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Education Information

Doctorate, Akdeniz University, Institute of Science, Zootečni/Biyometri Ve Genetik Anabilim Dalı, Turkey 2018 - 2023

Postgraduate, Akdeniz University, Institute of Science, Zootečni/Biyometri Ve Genetik Anabilim Dalı, Turkey 2015 - 2018

Undergraduate, Akdeniz University, Faculty of Agriculture, Zootečni, Turkey 2011 - 2015

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Other, Deney Hayvanları Kullanım Sertifikası (Kategori B), Akdeniz Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu (AKHADYEK), 2016

Dissertations

Doctorate, Evaluation of Genetic Diversity and Selection Signatures in Native Turkish Cattle Breeds via High-Density SNP Data, Akdeniz University, Institute of Science, Institute of Science, 2023

Postgraduate, Türkiye’de Yetiştirilen Bazı Sığır Irklarında Genetik Çeşitliliğin Mikrosatellit Marker Yöntemiyle Belirlenmesi, Akdeniz University, Institute of Science, Zootečni, 2018

Research Areas

Agricultural Sciences, Agriculture, Zootečni and Animal Nutrition, Genetic, Molecular Genetics

Academic Titles / Tasks

Research Assistant, Akdeniz University, Institute of Science, Institute of Science, 2017 - Continues

Courses

Kariyer Planlama, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genome-wide screening for selection signatures in native and cosmopolitan cattle breeds reared in Türkiye**
DEMİR E., Moravčíková N., Kaya S., Kasarda R., Bilginer Ü., Doğru H., BALCIOĞLU M. S., KARSLI T.
Animal Genetics, vol.54, no.6, pp.721-730, 2023 (SCI-Expanded)
- II. **Mitochondrial DNA diversity of D-loop region in three native Turkish cattle breeds**
Demir E., Moravčíková N., Argun Karşı B., Kasarda R., Aytekin İ., Bilginer Ü., Karşı T.
ARCHIVES ANIMAL BREEDING, vol.66, no.1, pp.31-40, 2023 (SCI-Expanded)
- III. **Genome-wide genetic variation and population structure of native and cosmopolitan cattle breeds reared in Türkiye**
DEMİR E., Moravčíková N., Kaya S., Kasarda R., Doğru H., Bilginer Ü., BALCIOĞLU M. S., KARSLI T.
Animal Biotechnology, vol.34, no.8, pp.3877-3886, 2023 (SCI-Expanded)
- IV. **Detection of genetic diversity in cattle by microsatellite and SNP markers - a review**
Bilginer Ü., Ergin M., Demir E., Yolcu H. İ., Argun Karşı B.
ANIMAL SCIENCE PAPERS AND REPORTS, vol.40, no.4, pp.375-392, 2022 (SCI-Expanded)
- V. **Microsatellite Diversity and Restriction Enzyme-based Polymorphisms of MHC Loci in Some Native Turkish Goats**
Aslan M., Demir E., Karşı T.
Tarım Bilimleri Dergisi, vol.28, no.4, pp.626-634, 2022 (SCI-Expanded)
- VI. **Direct and indirect contributions of molecular genetics to farm animal welfare: a review**
DEMİR E., Bilginer U., BALCIOĞLU M. S., KARSLI T.
ANIMAL HEALTH RESEARCH REVIEWS, vol.22, no.2, pp.177-186, 2021 (SCI-Expanded)
- VII. **A comprehensive review on genetic diversity and phylogenetic relationships among native Turkish cattle breeds based on microsatellite markers**
Demir E., Karşı T., Balcioğlu M. S.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.45, no.1, pp.1-10, 2021 (SCI-Expanded)
- VIII. **The genetics of phenotypic plasticity in livestock in the era of climate change: a review**
Rovelli G., Ceccobelli S., Perini F., Demir E., Mastrangelo S., Conte G., Abeni F., Marletta D., Ciampolini R., Cassandro M., et al.
ITALIAN JOURNAL OF ANIMAL SCIENCE, vol.19, no.1, pp.997-1014, 2020 (SCI-Expanded)
- IX. **Polymorphisms in Some Candidate Genes Associated with Egg Yield and Quality in Five Different White Layer Pure Lines**
Demir E., Karşı T., Fidan H. G., Karsli B. A., Aslan M., Aktan S., Kamanli S., Karabağ K., Şahin Semerci E., Balcioğlu M. S.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.26, no.6, pp.735-741, 2020 (SCI-Expanded)
- X. **Determination of genetic variability, population structure and genetic differentiation of indigenous Turkish goat breeds based on SSR loci**
KARSLI T., DEMİR E., Fidan H. G., Aslan M., Karsli B. A., ARIK İ. Z., ŞAHİN SEMERCİ E., KARABAĞ K., BALCIOĞLU M. S.
SMALL RUMINANT RESEARCH, vol.190, 2020 (SCI-Expanded)
- XI. **Assessment of genetic diversity and differentiation among four indigenous Turkish sheep breeds using microsatellites**
Karsli B. A., Demir E., Fidan H. G., Karşı T.
ARCHIVES ANIMAL BREEDING, vol.63, no.1, pp.165-172, 2020 (SCI-Expanded)
- XII. **Molecular Identification of the "Facciuta Della Valnerina" Local Goat Population Reared in the Umbria Region, Italy**

