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International Researcher IDs

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Education Information

Post Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 2012 - 2014

Doctorate, University of Illinois at Chicago, Arts and Sciences, Department of Biology, United States Of America 2000 - 2010

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 1996 - 1999

Dissertations

Doctorate, Genetic consequences of conservation management of Anacapa Island deer mice and Illinois shiners., University of Illinois at Chicago, 2010

Postgraduate, A preliminary study on genetic differentiation among Turkish brown trout (*Salmo trutta* L.) populations as revealed by RFLP analysis of PCR amplified mitochondrial DNA segments, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, 1999

Research Areas

Social Sciences and Humanities, Life Sciences, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

I. The Population History of Domestic Sheep Revealed by Paleogenomes

Kaptan D., Atag G., VURAL K. B., Miranda P. M., Akbaba A., Yuncu E., Buluktaev A., Abazari M. F., Yorulmaz S., KAZANCI D. D., et al.

MOLECULAR BIOLOGY AND EVOLUTION, no.10, 2024 (SCI-Expanded)

II. Ancient Sheep Genomes Reveal Four Millennia of North European Short-Tailed Sheep in the Baltic Sea Region

Larsson M. N. A., Miranda P. M., Pan L., VURAL K. B., Kaptan D., Soares A. E. R., Kivikero H., Kantanen J., SOMEL M., ÖZER F., et al.

GENOME BIOLOGY AND EVOLUTION, no.6, 2024 (SCI-Expanded)

- III. **Population genomic history of the endangered Anatolian and Cyprian mouflons in relation to worldwide wild, feral and domestic sheep lineages**
Atağ G., Kaptan D., Yüncü E., Vural K. B., Mereu P., Pirastru M., Barbato M., Leoni G. G., Güler M. N., Er T., et al.
GENOME BIOLOGY AND EVOLUTION, vol.16, no.5, pp.1-19, 2024 (SCI-Expanded)
- IV. **The diversity of postmarital residence patterns during the Holocene**
Sevkar A., Dogu A., Gemici H. C., Karamurat C., Aydogan A., Kaptan D., SÜRER E., ERDAL Y. S., Atakuman C., ÖZER F., et al.
AMERICAN JOURNAL OF BIOLOGICAL ANTHROPOLOGY, pp.164, 2024 (SCI-Expanded)
- V. **Archaeogenomic insights into Anatolia-Caucasus interactions since Neolithic**
ÖZER F.
AMERICAN JOURNAL OF BIOLOGICAL ANTHROPOLOGY, pp.130, 2024 (SCI-Expanded)
- VI. **Comparison and optimization of protocols and whole-genome capture conditions for ancient DNA samples.**
Yaka R., Lagerholm V. K., Linderholm A., Özer F., Somel M., Götherström A.
BioTechniques, 2024 (SCI-Expanded)
- VII. **Spatial and temporal heterogeneity in human mobility patterns in Holocene Southwest Asia and the East Mediterranean**
Koptekin D., Yüncü E., Rodríguez-Varela R., Altınışık N. E., Psonis N., Kashuba N., Yorulmaz S., George R., Kazancı D. D., Kaptan D., et al.
CURRENT BIOLOGY, vol.0, no.0, pp.1-17, 2022 (SCI-Expanded)
- VIII. **A genomic snapshot of demographic and cultural dynamism in Upper Mesopotamia during the Neolithic Transition**
Altınışık N. E., Kazancı D. D., Aydoğan A., Gemici H. C., Erdal Ö. D., Sarıaltun S., Vural K. B., Koptekin D., Gürün K., Sağlıcan E., et al.
SCIENCE ADVANCES, vol.8, no.44, pp.1-17, 2022 (SCI-Expanded)
- IX. **Collaborate equitably in ancient DNA research and beyond**
Somel M., Altınışık N. E., Özer F., Ávila-Arcos M. C.
Nature, vol.600, pp.37, 2021 (SCI-Expanded)
- X. **Archaeogenetic analysis of Neolithic sheep from Anatolia suggests a complex demographic history since domestication**
Yurtman E., Özer O., Yüncü E., Dağtaş N. D., Koptekin D., Çakan Y. G., Özkan M., Akbaba A., Kaptan D., Atağ G., et al.
COMMUNICATIONS BIOLOGY, vol.4, no.1, 2021 (SCI-Expanded)
- XI. **Human inbreeding has decreased in time through the Holocene.**
Ceballos F. C., Gürün K., Altınışık N. E., Gemici H. C., Karamurat C., Koptekin D., Vural K. B., Mapelli I., Sağlıcan E., Sürer E., et al.
Current biology : CB, vol.31, pp.3925-3943, 2021 (SCI-Expanded)
- XII. **Demography of swordfish (*Xiphias gladius* Linneus) populations from the coasts of Turkey, based on mitochondrial DNA and microsatellites**
Yuncu E., Acan S. C., ONAR V., KARAKULAK F. S., GÖKOĞLU M., Alicli T. Z., Chiriboga F., Togan I., Ozer F.
JOURNAL OF FISH BIOLOGY, vol.99, no.1, pp.37-48, 2021 (SCI-Expanded)
- XIII. **Variable kinship patterns in Neolithic Anatolia revealed by ancient genomes**
Yaka R., Mapelli I., Kaptan D., Doğu A., Chyleński M., Erdal Ö. D., Koptekin D., Vural K. B., Bayliss A., Mazzucato C., et al.
CURRENT BIOLOGY, vol.31, no.11, pp.2455-2486, 2021 (SCI-Expanded)
- XIV. **Y-Chromosome Polymorphisms in 12 Native, Karagul, Karacabey Merino Breeds from Turkey and Anatolian Mouflon (*Ovis gmelinii anatolica*)**
Parmaksız A., Oymak A., Yuncu E., Demirci S., KOBAN BAŞTANLAR E., Unal E. O., Togan I., Ozer F.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.24, no.6, pp.821-828, 2018 (SCI-Expanded)
- XV. **The Demographic Development of the First Farmers in Anatolia**
Kilinc G. M., Omrak A., Ozer F., Gunther T., BÜYÜKKARAKAYA A. M., Bıçakçı E., Baird D., Donertas H. M., Ghalichi A.,

