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International Researcher IDs

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Education Information

Doctorate, University of York, England 1995 - 1999

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 1990 - 1993

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1986 - 1990

Dissertations

Doctorate, Evolutionary Genetics of the House Mouse (*Mus musculus domesticus*) with Particular Emphasis on Chromosomal and Mitochondrial DNA Variation, University of York, 1999

Postgraduate, Türkiye erinaceus concolor (mammalia: Insectivora) türünün taksonomisi ve yayılışı, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 1993

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2011 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2005 - 2011

Assistant Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2004 - 2005

Assistant Professor, Balıkesir University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2000 - 2004

Research Assistant, Balıkesir University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 1999 - 2000

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 1991 - 1994

Courses

FİLOGENETİK SİSTEMATİK, Postgraduate, 2014 - 2015

POPULASYON GENETİĞİ, Postgraduate, 2014 - 2015

EVOLUSYON, Undergraduate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mitochondrial genetic variation in long-eared hedgehogs, *Hemiechinus auritus*, from the Anatolian Peninsula and Cyprus**
Özmen M., Demirtaş S., Herman J. S., Gündüz İ.
Mammalia, vol.88, no.1, pp.52-62, 2024 (SCI-Expanded)
- II. **The complete mitochondrial genome of *Talpa martinorum* (Mammalia: Talpidae), a mole species endemic to Thrace: genome content and phylogenetic considerations**
Demirtaş S., Budak M., Korkmaz E. M., Searle J. B., Bilton D. T., Gündüz İ.
GENETICA, vol.150, no.5, pp.317-325, 2022 (SCI-Expanded)
- III. **Discrimination of the sister hedgehog species *Erinaceus concolor* and *E. roumanicus* (Erinaceomorpha: Mammalia): a geometric morphometric approach**
Demirtaş S., Gündüz İ., Herman J. S.
TURKISH JOURNAL OF ZOOLOGY, vol.46, no.2, pp.228-235, 2022 (SCI-Expanded)
- IV. **Long-term reciprocal gene flow in wild and domestic geese reveals complex domestication history**
Heikkinen M. E., Ruokonen M., White T. A., Alexander M. M., Gündüz İ., Dobney K. M., Aspi J., Searle J. B., Pyhäjärvi T.
G3: Genes, Genomes, Genetics, vol.10, no.9, pp.3061-3070, 2020 (SCI-Expanded)
- V. **What should we call the Levant mole? Unravelling the systematics and demography of *Talpa levantis* Thomas, 1906 sensu lato (Mammalia: Talpidae)**
Demirtaş S., Silsupur M., Searle J. B., Bilton D., Gündüz İ.
MAMMALIAN BIOLOGY, vol.100, no.1, pp.1-18, 2020 (SCI-Expanded)
- VI. **The Anatolian glacial refugium and human-mediated colonization: a phylogeographical study of the stone marten (*Martes foina*) in Turkey**
Arslan Y., Demirtaş S., Herman J. S., Pustilnik J. D., Searle J. B., Gündüz İ.
BIOLOGICAL JOURNAL OF THE LINNEAN SOCIETY, vol.129, no.2, pp.470-491, 2020 (SCI-Expanded)
- VII. **R2d2 Drives Selfish Sweeps in the House Mouse**
Didion J. P., Morgan A. P., Yadgary L., Bell T. A., McMullan R. C., de Solorzano L. O., Britton-Davidian J., Bult C. J., Campbell K. J., Castiglia R., et al.
MOLECULAR BIOLOGY AND EVOLUTION, vol.33, no.6, pp.1381-1395, 2016 (SCI-Expanded)
- VIII. **Mountainous genus *Anterastes* (Orthoptera, Tettigoniidae): autochthonous survival across several glacial ages via vertical range shifts**
ÇIPLAK B., Kaya S., Boztepe Z., GÜNDÜZ İ.
ZOOLOGICA SCRIPTA, vol.44, no.5, pp.534-549, 2015 (SCI-Expanded)
- IX. **Genetic diversity of *Vicia faba* L. and *Pisum sativum* L. nodulating rhizobia in the central Black Sea region of Turkey**
GÜRKANLI C. T., Özkoç İ., GÜNDÜZ İ.
ANNALS OF MICROBIOLOGY, vol.64, no.1, pp.99-112, 2014 (SCI-Expanded)
- X. **Genetic diversity of rhizobia nodulating common bean (*Phaseolus vulgaris* L.) in the Central Black Sea Region of Turkey**
GÜRKANLI C. T., Özkoç İ., GÜNDÜZ İ.
ANNALS OF MICROBIOLOGY, vol.63, no.3, pp.971-987, 2013 (SCI-Expanded)
- XI. **Estimating effects of global warming from past range changes for cold demanding refugial taxa: A case study on South-west Anatolian species *Poecilimon birandi***
Kaya S., GÜNDÜZ İ., ÇIPLAK B.
Biologia (Poland), vol.67, no.6, pp.1152-1164, 2012 (SCI-Expanded)
- XII. **The expansion of the house mouse into north-western Europe**
Jones E. P., Johannesdottir F., GÜNDÜZ İ., Richards M. B., Searle J. B.
JOURNAL OF ZOOLOGY, vol.283, no.4, pp.257-268, 2011 (SCI-Expanded)
- XIII. **Molecular and Conventional Identification and Pathogenicity of *Rhizoctonia solani* Isolates from Tobacco (*Nicotiana tabacum* L.) in Samsun, Turkey**
Gurkanli C. T., Özkoç İ., GÜNDÜZ İ.
JOURNAL OF PHYTOPATHOLOGY, vol.157, no.11-12, pp.686-696, 2009 (SCI-Expanded)
- XIV. **Systematics of Scorpaeeniformes Species in the Mediterranean Sea Inferred from Mitochondrial 16S**

