SHATHAR ALOBEIDAT

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Highly motivated researcher with a strong background in biosensors utilizing nanotechnology. Passionate about creating innovative and highly sensitive chemo and biosensors.

EDUCATION

11 2023 – Present

PHD. NANOTECHNOLOGY, UNIVERSITY OF TRIESTE

09 2021 – 10 2023

MSC. NANOTECHNOLOGY AND ENGINEERING, JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

GPA: 4 (Distinguished)

Coursework and practical experimentation in Nanomaterials Structures, and Chemistry of Nanomaterials, Nanomedicine, Semiconductor Devices

Thesis entitled: "Detection of Prostate-Specific Antigen by Using a Biosensor Based on a Screen-Printed Electrode Modified with Silver Nanoparticles or Graphene oxide."

09 2015 – 07 2020

BSC. PHARMACY, JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

GPA: 3.1

Coursework in Pharmaceutical & Medical Sciences

Procured extensive and detailed knowledge of pharmaceutical instrumentation and devices.

SKILLS

- Raman, IR, and UV-Vis Spectroscopies
- Electrochemical Impedance Spectroscopy, Cyclic Voltammetry, Differential Pulse Voltammetry
- Zeta potential and characterization of nanoparticles using DLS, AFM, and SEM
- Cell culture and in vitro assay procedures
- Polymeric and Metallic nanoparticles synthesis using different procedures.
- Data analysis using RStudio
- COMSOL Multiphysics
- Research Methodologies, Technical Writing, Design of Experiments
- Attention to Detail
- Analytical Skills
- Exceptional Interpersonal Communication & Team Worker
- Highly Adaptable
- Microsoft Office Proficiency

LANGUAGES

- Arabic (Mother Tongue)
- English (Fluent)
- Turkish (Conversational)

Publications

- Nanoliposomes as Drug Delivery Systems for Antifungal Therapy
  https://doi.org/10.33218/001c.56154

- First Analog Mission of the Jordan Space Research Initiative: One Small Step for Emerging Space Countries, One Giant Leap for Jordan
  Conference Paper: IAC-23,E5,IP,6,x75670

REFERENCES

Available Upon Request