Yaka R., et al.

CURRENT BIOLOGY, vol.26, no.19, pp.2659-2666, 2016 (SCI-Expanded)

XVI. **Growth hormone (GH), prolactin (PRL), and diacylglycerol acyltransferase (DGAT1) gene polymorphisms in Turkish native cattle breeds**

Unal E. O., Kepenek E. S., Dinc H., Ozer F., Sonmez G., Togan I. Z., Soysal M. I.

TURKISH JOURNAL OF ZOOLOGY, vol.39, no.5, pp.734-748, 2015 (SCI-Expanded)

XVII. **Mitochondrial DNA Diversity of Modern, Ancient and Wild Sheep (*Ovis gmelinii anatolica*) from Turkey: New Insights on the Evolutionary History of Sheep**

Demirci S., KOBAN BAŞTANLAR E., Dagtas N. D., PİŞKİN E., Engin A., Ozer F., Yuncu E., Dogan S. A., Togan I.

PLOS ONE, vol.8, no.12, 2013 (SCI-Expanded)

XVIII. **Genetic evaluation of remnant and translocated shiners, *Notropis heterodon* and *Notropis heterolepis***

Ozer F., Ashley M. V.

JOURNAL OF FISH BIOLOGY, vol.82, no.4, pp.1281-1296, 2013 (SCI-Expanded)

XIX. **Genetic impacts of *Anacapa* deer mice reintroductions following rat eradication**

Ozer F., Gellerman H., Ashley M. V.

MOLECULAR ECOLOGY, vol.20, no.17, pp.3525-3539, 2011 (SCI-Expanded)

XX. **Low Genetic Differentiation across Three Major Ocean Populations of the Whale Shark, *Rhincodon typus***

Schmidt J. V., Schmidt C. L., Ozer F., Ernst R. E., Feldheim K. A., Ashley M. V., Levine M.

PLOS ONE, vol.4, no.4, 2009 (SCI-Expanded)

Books & Book Chapters

I. **People of Anatolia: Past, Current and Future Research in the Biological Anthropology of Türkiye**

Aydoğın A., Altınışik N. E., Gemici H. C., Atakuman Ç., Özer F., Somel M.

in: A genomic history of the Neolithisation in Anatolia: preliminary insights, Benjamin Irvine, Yılmaz Selim Erdal, Lutgarde Vandepuit, Editor, The British Institute of Archaeology at Ankara, London, pp.70-80, 2024

II. **From Bones to Genomes: Current Research on the Population History of Prehistoric Anatolia**

Kazancı D. D., ALTINIŞIK N. E., Aydoğın A., ÖZER F., SÜRER E., ATAKUMAN Ç., SOMEL M., ERDAL Y. S.

in: The Archaeology of Anatolia, Volume IV: Recent Discoveries (2018–2020), Steadman Sharon R., McMahon Gregory, Editor, Cambridge Scholars Publishing, Cambridge, pp.355-371, 2021

III. **Ancient genomics in Neolithic Central Anatolia and Çatalhöyük**

Yaka R., Doğu A., Kaptan D., Dağtaş N. D., Chyleski M., Vural K. B., ALTINIŞIK N. E., Mapelli I., Koptekin D., Karamurat C., et al.

in: Peopling the Landscape of Çatalhöyük: Reports from the 2009-2017 Seasons, Hodder, Ian, Editor, British Institute at Ankara, Londrina, pp.395-405, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Intramural burials in Neolithic Anatolia: what do they tell about social organisation**

Somel M., Altınışik N. E., Erdal Y. S., Atakuman Ç., Özer F.