rDNA Sequence and Morphological Data

TURAN C., GÜNDÜZ İ., Gurlek M., Yaglioglu D., Erguden D.

FOLIA BIOLOGICA-KRAKOW, vol.57, no.3-4, pp.219-226, 2009 (SCI-Expanded)

- XV. **Of mice and (Viking?) men: phylogeography of British and Irish house mice**
Searle J. B., Jones C. S., GÜNDÜZ İ., Scascitelli M., Jones E. P., Herman J. S., Rambau R. V., Noble L. R., Berry R. J., Gimenez M. D., et al.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.276, no.1655, pp.201-207, 2009 (SCI-Expanded)
- XVI. **The diverse origins of New Zealand house mice**
Searle J. B., Jamieson P. M., GÜNDÜZ İ., Stevens M. I., Jones E. P., Gemmill C. E. C., King C. M.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.276, no.1655, pp.209-217, 2009 (SCI-Expanded)
- XVII. **Spermophilus torosensis Özkurt et al., 2007 (Sciuridae, Rodentia) is a subjective junior synonym of Spermophilus taurensis Gündüz et al., 2007, a newly described ground squirrel from the Taurus Mountains of southern Turkey**
Gündüz I., Jaarola M., TEZ C., Yeniyurt C., Polly P. D., Searle J. B.
Zootaxa, no.1663, pp.67-68, 2007 (SCI-Expanded)
- XVIII. **Multigenic and morphometric differentiation of ground squirrels (Spermophilus, Scuridae, Rodentia) in Turkey, with a description of a new species**
GÜNDÜZ İ., Jaarola M., TEZ C., Yeniyurt C., Polly P. D., Searle J. B.
MOLECULAR PHYLOGENETICS AND EVOLUTION, vol.43, no.3, pp.916-935, 2007 (SCI-Expanded)
- XIX. **Characterization and comparison of major urinary proteins from the house mouse, *Mus musculus domesticus*, and the aboriginal mouse, *Mus macedonicus***
Robertson D. H. L., Hurst J. L., Searle J. B., GÜNDÜZ İ., Beynon R. J.
JOURNAL OF CHEMICAL ECOLOGY, vol.33, no.3, pp.613-630, 2007 (SCI-Expanded)
- XX. **Analysis of sex-linked sequences supports a new mammal species in Europe**
Hellborg L., GÜNDÜZ İ., Jaarola M.
MOLECULAR ECOLOGY, vol.14, no.7, pp.2025-2031, 2005 (SCI-Expanded)
- XXI. **Mitochondrial DNA variation in the western house mouse (*Mus musculus domesticus*) close to its site of origin: studies in Turkey**
GÜNDÜZ İ., Rambau R., TEZ C., Searle J.
BIOLOGICAL JOURNAL OF THE LINNEAN SOCIETY, vol.84, no.3, pp.473-485, 2005 (SCI-Expanded)
- XXII. **Molecular phylogeny of the speciose vole genus *Microtus* (Arvicolinae, Rodentia) inferred from mitochondrial DNA sequences**
Jaarola M., Martinkova N., GÜNDÜZ İ., Brunhoff C., Zima J., Nadachowski A., Amori G., Bulatova N., Chondropoulos B., Fragedakis-Tsolis S., et al.
MOLECULAR PHYLOGENETICS AND EVOLUTION, vol.33, no.3, pp.647-663, 2004 (SCI-Expanded)
- XXIII. **New data on the distribution of 2N = 38 *Spalax leucodon* (Nordmann, 1840) Cytotype in Turkey**
TEZ C., Gündüz I., Kefelioglu H.
Israel Journal of Zoology, vol.48, no.2, pp.155-159, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Phylogeography of *anterastes serbicus* species group (Orthoptera, Tettigoniidae): Phylogroups correlate with mountain belts, but not with the morphospecies**
Çiplak B., Kaya S., GÜNDÜZ İ.
Journal of Orthoptera Research, vol.19, no.1, pp.89-100, 2010 (Scopus)
- II. **The karyotype of the goitred gazelle, *gazella subgutturosa*, from turkey**
TEZ C., ÖZKUL Y., Yıldız H., Dursun M., Gündüz İ.
Zoology in the Middle East, vol.36, no.1, pp.105-107, 2005 (Scopus)

