

# Miray Tamer

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## EDUCATION

**B.Sc., Chemistry, Bilkent University, Faculty of Science**  
CGPA: 3.04

Ankara, Turkey  
2019-Present

**Doğa High School**  
Graduation grade: 98.97/100

Isparta, Turkey  
2016-2019

**Süleyman Demirel Science High School**

Isparta, Turkey  
2015-2016

## EXPERIENCE

### RESEARCH EXPERIENCE

**Özensoy Research Group**  
*Undergraduate Research Assistant at Özensoy Research Group*

Ankara, Turkey  
2023-Present

**Senior Project:** Understanding Photocatalytic Methanol Oxidation to Formaldehyde Using Shape-Defined Nanocrystal Catalysts

- **Synthesis:** Shape-defined Cu<sub>2</sub>O nano / microcrystal catalysts
- **Characterization:** ATR-FTIR, XPS, SEM, EDX
- Quantification by UV-Vis Spectroscopy
- Photocatalytic activity measurements

**TEACHING ASSISTANTSHIP EXPERIENCE**  
**Bilkent University, Faculty of Science**  
*Lab Tutor*

Ankara, Turkey  
2022-23 Spring

- General Physics Lab I (2022-23 Spring)

**INDUSTRY EXPERIENCE**  
**Zenova Carpet**

*Intern*

Isparta, Turkey  
Aug-Sep 2022

- Took part in the dyeing laboratory of the factory.
- Utilized various standard chemicals within the textile industry to address the color variations between the nylon and wool components of the ropes.
- Altered the pH levels in accordance with the preferred color specifications.

## EXTRACURRICULAR ACTIVITIES

### Member of Bilkent Chemistry Club

Ankara, Turkey  
2022-Present

- Engaged in motivating meetings with industry specialists to improve the club's services.

### Member of Bilkent TDP, Raising Tomorrows Project

Ankara, Turkey  
2022-Present

- Visited children living in Pursaklar Sevgi Evleri and Saray Sevgi Evleri every week.
- Did activities contributing to the personal development of children.

## SKILLS AND ABILITIES

- **Programming languages:** Python (Basic)
- **Markup languages:** HTML (Basic)
- **Style Sheet Language:** CSS
- **Data analysis and graphics software:** OriginLab
- **Tools:** Orca, Gabedit, Multiwfn, Avogadro
- **Languages:** English (professional proficiency), German (Intermediate), Dutch (Basic), Turkish (native).

## OTHER INFORMATION

### Achievements & Certificates

- Bilkent University High Honor Certificate, Fall 2023-24 (GPA: 3.72)
- Bilkent University Honor Certificate, Spring 2022-23 (GPA: 3.00)
- Bilkent University Honor Certificate, Fall 2022-23 (GPA: 3.27)
- Interview Adventure with Talent Hunters Program (Sanofi, Abdi İbrahim and Tübitak), Fall 2022-23
- Bilkent University Honor Certificate, Spring 2020-21 (GPA: 3.09)
- Participation Certificate: VI. International Young Talents Classical Music Festival, 2017