

Asst. Prof. DİDEM AMBARLI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-8648-2022

ScopusID: 57212498766

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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Turkey 2005 - 2012

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Turkey 2002 - 2005

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1997 - 2002

Foreign Languages

Chinese, A1 Beginner

English, C1 Advanced

Dissertations

Doctorate, Factors Affecting Steppe Biodiversity in Central Part of the Anatolian Diagonaland Their Use in Conservation, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2012

Postgraduate, The Population Biology of a Narrow Endemic, *Centaurea tchihatcheffii* Fisch. Mey. (Compositae), Middle East Technical University, Graduate School of Natural and Applied Sciences, 2005

Research Areas

Plant Diversity, Plant Ecology, Ecology, Animal Diversity, Animal Ecology

Academic Titles / Tasks

Assistant Professor, Duzce University, Faculty Of Agriculture And Natural Sciences, Department Of Agricultural Biotechnology, 2014 - 2022

Lecturer PhD, Technische Universitaet München, TUM School of Life Sciences, Department for Life Science Systems, 2018 - 2021

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2002 - 2006

Courses

Major Concepts in Ecology, Postgraduate, 2023 - 2024

Ecology, Undergraduate, 2023 - 2024

Ecology and Evolutionary Biology, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heterogeneity is key to supporting forest-dweller butterflies**
AMBARLI D.
Animal Biodiversity and Conservation, vol.47, no.1, pp.39-48, 2024 (SCI-Expanded)
- II. **Insect decline in forests depends on species' traits and may be mitigated by management**
Staab M., Gossner M. M., Simons N. K., Achury R., Ambarli D., Bae S., Schall P., Weisser W. W., Blüthgen N.
Communications Biology, vol.6, no.1, 2023 (SCI-Expanded)
- III. **Regional variation in deadwood decay of 13 tree species: Effects of climate, soil and forest structure**
Edelmann P., Weisser W. W., Ambarli D., Bässler C., Buscot F., Hofrichter M., Hoppe B., Kellner H., Minnich C., Moll J., et al.
Forest Ecology and Management, vol.541, 2023 (SCI-Expanded)
- IV. **Reduction of invertebrate herbivory by land use is only partly explained by changes in plant and insect characteristics**
Neff F., Prati D., Achury R., AMBARLI D., Bolliger R., Braendle M., Freitag M., Hoelzel N., Kleinebecker T., Knecht A., et al.
ECOLOGICAL MONOGRAPHS, vol.93, no.2, 2023 (SCI-Expanded)
- V. **Drivers of community assembly change during succession in wood-decomposing beetle communities**
Seibold S., Weisser W. W., AMBARLI D., Gossner M. M., Mori A. S., Cadotte M. W., Hagge J., Baessler C., Thorn S.
JOURNAL OF ANIMAL ECOLOGY, vol.92, no.5, pp.965-978, 2023 (SCI-Expanded)
- VI. **Hierarchical trait filtering at different spatial scales determines beetle assemblages in deadwood**
Neff F., Hagge J., Achury R., Ambarli D., Ammer C., Schall P., Seibold S., Staab M., Weisser W. W., Gossner M. M.
FUNCTIONAL ECOLOGY, vol.36, no.12, pp.2929-2942, 2022 (SCI-Expanded)
- VII. **Forest management affects saproxylic beetles through tree species composition and canopy cover**
Edelmann P., Ambarli D., Gossner M. M., Schall P., Ammer C., Wende B., Schulze E., Weisser W. W., Seibold S.
FOREST ECOLOGY AND MANAGEMENT, vol.524, 2022 (SCI-Expanded)
- VIII. **Do non-native and dominant native species carry a similar risk of invasiveness? A case study for plants in Turkey**
Yazlik A., AMBARLI D.
NEOBIOLOGIA, vol.76, pp.53-72, 2022 (SCI-Expanded)
- IX. **Disentangling the importance of space and host tree for the beta-diversity of beetles, fungi, and bacteria: Lessons from a large dead-wood experiment**
Rieker D., Krah F., Gossner M. M., Uhl B., Ambarli D., Baber K., Buscot F., Hofrichter M., Hoppe B., Kahl T., et al.
BIOLOGICAL CONSERVATION, vol.268, 2022 (SCI-Expanded)
- X. **Present and historical landscape structure shapes current species richness in Central European grasslands**
Scherreiks P., Gossner M. M., Ayasse M., Blüthgen N., Fischer M., Klaus V. H., Kleinebecker T., Neff F., Prati D., Seibold S., et al.
LANDSCAPE ECOLOGY, vol.37, no.3, pp.745-762, 2022 (SCI-Expanded)
- XI. **Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests**
Neff F., Braendle M., Ambarli D., Ammer C., Bauhus J., Boch S., Hoelzel N., Klaus V. H., Kleinebecker T., Prati D., et al.
SCIENCE ADVANCES, vol.7, no.20, 2021 (SCI-Expanded)
- XII. **Animal-Mediated Ecosystem Process Rates in Forests and Grasslands are Affected by Climatic**

Conditions and Land-Use Intensity

AMBARLI D., Simons N. K., Wehner K., Kaemper W., Gossner M. M., Nauss T., Neff F., Seibold S., Weisser W., Bluethgen N.