- III. **The taxonomy and distribution of *Apodemus agrarius* (Pallas, 1771) (Mammalia: Rodentia) in the European part of Turkey** Trakya'daki *Apodemus agrarius* (Pallas, 1771) (Mammalia: Rodentia)' un Taksonomisi ve Yayılışı
Kefelioğlu H., TEZ C., GÜNDÜZ İ.
Turkish Journal of Zoology, vol.27, no.2, pp.141-146, 2003 (Scopus)
- IV. **The Taxonomy and Distribution of *Apodemus agrarius* Pallas 1771 Mammalia Rodentia in the European Part of Turkey**
KEFELİOĞLU H., TEZ C., GÜNDÜZ İ.
TURKISH JOURNAL OF ZOOLOGY, vol.27, pp.141-146, 2003 (Peer-Reviewed Journal)
- V. **Karyological study of *Spalax leucodon* Nordmann 1840 in central Anatolia Turkey**
KEFELİOĞLU H., TEZ C., GÜNDÜZ İ.
PAKISTAN JOURNAL OF BIOLOGICAL SCIENCES, no.4, pp.869-871, 2001 (Peer-Reviewed Journal)
- VI. **Contribution to distribution reproduction biology and ecology of *Vormela peregusna* Gldenstadt 1770 Mammalia Carnivora in Turkey**
TEZ C., GÜNDÜZ İ., KEFELİOĞLU H.
PAKISTAN JOURNAL OF BIOLOGICAL SCIENCES, no.4, pp.74-76, 2001 (Peer-Reviewed Journal)
- VII. **Anadolu *Mesocricetus* Mammalia Rodentia Trlerinin Karyolojik Analizi**
Doğramacı S., KEFELİOĞLU H., GÜNDÜZ İ.
TURKISH JOURNAL OF ZOOLOGY, no.18, pp.41-45, 1994 (Peer-Reviewed Journal)
- VIII. **Trkiye *Spermophilus* Mammalia Rodentia Cinsinin Karyolojik Analizi**
Doğramacı S., KEFELİOĞLU H., GÜNDÜZ İ.
TURKISH JOURNAL OF ZOOLOGY, no.18, pp.167-170, 1994 (Peer-Reviewed Journal)
- IX. **Trkiye *Erinaceus concolor* Mammalia Insectivora Trnn Taksonomisi ve Yayılışı**
Doğramacı S., GÜNDÜZ İ.
TURKISH JOURNAL OF ZOOLOGY, no.17, pp.267-288, 1993 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Molecular phylogeny of *Hemiechinus auritus* (Gmelin, 1770) in Turkey and neighboring areas**
zmen M., Demirtaş S., Gndz İ.
4th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 24 November 2021
- II. **A phylogeographic study of the red fox (*Vulpes vulpes*) in Turkey, based on mitochondrial DNA analysis**
Hassan A. A., DEMİRTAŞ S., GNDZ İ.
The 8th International Scientific Research Congress (UBAK), Şanlıurfa, Turkey, 1 - 03 November 2019
- III. **Hibrit Blge Koruma ve Filocoğrafya bağlamında Trkiye deki iki kirpi trnn *Erinaceus roumanicus* ve *Erinaceus concolor* evrimsel genetiđi Batı Dođu ile karşılaşıyor**
Demirtaş S., Dener D. T., Silspr M., zgen A., Jaarola M., Gndz İ.
23. Ulusal Biyoloji Kongresi (GAZİANTEP), Gaziantep, Turkey, 5 - 09 September 2016
- IV. **Comparing different environmental variables of Western Palearctic hedgehogs *Erinaceus* spp in predictive models**
Demirtaş S., Tiryaki D., Gndz İ.
The 7th. International Zoological Congress of "Grigore Antipa" Museum, Bucuresti, Romania, 18 - 21 November 2015
- V. ***Spermophilus xanthoprimum* populasyonlarının ekolojik niş modelleme yntemiyle deđerlendirilmesi**
Demirtaş S., Tiryaki D., Can Y., Gndz İ.
12. Ulusal Ekoloji ve Çevre Kongresi, Muğla, Turkey, 14 - 17 September 2015
- VI. **Hibrit Blge Koruma ve Filocoğrafya bağlamında Trkiye deki iki kirpi trnn *Erinaceus roumanicus* ve *E. concolor* evrimsel genetiđi Batı Dođu ile karşılaşıyor**

