

Research interests

Soil ecology, Pedology, Microbial Ecology, Climate change, Soil Food Web

Language

Turkish (Native)

Azerbaijani (Fluent)

English (B2)

Education

BSc in Biology

•Faculty of Science, Department of Biology
CGPA: 3.95 (highest-ranked student in the faculty)

Hacettepe University, Ankara, Turkey
2021 / 9 – *expected in 2025 / 6*

Projects

[1] Soil organisms under global change, Effects of climate change and land-use on belowground communities.

German Centre for Integrative Biodiversity Research (iDiv) Halle – Jena – Leipzig
Experimental Interaction Ecology Laboratory (Eisenhauer Lab)
•Supervisors: Dr. Marie Sünemann, Prof. Dr. Nico Eisenhauer

“Responses of Microorganisms, Nematodes, Meso- and Macrofauna under different climate change scenarios and different land-use treatments” – This project will be done as my bachelor’s degree thesis.

[2] Different Wildfires Intensities Impacts on soil bacteria and fungi communities in Pinus brutia (Turkish pine) forests of Turkey.

Functional Ecology Laboratory – Hacettepe University
Evolutionary Genetics Laboratory – Ankara University
•Supervisors: Prof. Dr. Cagatay Tavsanoğlu, Prof. Dr. Emre Keskin, Assist Prof. Dr. Emine Ertekin

“Impacts of moderate and high wildfire intensities on soil bacteria and fungi communities being assessed by eDNA metabarcoding techniques”

Research experience

Functional Ecology Laboratory

<https://funecol.org/>
•Intern, Advisor: Prof. Dr. Cagatay Tavsanoğlu

Hacettepe University, Turkey
2022 / 7 – ongoing

•Intern, Advisor: Prof. Dr. Cagatay Tavsanoglu, Gokhan Ergan

Project – “The History of post-fire restoration applications impact on plant communities of Turkish Pine (*Pinus brutia*) forests in Mugla, Marmaris, Turkey”

Erasmus+ Traineeship Programme Internship

2024 / 7 / 8 – 2024 / 9 / 27

German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
Experimental Interaction Ecology Group (Eisenhauer lab.)

•Advisor: Dr. Marie Sünemann, Prof. Dr. Nico Eisenhauer

Fieldworks

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|--|-------------------------------|
| •Mushroom Diversity Assessment, Abant National Park, Bolu, Turkey | 2022 / 1 / 17 – 2022 / 1 / 19 |
| •Soil Sample Collection for Abiotic Property Analysis, Anatolian Steppes, Sivrihisar, Eskisehir, Turkey | 2022 / 9 / 05 – 2022 / 9 / 08 |
| •Vegetation diversity Assessment in Artificial Terraced and Planted Regions, After Wildfires in Mediterranean Ecosystems of Turkey [1] | 2023 / 4 / 18 – 2023 / 4 / 23 |
| •Post-fire Plant Diversity Assessment, Phrygana Vegetation areas, burnt In 2009, 2010, 2016 and 2020, Mediterranean Ecosystems of Turkey | 2023 / 4 / 29 – 2023 / 5 / 13 |
| •Vegetation diversity Assessment in Artificial Terraced and Planted Regions, After Wildfires in Mediterranean Ecosystems of Turkey [2] | 2023 / 6 / 18 – 2023 / 5 / 13 |
| •Collection of Anatolian Steppe Plant Roots for Functional Character Assessment [1] | 2023 / 8 / 24 |
| •Collection of Anatolian Steppe Plant Roots for Functional Character Assessment [2] | 2023 / 9 / 7 |
| •Assessment of Recruitment Interactions of Woody Plant Species Saplings in Trojan Fir Forests of Kazdağları, Northwest Türkiye | 2023 / 9 / 11 – 2023 / 9 / 25 |
| •Soil Sample Collection for Analysis of Wildfire Intensity Impact on Bacterial and Fungal Communities | 2023 / 9 / 26 – 2023 / 9 / 29 |
| •Collection of Anatolian Steppe Plant Roots for Functional Character Assessment [3] | 2024 / 6 / 12 |
| •Collection of Anatolian Steppe Plant Roots for Functional Character Assessment [4] | 2024 / 6 / 20 – 2024 / 6 / 23 |

Skills

Analyze programs: R, SPSS

Computer skills: Microsoft Office programs, Adobe programs

Memberships

- Co-Founder of the Ankara University Biological Sciences Society, 2021 - 2022
- Hacettepe University Climate Crisis Society, 2022 - PRESENT
- Hacettepe University Bioinformatic Society, 2022 - PRESENT
- Hacettepe University Ecology Society, 2022 - PRESENT

Academic courses, workshops, and certificates

- 3rd introduction to R programming in Natural Sciences Workshop (ECOLOGY AND EVOLUTIONARY BIOLOGY SOCIETY)
- R Programming A-Z™: R For Data Science With Real Exercises! (UDEMY)

No: UC-d8cbdf48-79fa-41a8-94e0-81173-b35a201

Scientific meetings

- 2024 Effects of global climate change on Salt Lake plants, and habitat diversity Conference, 5 March, Ankara, Turkey
- 2024 Biodiversity of Anatolia, from Steppes to Mountains Conference, 14 February, Ankara, Turkey
- 2023 VIV. Ecology and Evolutionary Biology Symposium, Istanbul, Turkey
- 2022 VIII. Ecology and Evolutionary Biology Symposium, Ankara, Turkey
- 2022 III. Multidisciplinary neuroscience conference, Ankara, Turkey
- 2022 Levontin's Legacy, Science, Philosophy and Policy Conference, Ankara, Turkey
- 2021 5th Biogeography Conference, Ankara, Turkey
- 2021 16th Aykut Kence Evolution Conference, Ankara, Turkey

Hobbies and Interests

Playing violin, Camping