ECOSYSTEMS, vol.24, no.2, pp.467-483, 2021 (SCI-Expanded)

XIII. **Insights from regional and short-term biodiversity monitoring datasets are valuable: a reply to Daskalova et al. 2021**

Seibold S., Hothorn T., Gossner M. M., Simons N. K., Bluethgen N., Muller J., AMBARLI D., Ammer C., Bauhus J., Fischer M., et al.

INSECT CONSERVATION AND DIVERSITY, vol.14, no.1, pp.144-148, 2021 (SCI-Expanded)

XIV. **Arthropod decline in grasslands and forests is associated with landscape-level drivers**

Seibold S., Gossner M. M., Simons N. K., Bluethgen N., Mueller J., Ambarli D., Ammer C., Bauhus J., Fischer M., Habel J. C., et al.

NATURE, vol.574, no.7780, pp.671-688, 2019 (SCI-Expanded)

XV. **Effects of landscape, land use and vegetation on bird community composition and diversity in Inner Anatolian steppes**

Ambarlı D., Bilgin C. C.

AGRICULTURE ECOSYSTEMS & ENVIRONMENT, vol.182, pp.37-46, 2014 (SCI-Expanded)

XVI. **Identification of Prime Butterfly Areas in Turkey using systematic conservation planning: Challenges and opportunities**

Zeydanli U. S., Turak A. S., Balkiz O., ÖZÜT D., ERTÜRK A., WELCH H., Karacetin E., Ambarli D., DURMUŞ M., BİLGİN C. C.

BIOLOGICAL CONSERVATION, vol.150, no.1, pp.86-93, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. **Grasslands of Navarre (Spain), focusing on the Festuco-Brometea: classification, hierarchical expert system and characterisation**

García-Mijangos I., Berastegi A., Biurrun I., Dembicz I., Janišová M., Kuzemko A., Vynokurov D., Ambarli D., Etayo J., Filibeck G., et al.

VEGETATION CLASSIFICATION AND SURVEY, vol.2, pp.0-231, 2021 (Peer-Reviewed Journal)

II. **The Eurasian Dry Grassland Group (EDGG) in 2018–2019**

Dengler J., Aleksanyan A., AMBARLI D., Biurrun I., Dembicz I., Kuzemko A., Török P., Venn S., Vrahnakis M. Hacquetia, vol.18, no.2, pp.147-154, 2019 (Scopus)

III. **Insect decline is most dramatic in grasslands in the vicinity of intensively farmed croplands**

Ambarli D., Seibold S., Weisser W. W.

Palaeartic Grasslands, vol.44, pp.54-55, 2019 (Peer-Reviewed Journal)

IV. **The Eurasian Dry Grassland Group (EDGG) in 2016–2017**

Venn S., AMBARLI D., Biurrun I., Dengler J., Kuzemko A., Török P., Vrahnakis M. Hacquetia, vol.17, no.1, pp.17-23, 2018 (Scopus)

V. **Anadolu Bozkırları**

AMBARLI D.

Kebikeç İnsan Bilimleri İçin Kaynak Araştırmaları Dergisi, vol.43, pp.199-210, 2017 (Peer-Reviewed Journal)

VI. **The Eurasian Dry Grassland Group EDGG in 2015 2016**

Venn S., AMBARLI D., Biuruun I., Dengler J., Janisova M., Kuzemko A., Török P., Vrahnakis M. Hacquetia, vol.15, no.2, pp.15-19, 2016 (Scopus)

VII. **Infrageneric Grouping of Turkish Acantholimon Boiss Plumbaginaceae Assessed by Numerical Taxonomy**

Doğan M., Akaydin G., Ambarli D.