DEMİRTEŞ S., TIRYAKİ D. D., SİLSÜPÜR M., JAAROLA M., ÖZGEN A., GÜNDÜZ İ.

23. Ulusal Biyoloji Kongresi, Gaziantep, Turkey, 5 - 09 September 2016, pp.232

VII. The cranial variation within genus *Erinaceus* in Turkey

DEMİRTEŞ S., GÜNDÜZ İ.

6th. International Zoological Congress of "Grigore Antipa" Museum, Romania, 19 - 21 November 2014

VIII. Multilocus study of Turkey ground squirrels

Tiryaki D., DEMİRTEŞ S., TEZ C., GÜR H., Maritt J., Stepanka R., GÜNDÜZ İ., Josef B.

14. International Conference on Rodent Biology, Portugal, 28 July - 02 August 2014

IX. A molecular phylogeny of the damselfly genus *Calopteryx* Insecta Odonata of Turkey using mitochondrial 16S rDNA and Ribosomal ITS sequences

Miroğlu A., Demirtaş S., Cansel Y., Gündüz İ.

The 7th. International Symposium on Molecular Insect Science, Amsterdam, Netherlands, 13 - 16 July 2014

X. Türkiye'deki *Calopteryx splendens* Insecta Odonata alttürlerinin ekolojik niş modelleme programı ile günümüzdeki dağılımlarının incelenmesi

Miroğlu A., Demirtaş S., Cansel Y., Gündüz İ.

22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014

XI. Türkiye'deki *Spermophilus Mammalia Rodentia* Türlerinin Evrimsel Genetiği Çok Lokuslu Yaklaşım

Tiryaki D., Demirtaş S., Gür H., Gündüz İ.

22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014

XII. Türkiye *Erinaceus Erinaceomorpha Mammalia* Cinsinin Moleküler Filocoğrafyası

Demirtaş S., Tiryaki D., Maarit J., Tez C., Gündüz İ.

21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012

XIII. Microsatellite Analysis of Turkish Ground Squirrels

Gündüz İ., Tez C., Demirtaş S., Maarit J., Stepanka R., Josef B., Fındık F., Altınkök N., Soy U.

III. European Ground Squirrel Meeting, Ordu, Turkey, 27 September - 01 October 2010

XIV. Gelengi'nin *Spermophilus* sp Histolojik olarak İncelenmesi

EREN B., MERCAN S., KEFELİOĞLU H., GÜNDÜZ İ.

XVIII. Ulusal Biyoloji Kongresi 26-30 Haziran 2006, Turkey, 26 - 30 June 2006

Supported Projects

Gündüz İ., Project Supported by Higher Education Institutions, *Hemiechinus auritus* (Gmelin, 1770)'un Türkiye ve yakın çevresindeki moleküler filogenisi, 2020 - 2021

Gündüz İ., Project Supported by Higher Education Institutions, Türkiye'deki kızıl tilkinin (*Vulpes vulpes* Linnaeus, 1758) moleküler filogenisi ve demografik tarihi, 2019 - 2020

Gündüz İ., Project Supported by Higher Education Institutions, Kayalık sansarı *Martes foina* (Erxleben, 1777)'nın Türkiye'deki evrimsel genetiği ve filocoğrafyası, 2013 - 2016