

# Dalia Sayma

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**Location:** Nablus, Palestine

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## EDUCATION

### MSc in Materials Science and Nanotechnology

Bilkent University, Turkey | 2021-2024 | GPA: 3.9/4

### BE in Materials Science and Engineering

Al Najah National University, Palestine | 2014-2019 | GPA: 3.11/4 | GRE (quan): 161/170, 2021

### BA in English Language

Al Quds Open University, Palestine | 2015-2018 | GPA: 86/100

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## WORK EXPERIENCE

### English Teacher

Al Rawda College and School, Palestine | Aug 2024 - Jan 2025

- Designed and delivered ESL lessons using innovative technology and interactive methods to enhance engagement, language acquisition, and student participation.

### Graduate Researcher (Two-Fully Funded Scholarships from Bilkent University and The Government of Turkey)

Bilkent University, Turkey | Oct 2021 - Feb 2024

- Conducted advanced research in the synthesis and nano-manufacturing of monometallic, bimetallic, and trimetallic nanoparticles using custom protocols and cleanroom-based fabrication techniques.
- Operated and analyzed data from a range of characterization tools (DLS, SEM, Raman, XRD, ICP-MS) and fabrication equipment (EBL, thermal/e-beam evaporators, spin coater, dicing saw).
- Managed complete experimental workflows—from wet chemistry procedures and wafer preparation to data analysis using Excel, PSPP, and ImageJ—driving data-informed decisions within the research group.
- Served as a Teaching Assistant for a nanomaterials energy storage course, supporting labs, lectures, and student mentorship.

### Math Teacher

Gokkuşagi International School | Aug 2022 - Feb 2023

- Designed and delivered interactive middle school mathematics lessons using Kahoot and Google Classroom to enhance student engagement and learning outcomes.

### English Teacher

Pioneers Baccalaureate School | Jan 2021 - Oct 2021

- Developed engaging ESL programs integrating digital tools such as Duolingo and digital storytelling.

### **Physics & Math Teacher**

Modern English School | Aug 2019 - June 2020

- Taught IGCSE Physics and Math using experimental, problem-based, and technology-enhanced teaching methods.

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## **INTERNSHIPS**

### **Construction Materials Testing Intern**

Hijjawi Construction Labs, Palestine | June - July 2018

- Conducted comparative analyses between ISO standards and real-world material samples and generated technical reports for clients detailing test results, compliance issues, and recommendations for material adjustments.

### **Water Analysis Intern**

An Najah National University, Palestine | July - Aug 2018

- Conducted chemical composition tests, identifying elements exceeding permissible levels and recommending adjustments, and managed sample documentation, test procedures, and final report writing for client companies.

### **Community Development Intern**

Human Development Center, Palestine | June - Aug 2017

- Assisted in planning and executing a large-scale art installation in the Old City of Nablus while managing event coordination for a Human Resources Center showcase featuring music, arts, embroidery, and local handmade products.
- Oversaw logistics, budgeting, venue organization, and participant communication, ensuring a seamless experience for attendees.

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## **VOLUNTARY EXPERIENCE**

- Managed logistics, budgeting, and vendor coordination for international delegations at Zajel - An Najah National University.
- Led a semester-long leadership and management course for 7th-grade students at Injaz Organization, fostering problem-solving and critical thinking skills.
- Organized large-scale educational events and led Math, Science, and English sessions for children aged 7-15 at Child Cultural Council.

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## **CORE STRENGTHS**

Research | Data-Driven Decision Making | Data Analysis | STEM | Project Coordination and Optimization | Cross-Disciplinary Collaboration | Project Management | Problem-Solving & Analytical Thinking | Communication Skills

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## **TECHNICAL & LANGUAGE SKILLS**

- **Data Analysis:** SPSS, PSPP, ImageJ, Excel, Origin, data analytics certificate(brainnest, Germany)
- **Software:** Microsoft Office, Slack, Zoom, Microsoft Teams
- **Programming:** Python basics (eDX), C++ basics (undergraduate course), HTML, CSS

**Languages:**

**Arabic** (Native) | **English** (Fluent): Toefl iBT(105/120 | **Turkish** (B1)