Advances in Biological Research, vol.1, no.3-4, pp.85-91, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Grasslands and Shrublands of the Middle East and the Caucasus**
Ambarli D., Naqinezhad A., Aleksanyan A.
in: Encyclopedia of the World's Biomes, Goldstein, Michael DellaSala, Dominik, Editor, Elsevier, Alaska, pp.714-724, 2020
- II. **Grasslands of the Mediterranean Basin and the Middle East and their Management**
AMBARLI D., Vrahnakis M., Burrascano S., Naqinezhad A., Fernandez M. P.
in: Grasslands of the World: Diversity, Management and Conservation, Victor R. Squires, Jürgen Dengler, Haiying Feng, Limin Hua, Editor, CRC Press/Taylor Francis Group, Boca Raton, pp.89-112, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Disentangling the importance of space and host for beetle, fungi and bacteria diversity: Lessons from a large dead-wood experiment**
Rieker D., Krah F., Gossner M. M., Uhl B., Ambarli D., Baber K., Buscot F., Hofrichter M., Hoppe B., Kahl T., et al.
The 50th annual conference of the Ecological Society of Germany, Austria and Switzerland, Braunschweig, Germany, 30 August 2021, pp.71
- II. **Effects of climate and land-use intensity on multiple animal-mediated ecosystem processes**
AMBARLI D., Simons N. K., Wehner K., Kamper W., Gossner M. M., Nauss T., Neff F., Seibold S., Weisser W. W., Blüthgen N.
The 49th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, Münster, Germany, 9 - 13 September 2019, pp.1-672
- III. **Climatic and land-use drivers of multiple animal-mediated ecosystem processes in grasslands**
AMBARLI D., Simons N. K., Wehner K., Kamper W., Nauss T., Seibold S., Weisser W. W., Blüthgen N.
16th Eurasian Grassland Conference, Graz, Austria, 29 May - 05 June 2019, vol.92, pp.6
- IV. **Addressing Threats to Biodiversity of the Anatolian Steppes**
AMBARLI D., BALKIZ Ö.
XIII. Congress of Ecology and Environment With International Participation, Edirne, Turkey, 12 - 15 September 2017, pp.661
- V. **Conservation Status of Steppic Plants**
AMBARLI D., BALKIZ Ö., ASLAN S., VURAL M.
XIII. Congress of Ecology and Environment With International Participation, Edirne, Turkey, 12 - 15 September 2017, pp.664
- VI. **Habitat selection of a steppic bird at multiple scales**
AMBARLI D.
14th Eurasian Grassland Conference, Riga, Latvia, 4 - 11 July 2017, pp.18
- VII. **Spatial and temporal trends in threats to biodiversity of Anatolian steppes Turkey**
AMBARLI D.
Eurasian Grassland Conference, Sighișoara, Romania, 20 - 24 September 2016
- VIII. **Identifying the butterfly diversity in the east of Konya Turkey and modeling the suitable habitats of butterflies**
KARAÇETİN E., Balkız Ö., Turak A., Welch H., AMBARLI D., Ergin E.
Future 4 Butterflies In Europe, Wageningen, Suriname, 31 March - 02 April 2016, pp.102
- IX. **Environmental and land use drivers of patterns in steppe vegetation of the inner Anatolian landscapes**
AMBARLI D., BİLGİN C. C.
57th Annual Symposium of the International Association for Vegetation Science, Perth, Australia, 1 - 05 September 2014, pp.296
- X. **How to group new relevés Halophytic plant communities of Central Anatolia revisited**

AMBARLI D., Mecit V., ADIGÜZEL N.

European Vegetation Survey 2014 Meeting, 8 - 12 May 2014, pp.88

- XI. **Challenges of mapping and site election for the conservation of steppes in Turkey**
AMBARLI D., Yeşim K., Uğur Z.
International Conference on Conservation of steppe and semidesert ecosystems in Eurasia, Almaty, Kazakhstan, 12 - 15 March 2013, pp.47
- XII. **Factors affecting biodiversity of steppes A case study from the Anatolian Diagonal**
AMBARLI D., BİLGİN C. C., Mecit V.
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, pp.176-177
- XIII. **Effects of livestock grazing and environmental variables on the diversity of Anatolian steppes**
AMBARLI D., BİLGİN C. C.
The 9th European Dry Grassland Meeting: Dry Grasslands of Europe: Grazing and Ecosystem Services, Prespa, Greece, 19 - 23 May 2012, pp.14
- XIV. **Comparison of hotspots versus systematic conservation planning approaches for In Situ conservation of widespread versus restricted species examples from Anatolian Diagonal Hotspot**
AMBARLI D., Ayşe T., Uğur Z., Vural M.
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.90-91
- XV. **Population viability analysis for a highly threatened annual endemic plant Centaurea tchihatcheffii**
Ergüner Baytok Y., Yıldırım A., AMBARLI D., BİLGİN C. C., Mecit V.
94th ESA Annual Meeting, 2 - 07 August 2009
- XVI. **Production of sustainable land use plans by application of systematic conservation planning at the local level**
AMBARLI D.
Proceedings of the International Workshop of NGOs Perspectives on Mitigation Strategies and Monitoring Approaches of Land Degradation and Desertification, 15 - 17 November 2008, pp.75-80
- XVII. **Defining threats and conservation approaches based on the population biology of a threatened endemic knapweed in central Turkey**
ÇAKAROĞULLARI D., BİLGİN C. C., Mecit V.
First European Congress of Conservation Biology, Eger, Hungary, 22 - 26 August 2006
- XVIII. **Use of ecological information in conservation of Centaurea tchihatcheffii Fisch May**
ÇAKAROĞULLARI D., BİLGİN C. C., Mecit V.
18. Ulusal Biyoloji Kongresi, Aydın, Turkey, 26 - 30 June 2006

Expert Reports

- I. **The Eurasian Dry Grassland Group (EDGG) in 2019\2020**
Dengler J., Aleksanyan A., AMBARLI D., Biurrun I., Dembicz I., Kuzemko A., Török P., Venn S.
2021

Non Academic Experience

Non-profit Organisation, Nature Conservation Centre, Center
Dığa Koruma Merkezi