBER/2003 (SYRIA)**

**DIPLOMA (MICROBIOLOGY),** DAMASCUS UNIVERSITY (DU)

One year post graduate study in the field of medical microbiology.

**SEPTEMBER/2002 (SYRIA)**

**BACHELOR OF PHARAMCY,** DAMASCUS UNIVERSITY (DU)

Five years study in the field of pharmaceutical sciences.

## SKILLS

- Vast experience in conducting lab experiments in the field of recombinant DNA technology and protein fermentation and expression.
- Analyzing, documenting, and processing data in the contexts of lab, classroom, and field work.
- Authoring, overseeing, and coordinating expert-level scientific papers.
- Leadership and supervision in academic and practical settings.
- Possesses wide range of both theoretical and hands-on knowledge in academic and practical application settings.
- Leadership and supervisory experience across scientific and practical work disciplines.
- Scientific writing, editing, and coordination of research publications.

## ACTIVITIES

I served as a volunteer in the Red Cross community, and further undertook different management courses in the context of humanitarian field work. I was invited as a keynote speaker for an NGO-sponsored peacemaker program held across multiple U.S. states. I participated in two European projects in the field of quality assurance of education, which involved fostering the life skills of graduate students in my university. I participated in several scientific conferences, and my work is published widely among various journals (for more information, please refer to my Google scholar account).

## PUBLICATIONS


- Lahham, M., Jha, S., Goj, D., Macheroux, P., and Wallner, S. (2021) The family of sarcosine oxidases: Same reaction, different products. Arch. Biochem. Biophys. 10.1016/j.abb.2021.108868
- Lahham, M., Pavkov-Keller, T., Fuchs, M., Niederhauser, J., Chalhoub, G., Daniel, B., Kroutil, W., Gruber, K., Macheroux, P. (2018) Oxidative cyclization of N-methyl-dopa by a fungal flavoenzyme of the amine oxidase family J. Biol. Chem. published online September 7, 2018
- Eggers, R., Jammer, A., Jha, S., Kerschbaumer, B., Lahham, M., Strandback, E., Toplak, M., Wallner, S., Winkler, A., and Macheroux, P. (2021) The scope of flavin-dependent reactions and processes in the model plant Arabidopsis thaliana. Phytochemistry. 10.1016/j.phytochem.2021.112822
- Daniel, B., Konrad, B., Toplak, M., Lahham, M., Messenlehner, J., Winkler, A., and Macheroux, P. (2017) The family of berberine bridge enzyme-like enzymes: A treasure-trove of oxidative reactions. Arch. Biochem. Biophys. 632, 88-103
- Carmona, OG.. Lahham, M.. Poliak, P., Goj, D., Frießer, E., Wallner, S., Macheroux, P., and Oosternbrink. C., (2023) Understanding the riddle of amine oxidase flavoenzyme reactivity on the stereoisomers of N-methyl-dopa and N-methyl-tyrosine. Journal of Molecular Recognition, e3068