europass

# Salma Khazaal

**Phone:** (+961) 71561702 (Mobile) | **Email address:** s.khazaal@bau.edu.lb | **Address:** Beirut, Lebanon (Home)

## ABOUT ME

I hold a PhD in Biology/Biotechnology from Beirut Arab University (BAU), Lebanon, earned in 2024. My academic journey began with a BSc in Nutrition and Dietetics (Honors) from BAU in 2017, followed by nine months of clinical training at Makassed General Hospital. I subsequently passed the Dietetic Colloquium Exam and obtained my Lebanese Dietetic License.

In 2020, I earned an MSc in Food Analysis and Safety from BAU, during which my research was published in *Food Chemistry*. Since 2019, I have been actively involved at BAU as a Graduate Teaching Assistant and Research Assistant, contributing to both teaching and scientific research.

In Fall 2020, I began my PhD studies in Biology/Biotechnology at BAU. During my doctoral studies, I was awarded a Research Mobility Program grant from the Arab-German Young Academy (AGYA), which enabled me to conduct a significant part of my doctoral research at the Jordan University of Science and Technology.

Following the completion of my PhD in 2024, I joined BAU as an Assistant Professor, where I continue to contribute to teaching and research in the fields of food safety, food analysis, nutrition, and biotechnology.

## EDUCATION & TRAINING

2020/09/01 - 2024/09/01 - BEIRUT, LEBANON

**PHD IN SCIENCE, BIOLOGY-BIOTECHNOLOGY**- FACULTY OF SCIENCES, BEIRUT ARAB UNIVERSITY

2018/09/01 - 2020/08/01 - BEIRUT, LEBANON

**MASTER IN FOOD ANALYSIS AND SAFETY**- FACULTY OF HEALTH SCIENCES, BEIRUT ARAB UNIVERSITY

published in Food Chemistry "https://doi.org/10.1016/j.foodchem.2021.131676"

**Thesis:** "Risk assessment of pesticide residues from foods of plant origin in Lebanon" published in Food Chemistry journal

2017/08/01 - 2018/05/01 - BEIRUT, LEBANON

**DIETETIC INTERNSHIP**- MAKASSED GENERAL HOSPITAL

2014/09/01 - 2017/06/01 - BEIRUT, LEBANON

**BACHELOR OF SCIENCE, NUTRITION AND DIETETICS**- FACULTY OF HEALTH SCIENCES, BEIRUT ARAB UNIVERSITY

## WORK EXPERIENCE

2025/08/31 - CURRENT - BEIRUT

**ASSISTANT PROFESSOR OF BIOLOGY/BIOTECHNOLOGY** BEIRUT ARAB UNIVERSITY

-Teaching undergraduate and postgraduate courses in biochemistry, nutrition, food analysis, food safety, food chemistry, and risk analysis

-Co-supervising MSc theses

-Conducting research on food waste, safety, and adulteration

2023/11/30 - 2024/11/30 - BEIRUT, LEBANON

**LECTURER** BEIRUT ARAB UNIVERSITY

2022/11/30 - 2023/11/30 - BEIRUT, LEBANON

**UNIVERSITY RESEARCH ASSISTANT** BEIRUT ARAB UNIVERSITY

2018/11/30 - 2023/11/30 - BEIRUT, LEBANON

**UNIVERSITY TEACHING ASSISTANT** BEIRUT ARAB UNIVERSITY

## SKILLS

Microsoft Office | Microsoft Excel | Google Drive | Microsoft Word | Outlook | Microsoft Powerpoint

## LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken production | Spoken interaction | |
| **ENGLISH** | C2 | C2 | C2 | C2 | C2 |
| **FRENCH** | A2 | A2 | A2 | A2 | A2 |

## PUBLICATIONS

**Optimized extraction of polyphenols from rooibos tea (Aspalathus linearis) and their biological activities** 2026

Othman, M. M., Azakir, B., Khazaal, S., Rabie, M., Sokhn, E. S., Maroun, R. G., Debs, E., Louka, N., El Darra, N. Frontiers in Nutrition

**Valorization of Onion By-Products and Assessment of Their Biological Activities** 2026

Rabie, M., Khazaal, S., Othman, M. M., Sokhn, E. S., Debs, E., Sunoqrot, S., Azakir, B., Louka, N., El Darra, N. Foods

