

Nazmia Nassereddine

Graduate Researcher in Biomedical Engineering

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Education

American University of Beirut

Beirut, Lebanon

BS in Biology - Merit Scholarship, Dean's Honors List

2017 – 2020

American University of Beirut

Beirut, Lebanon

MSc in Biomedical Engineering - GPA 4.0

CURRENT

Research Fellow; Instructor in FEAA200 and EECE500; Guest lecturer (MRI Hardware, Safety, and Health Risks) and TA (Biomedical Engineering Lab) with Dr. Amatoury (Medical Imaging, AUB)

Thesis: Co-culture of Early and Late Passage Chondrocytes on Collagen-Alginate Sulfate: A Cartilage Tissue Engineering Approach to Optimize Autologous Chondrocyte Transplantation

Experience

American University of Beirut

Beirut, Lebanon

Graduate Research Fellow with Dr. Mhanna (Tissue Engineering, AUB)

2022 – PRESENT

- Adapted novel 2D cell culture techniques on alginate sulfate to cartilage tissue engineering.
- Initiated collaborations between the Faculty of Medicine and Faculty of Engineering in coordinated projects with Dr. Abou Fayad (Microbiology, AUB) and Dr. Damiati (Biology, University of Jeddah).
- Mentored 3 graduate and 2 undergraduate students in cell culture techniques and molecular analyses.

EMW Advisory

Beirut, Lebanon

Contributing Writer and Content Creator

2022 – PRESENT

- Provided market research, analysis, and industry insight for the MENA tech ecosystem.
- Produced articles for online publishing on LucidityInsights.com.
- Ghostwrote pieces in special reports, partnerships, and sponsorships.

American University of Beirut

Beirut, Lebanon

MEPI-TLG Biomedical Sciences Tutor

2023 – PRESENT

- Facilitated group study sessions and one-on-one tutoring to MEPI-TLG undergraduate students, improving students' performance, exam scores, and practical lab skills.
- Developed customized lesson plans in biology, psychology, and statistics, catering to the academic objectives of international scholarship recipients.
- Assisted students in developing critical thinking and problem-solving skills to ensure academic excellence and retention of scholarship status.

Technical Skills

Software: ANSYS, SPSS, PYTHON, MATLAB, XPPAUT, LabView, MS Office

Cell Culture: Mammalian and Cell Line Cell Culture, Immunohistochemistry, RT-PCR, MTT

Microbiology: Bacterial Culture, Broth Microdilution, Antibiotic Analyses