Ceccobelli S., Lasagna E., Demir E., Rovelli G., Albertini E., Veronesi F., Sarti F. M., Rosellini D.

ANIMALS, vol.10, no.4, 2020 (SCI-Expanded)

XIII. Genetic diversity and population structure of four cattle breeds raised in Turkey using microsatellite markers

Demir E., Balcioğlu M. S.

CZECH JOURNAL OF ANIMAL SCIENCE, vol.64, no.10, pp.411-419, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of polymorphisms in the HSP90AA1 gene region in some Turkish sheep populations by AS-PCR**
DEMİR E.
MUSTAFA KEMAL UNIVERSITY JOURNAL OF AGRICULTURAL SCIENCES (MKUJAS), vol.29, no.1, pp.38-46, 2024 (Peer-Reviewed Journal)
- II. **InDel Variations of PRL and GHR Genes Associated with Litter Size in Pirlak sheep breed**
ATAY S., YURDAGÜL K. G., Bilginer Ü., KARSLI T., DEMİR E.
Journal of Tekirdag Agricultural Faculty, vol.20, no.4, pp.890-897, 2023 (ESCI)
- III. **Investigation of Some Autosomal Recessive Inherited Diseases (BLAD, DUMPS, CVM, and FXID) in Holstein Cattle**
TÜRKMEN D., DEMİR E., Bilginer Ü., KARSLI T.
Livestock studies, vol.63, no.2, pp.87-91, 2023 (Peer-Reviewed Journal)
- IV. **Genetic variations in HSP90AA1 gene region in Pirlak sheep breed**
YURDAGÜL K. G., ATAY S., BİLGİNER Ü., KARSLI T., DEMİR E.
Hayvansal Üretim, vol.64, no.1, pp.12-16, 2023 (Peer-Reviewed Journal)
- V. **Future Perspective of NGS Data for Evaluation of Population Genetic Structure in Turkish Cattle**
DEMİR E., MORAVČÍKOVÁ N., KARSLI T., KASARDA R.
ACTA FYTOTECNICA ET ZOOTECHNICA, vol.25, no.2, pp.117-121, 2022 (Scopus)
- VI. **Conservation and Selection of Genes Related to Environmental Adaptation in Native Small Ruminant Breeds: A Review**
DEMİR E., CECCOBELLI S., Bilginer Ü., PASQUINI M., ATTARD G., KARSLI T.
Ruminants, vol.2, pp.1-16, 2022 (Peer-Reviewed Journal)
- VII. **Comparing Autosomal SSR and PCR-RFLP Markers to Determine Phylogenetic Relationship Based on Genetic Distances in Livestock**
Karşlı T., Demir E., Argun Karşlı B., Fidan H. G., Balcioğlu M. S.
Hayvansal Üretim, vol.61, no.2, pp.135-141, 2020 (Peer-Reviewed Journal)
- VIII. **Polymorphisms in candidate genes associated with egg yield and quality in brown layer pure lines**
KARSLI T., DEMİR E., Fidan H. G., ARGUN KARSLI B., Aslan M., AKTAN S., Kamanlı S., KARABAĞ K., ŞAHİN E., BALCIOĞLU M. S.
Mediterranean Agricultural Sciences, vol.33, no.3, pp.433-439, 2020 (Peer-Reviewed Journal)
- IX. **Torosların kadim sakinleri: Antalya'da keçi yetiştiriciliği ve önemi**
KARSLI T., DEMİR E.
Tarımın Sesi, vol.43, no.1, pp.37-41, 2020 (Non Peer-Reviewed Journal)
- X. **Determination of SacII and MboII polymorphisms in the Nerve Growth Factor (NGF) gene in four native Turkish goat populations**
Demir E., Argun Karşlı B., Karşlı T., Balcioğlu M. S.
Mediterranean Agricultural Sciences, vol.33, no.1, pp.145-148, 2020 (Peer-Reviewed Journal)
- XI. **Antalya'da yetiştirilen holstein sığırlarında kompleks vertebral malformasyon kalıtsal hastalığının allele özgü PCR ile belirlenmesi**
EREN M. G., BALCIOĞLU M. S., DEMİR E.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.32, no.3, pp.443-446, 2019 (Peer-Reviewed Journal)

