

Beyza Ortaç

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Biology Graduate | Laboratory & Experimental Biology

PROFILE

Recent Biology graduate with practical laboratory experience in molecular biology, microbiology and experimental biology. Through academic projects and my undergraduate thesis, I gained hands-on experience in biological assays, data analysis (SPSS), sample handling and scientific reporting. I am eager to develop myself in laboratory operations, product development and multidisciplinary industry environments. I am motivated to learn, adaptable and able to work effectively both independently and within a team.

EDUCATION

Eskişehir Technical University
Faculty of Science- Department of Biology
Bachelor's Degree (2022-2026)
GPA : 2,82

SKILLS

Laboratory Techniques

- PCR
- ELISA
- DNA Isolation and Gel Elektrophoresis
- Agarose Gel Elektrophoresis
- Light Microscopy
- Basic Laboratory Equipment Usage

Data & Analysis

- SPSS
- Microsoft Office
- Basic Python

SOFT SKILLS

- Communication
- Leadership
- Time Management
- Presentation
- Problem Solving
- Self-Learning

PROJECTS & LABORATORY EXPERIENCE

Zoology Laboratory (ESTU - 2025)

Undergraduate Thesis Research

Project:

Toxicological and Immunological Effects of Zinc Oxide Nanoparticles on Zophobas atratus

Responsibilities:

- Phenoloxidase activity assay
- Total hemocyte count
- Total protein quantification
- Experimental design and data collection
- Statistical analysis using SPSS
- Scientific reporting

Microbiology Laboratory (ESTU - 2023)

- Preparation and Purification of Microbial
- Gram Staining and Microscopic Examination
- Antibiotic Susceptibility Testing (Disk Diffusion Method)
- ELISA Applications
- Obtaining Pure Bacterial Cultures via Streak Plate Method

Molecular Biology Laboratory (ESTU - 2023)

GFP Protein Cloning

- PCR for GFP Gene Amplification
- DNA Analysis via Agarose Gel Elektrophoresis
- Ligation and Recombinant Plasmid Construction
- Bacterial Transformation
- Plasmid Isolation and Verification

LANGUAGES

Turkish (Native)
English (A2)

ACTIVITIES

- Poster Presentation – Undergraduate Thesis Symposium (2026)
- Scientific Presentation Experience

CERTIFICATIONS

- Certificate for Animal Experimentation (ESOGU,2025)