**Screening of Pesticide Residues in Cornflakes Available on the UAE Market** 2025

N El Darra, S Khazaal, A Jammoul, HF Hassan, N Alwan Journal of Food Protection

**Enhancing Chemotherapy Efficacy: Examining the Combination Effect of Terfezia boudieri Water Extract with First-Line Drugs Against Cancer Cell Lines** 2025

K Sawaya, S Khazaal, M Khalil, G Khawaja Arabian Journal of Medicinal and Aromatic Plants

**Quality and authenticity of animal and vegetable fats imported to the United Arab Emirates** 2025

T M Osaili, S Khazaal, W A Bani Odeh, H J Al Ali, B M Abu Sari, A M Almehdi, L Cheikh Ismail, N Alkalbani, R S Obaid, R Holley, N El Darra Journal of Agriculture and Food Research

**Valorization of Tomato Leaves: Optimization of Eco-Friendly Phenolic Extraction and Assessment of Biological Activities** 2025

L Helmi, S Sunoqrot, S Abusulieh, R Huwaitat, E Debs, S Khazaal, M H El-Dakdouki, N Louka, N El Darra Foods

**Characterization and Biological Activity of Magnesium Nanoparticles Synthesized from Escherichia coli MetabolitesAgainst Multidrug-Resistant Bacteria** 2025

M Mezher, S Khazaal, MI Khalil, D El Badan, TA Hamdalla Bacteria

**Acceptability of veggie bread among Lebanese adults** 2025

A Chanbour, H F Hassan, D Kreidieh, S Khazaal, T Osaili, K El Omari, N El Darra Frontiers in Nutrition

**Adulteration and quality assessment of tomato paste: a study of the Lebanese market** 2025

Habib, F., Khazaal, S., Bou Yazbeck, E., Debs, E., Sunoqrot, S., Louka, N., & El Darra, N. Frontiers in Nutrition

**Reduced graphene oxide-based electrochemical aptasensor for the multiplexed detection of imidacloprid,thiamethoxam, and clothianidin in food samples** 2026

Almenhali, A. Z., Kanagavalli, P., Abd-Ellah, M., Khazaal, S., El Darra, N., & Eissa, S. Scientific Reports

**Evaluation of Essential Oils as Natural Antibacterial Agents for Eggshell Sanitization and Quality Preservation** 2025

El-Soufi, A., Al Khatib, A., Khazaal, S., El Darra, N., & Raafat, K. Processes

**From Spent Black and Green Tea to Potential Health Boosters: Optimization of Polyphenol Extraction andAssessment of Their Antioxidant and Antibacterial Activities** 2024

Harfoush, A., Swaidan, A., Khazaal, S., Salem Sokhn, E., Grimi, N., Debs, E., Louka, N., & El Darra, N. Antioxidants

**Evaluation of Selected Folk Herbs on the Fertility of Sprague Dawley Male Rats: Biochemical, Histological,and Molecular Investigations** 2024

Khalaf, R. R., Khazaal, S., Abouzeinab, N. S., & Khalil, M. I. Life

**Optimized Extraction of Polyphenols from Kiwifruit Peels and Their Biological Activities** 2024

Shkeir, B., El Darra, N., Azakir, B., Khazaal, S., Sokhn, E. S., Koubaa, M., Maroun, R. G., Louka, N., & Debs, E. BioTech

**Valorization of sesame seed coat waste: phenolic composition, antibacterial efficacy, and nanoemulsionencapsulation for food preservation** 2024

Khazaal, S., Khalil, M. I., Osaili, T. M., Albiss, B., Al-Nabulsi, A. A., Louka, N., & El Darra, N. Frontiers in Nutrition

**Valorization of sesame (Sesamum indicum L.) seed coats: Optimization of polyphenols' extraction using Ired-Irrad®and assessment of their biological activities**

Khazaal, S., Louka, N., Debs, E., Khalil, M., Albiss, B., Al-Nabulsi, A., Jammoul, A., Osaili, T. M., & Darra, N. El. . Journal of Agriculture and Food Research

**Detection and risk associated with organochlorine, organophosphorus, pyrethroid and carbamate pesticideresidues in chicken muscle and organ meats in Jordan** 2023

Osaili, T. M., Al-Natour, M. Q., Al-Abboodi, A. R., Alkarasneh, A. Y., El Darra, N., Khazaal, S., & Holley, R. Food Control

**Risk assessment of pesticide residues from foods of plant origin in Lebanon** 2022

Khazaal, S., El Darra, N., Kobeissi, A., Jammoul, R., & Jammoul, A. Food Chemistry