- XII. **Ankara Tavukçuluk Araştırma Enstitüsü'nde Yetiştirilen Yumurtacı Saf Tavuk Hatlarında Yumurta Verimi ile İlişkili IGF-I ve NPY Aday Genlerindeki Polimorfizmlerin Belirlenmesi**
Karşı T., Balcıoğlu M. S., Demir E., Hüseyin Göktuğ F., Aslan M., Aktan S., Kamanlı S., Karabağ K., Şahin E.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.5, no.9, pp.1051-1056, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of genetic diversity in Anatolian Black Cattle raised in Turkey using Microsatellite Marker Method**
DEMİR E., BALCIOĞLU M. S.
10th International Animal Science Conference, Antalya, Turkey, 25 - 27 October 2018, pp.420-423
- II. **Determination of genetic diversity in Turkish Grey Steppe Cattle raised in Turkey using Microsatellite Marker Method**
DEMİR E., BALCIOĞLU M. S.
10th International Animal Science Conference, Antalya, Turkey, 25 - 27 October 2018, pp.424-427
- III. **Determination of Polymorphism in the Dopamine D2 Receptor (DRD2) Gene in Five White Layer Lines Using PCR-RFLP Method**
DEMİR E., KARSLI T., BALCIOĞLU M. S., FİDAN H. G., ASLAN M., AKTAN S., ARGUN KARSLI B., KARABAĞ K., ŞAHİN E.
International Poultry Science Congress of WPSA Turkish Branch'2018, Niğde, Turkey, 9 - 12 May 2018, pp.116-121
- IV. **DNA Tamir Mekanizmaları**
DEMİR E., BALCIOĞLU M. S.
13. Ulusal Zootečni Öğrenci Kongresi, Antalya, Turkey, 26 - 27 April 2018, pp.92
- V. **Determination of polymorphisms on Insulin-like growth factor-I (IGF-I) and Norepinephrine Y (NPY) genes in Denizli chickens by using PCR-RFLP method**
KARSLI T., BALCIOĞLU M. S., DEMİR E., FİDAN H. G., ASLAN M., ARGUN KARSLI B.
III. International Agriculture Congress, Üsküp, Macedonia, 14 - 18 August 2017
- VI. **Determination of Polymorphism in the Ovocalyxin-32 (OCX32) Gene in Different Six Brown Layer Lines Using PCR-RFLP Method**
BALCIOĞLU M. S., KARSLI T., DEMİR E., ASLAN M., FİDAN H. G., AKTAN S., ŞAHİN E., KARABAĞ K.
III. International Agriculture Congress, Üsküp, Macedonia, 14 - 18 August 2017
- VII. **Association between the MspI polymorphism in growth hormone gene and milk yield in holstein cows**
Şahin E., BALCIOĞLU M. S., KARSLI T., DEMİR E.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256

Metrics

Publication: 32
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Citation (Scopus): 22
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H-Index (Scopus): 3