Osama Mohammad Alkhasoneh
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PROFILE

I am an initiative-taking and experienced researcher with a strong interest in using modern technology to address important water crises. My academic background, which includes an MSc. in Nanotechnology and a BSc. in Biology, as well as significant skills in a variety of experimental methodologies, has provided me with a solid foundation in the field. I have the capacity to efficiently organize, conduct, and analyze experiments, which leads to the creation of innovative water treatment and desalination technologies.

EDUCATION

M.S. Nanotechnology Science and Engineering, "Excellent"
Jordan University of Science and Technology, Jordan.

Thesis: "Cellulose acetate / graphene-oxide, silver nanoparticles nanocomposite membrane for high saline water desalination"

B.S. Biological Sciences, "Very Good"
The University of Jordan, Jordan, Feb.2022

PROFESSIONAL EXPERIENCE (Academia)

Jordan University of Science and Technology

"Synthesis and Characterization of Silver Nanorods Using Seed-Mediated Growth Method". October.2022 – January.2023

"Preparation and Characterization of Cellulose Acetate, Polyethersulfone, and Polyamide Thin Film Composite membranes". November.2022 – January.2023

"The Effect of the Seed Layer Thickness on the Growth of ZnO Nanorods". November.2022 – January.2023

The University of Jordan

"The Effect of Irrigation with Dead Sea Water on Plant Growth". October.2021 – January.2022

ACADEMIC HONORS

- Emirates Science and Mathematics Achievement Test (ESMAT) Competition, 2015.
- WRO UAE National Robotics Challenge, 2014.
- Enviro Spellathon, 2012.
- Bronze Certificate Award in MATHLETICS, 2011.

Certificates

- Climate Change in Water Sanitation Utilities, Inter-American Development Bank (IDB) – May.2024
- Risk Management, Inter-American Development Bank (IDB) – June.2024