Dilsad Dagtekin

Quantitative Ecologist | **Curriculum Vitae**

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Eawag
Swiss Federal Institute of Aquatic Science and Technology
Dept. Systems Analysis, Integrated Assessment and Modelling
Überlandstrasse 133

Research Interests

Quantitative ecology; population ecology; spatial ecology; conservation biology; wildlife ecology

Employment history

Jan 2024 - present   **Postdoctoral Researcher**
Department Systems Analysis, Integrated Assessment and Modelling
Eawag - Swiss Federal Institute of Aquatic Science and Technology
Supervisor: Helen Moor

2018 - 2024   **Graduate Research Assistant**
Department of Evolutionary Biology and Environmental Studies, University of Zurich
Supervisor: Arpat Ozgul

Jun - Jul 2017   **Research Internship**
Ecological Forecasting Research Group, Boston University
Supervisors: Michael Dietze and Istem Fer

Teaching activities

2018 - 2024   **Teaching Assistant**

Department of Evolutionary Biology and Environmental Studies, University of Zurich
Grad courses: Population Ecology
Undergrad courses: Data Analysis in Biology; Ecology and Biodiversity

Education

2018 - 2024   **PhD in Ecology, University of Zurich, Zurich, Switzerland**

PhD Thesis: "Seasonality effects on wildlife populations across different data resolutions"
Supervisor: Arpat Ozgul

2017 - 2018   **MSc in Earth System Sciences, Istanbul Technical University, Istanbul, Turkey**

MSc Thesis: "Modeling Spatial Distribution of Oriental Beech (*Fagus orientalis*): Past, Present and Future"
Supervisors: H. Nuzhet Dalfes and Nesibe Kose

2011 - 2017   **BSc in Molecular Biology and Genetics, Istanbul Technical University, Istanbul, Turkey**

BSc Thesis: "Modeling Quaternary Vegetation Around Lake Iznik: Preliminary Results for Present, Mid-Holocene and Last Glacial Maximum"
Supervisor: H. Nuzhet Dalfes
Erasmus exchange during BSc (Sep. 2015 - July 2015) at Heidelberg Ruprecht-Karls University, Germany

Fieldwork experience

Sep - Oct 2019   **Mouse lemur research**
German Primate Institute Kirindy Research Station, Kirindy Forest, Madagascar

May 2019   **Large mammal camera-trapping research**
Kastamonu University, Turkey

Jun - Jul 2017   **Ecological forecasting research**
Boston University Research Stations, northeastern USA

Skills

Language: Turkish (native), English (fluent), German (intermediate)
Programming: R, BUGS, Python
Operating Systems: Windows, MacOS

Prizes, awards, and fellowships

2018 - 2021   **€ 70'800**   PhD Scholarship from ESKAS - Swiss Government Excellence Scholarship

Jun 2019   **€ 1'950**   Travel Grant from University of Zurich, Graduate Campus (GRC) to attend "Camera Trapping Study Design and Data Analysis for Occupancy and Density Estimation" workshop at Smithsonian Conservation Biology Institute.

2014 - 2015   **€ 3'000**   Erasmus Student Scholarship from Turkish National Agency Erasmus Program

2011 - 2012   **€ 7'000**   Exchange Student Scholarship from AFS Intercultural Exchange Programs

Active membership in scientific societies

British Ecological Society (BES); Ecological Society of America (ESA);
Turkish Society of Ecology and Evolutionary Biology (EkoEvo)

Organization of conferences

2020 - 2021   Zurich Interaction Seminars (ZIS), Zurich, Switzerland
Jul 2017   Ecology and Evolutionary Biology Symposium Turkey, Istanbul, Turkey

Scientific Outreach

- Organizing scientific webinar series for the Turkish Society of Ecology and Evolutionary Biology
- Camera-trapping research was featured in an exhibition of University of Zurich Graduate Campus "Triggered by Motion" - February 2022 - Link
- Invited guest to Daily Tech News Show podcast for "Scientists in Tech" to talk about camera-trapping and Bayesian analysis - Link

List of publications

Dagtekin D., Behr D. M., Fichtel C., Kappeler P. M., Ozgul A. (2024) Seasonal survival of a short-lived primate under changing climate and population density. *under review - Journal of Animal Ecology*

Dagtekin D., Ertürk A., Sommer S., Ozgul A., Soyumert A. (2023). Seasonal habitat-use patterns of large mammals in a human-dominated landscape. *Journal of Mammalogy*, doi: 10.1093/jmammal/gyad107

Dagtekin, D., Şahan, E. A., Denk, T., Köse, N., & Dalfes, H. N. (2020). Past, present and future distributions of Oriental beech (*Fagus orientalis*) under climate change projections. *PLoS ONE,* doi: 10.1371/journal.pone.0242280

Presentations at conferences and seminars

"Seasonal survival of the gray mouse lemur under changing climate"
- Biology'24, Zurich, Switzerland, 2024 - Talk
- International Statistical Ecology Conference, Swansea, Wales, 2024 - Talk

- Ecology and Evolutionary Biology Symposium Turkey, Canakkale, Turkey, 2024 - Talk

"Seasonality effects on large-mammal co-occurrence patterns"
- Evolutionary Demography Society Annual Meeting, 2023 - Talk
- University of Zurich, IEU - Departmental Seminar Series, 2022 - Talk
- Biology'21, Basel, Switzerland, 2020 - Talk
- Ecology and Evolutionary Biology Symposium Turkey, Ankara, Turkey, 2021 - Virtual Talk
- British Ecological Society Annual Meeting, Festival of Ecology, Online, 2020 - Virtual Talk
- Zurich Interaction Seminar, 2020 - Virtual Talk

"Seasonal and anthropogenic effects on large mammal habitat use in northwestern Anatolian forests
- Biology'20, Fribourg, Switzerland, 2020 - Poster
- Ecology and Evolutionary Biology Symposium Turkey, Ankara, Turkey, 2019 - Talk

"Modeling in population ecology"
- Istanbul Technical University, Molecular Biology and Genetics Student Journal Club, 2021 - Virtual Talk

"Seasonality effects on wildlife populations across different data resolutions"
- Swiss Federal Institute for Forest, Snow and Landscape Research (WSL) - Biodiversity Seminar Series, 2022 - Talk

"Modeling Spatial Distribution of Oriental Beech (Fagus orientalis): Past, Present and Future"
- Ecology and Evolutionary Biology Symposium Turkey, Izmir, Turkey, 2018 - Poster

"CO_2 explains reduced tree cover of Eurasia in Last Glacial Maximum simulation"
- Ecological Society of America Annual Meeting, Portland, OR, USA, 2017 - Talk

References

Will be provided upon request.