

BERFIN GÜLERYÜZ

Ankara, Turkey ◇ berfin.guleryuz@ug.bilkent.edu.tr ◇ www.linkedin.com/in/Berfin-Guleryuz

EDUCATION

Bilkent University

B.Sc in Chemistry

September 2019 - Present

Ankara, Turkey

EXPERIENCE

Özensoy Research Group

Undergraduate Research Assistant

August 2023 - Present

Ankara, Turkey

- Senior project: Selective Synthesis of Shape-Defined Cu₂O Microcrystals for Aerobic Homocoupling of Arylboronic Acids.
- Synthesis of Cuprous oxide microcrystal catalysts
- Characterization of Cu₂O with ATR-IR, SEM, XPS and, EDX

Bargello Perfume

Research and Development Intern

Jul-Aug 2023

Bursa, Turkey

- Developed formulations for shampoos, shower gels, and perfumes.
- Conducted research on ingredients and fragrance combinations to optimize product performance and customer satisfaction.

MTA-General Directorate of Mineral Research and Exploration

Intern

Aug-Sept 2022

Ankara, Turkey

- Investigated the composition of a sample using Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) and determined precious metals in it.
- Analyzed the composition and quality of a coal sample using thermogravimetric analysis.
- Operated sulfur analysis to detect the sulfur percentage in the coal sample.
- XRF spectroscopy technique is used to determine the elemental composition of a soil sample.

EXTRACURRICULAR ACTIVITIES

TDP - Raising Tomorrow Project

Feb 2022- Jan 2023

- Visited Ankara Sevgi Evleri Çocuk Yuvası, spent time with the children, and did activities with them.

Bilkent University Chemistry Club

Member of Supervisory Board

Sept 2022- June 2023

- Undertook the task of supervising the club's operation and the events organized.

Bilkent University Chemistry Club

Active member

2020-2022

- Participated in inspirational meetings with experts in the field to enhance the club's offerings.

SKILLS AND ABILITIES

Programming Languages

Data analysis and graphics software

Tools

Languages

Python (Basic)

OriginLab

Orca, Gabedit, Multiwfn, Avogadro

Turkish(Native), English(Professional proficiency), German(Basic)

OTHER INFORMATIONS

Achievements And Certificates

- Bilkent University Honor certificate - 2020-2021 Spring
- Bilkent University Honor certificate - 2022-2023 Fall
- Bilkent University High Honor certificate - 2023-2024 Fall
- Interview Adventure With Talent Hunters (TÜBİTAK, Sanofi, Solar Patlayıcı)

Personal Traits

- Team player; responsible, open to new thoughts and ideas, ambitious; rational and analytical thinker; effective and efficient member at the laboratory.