Kinship, Sex, and Biological Relatedness The contribution of archaeogenetics to the understanding of social and biological relations, Halle, Germany, 6 - 08 October 2022, pp.137-148

II. **New Insights into the Population Structure of Pre-Pottery Neolithic Upper Mesopotamia**

ALTINIŞIK N. E., Yüncü E., Kazancı D. D., Vural K. B., ERDAL Ö. D., ÖZER F., ERDAL Y. S., Erim Özdoğan A., SOMEL M. SMBE 2023, Ferrara, Italy, 22 - 27 July 2023

III. **Population History of South Caucasus from Neolithic to Bronze Age and its Long-Term Interactions with Anatolian Peninsula**

Altınıřık N. E., Özer F., Sevkar A., Somel M., Erdal Y. S.

Urartu ve Ötesi Sempozyumu, Van, Turkey, 7 - 09 September 2022, pp.1

IV. An archaeogenetic perspective into sheep demographic history by analysing Anatolian Neolithic sheep

ÖZER F., KAPTAN D., VURAL K. B., ATAĞ G., YÜNCÜ E., SOMEL M.

CONGRESS OF EUROPEAN SOCIETY FOR EVOLUTIONARY BIOLOGY, PRAG, Czech Republic, 14 - 19 August 2022

V. First Genomic Insights into Pre-pottery Neolithic of Upper Mesopotamia

ALTINIŐIK N. E., Aydođan A., Kazancı D. D., Vural K. B., Koptekin D., Özkan M., Gemici H. C., Karamurat C., ERDAL Ö. D., Götherström A., et al.

9TH INTERNATIONAL SYMPOSIUM ON BIOMOLECULAR ARCHAEOLOGY, Toulouse, France, 1 - 04 June 2021

VI. Benchmarking kinship estimation tools for ancient genomes using pedigree simulations

Çetin M., Aktürk Ő., Mapelli I., Yaka R., Çokođlu S., Zakaria D., Ceballos F., Ghalichi A., ALTINIŐIK N. E., Koptekin D., et al.

13th The International Symposium on Health Informatics and Bioinformatics (HIBIT 2020), İstanbul, Turkey, 22 - 23 October 2020

Supported Projects

KILINÇ G. M., YET İ., ERDAL Y. S., ÖZER F., Project Supported by Higher Education Institutions, KonakPatojen İliŐkisine Antik Holobiyomlarla Bakıő Diő Çürümesi ile İliŐkili Genetik Yapının ve İnsan Ađız Mikrobiyotasının Temporal DeđiŐiminin ve EtkileŐiminin Antik DNA ile AraŐtırılması (TUBİTAK ARDEB 123Z321 Nolu 3501 Projesi ile Yüksek Bütçe BaŐvuru), 2024 - Continues

KILINÇ G. M., ERDAL Y. S., ÖZER F., YET İ., ALTINIŐIK N. E., Project Supported by Higher Education Institutions, Obezite ve Tip 2 Diyabet ile iliŐkili genetik yapının Anadolu'da son 10000 yıl içindeki deđiŐim dinamiklerinin antik DNA ve popülasyon genetiđi yaklaŐımları ile incelenmesi (TUBİTAK ARDEB 121Z025 No'lu 3501 Projesi ile Yüksek Bütçe BaŐvuru), 2023 - Continues

ALTINIŐIK N. E., ERDAL Y. S., ÖZER F., Project Supported by Higher Education Institutions, "Anadoluda Roma Dönemi Kıyı ve İÇ Kesim Toplumlarının Popülasyon Tarihinin Arkeogenomik Açıdan İncelenmesi" BaŐlıklı ve 121Z485 kodlu TUBİTAK 1001 Projesine Ek Bütçe Desteđi, 2023 - Continues

Kazancı D. D., Vural K. B., Őahođlu V., Erdal Ö. D., Altınıřık N. E., Özer F., Somel M., Erdal Y. S., TUBİTAK Project, Arkeogenomik YaklaŐımlarla Tunç Çađı Batı Anadolu Populasyon Dinamiklerinin AraŐtırılması, 2024 - 2027

Kilinç G. M., Kirdök E., Erdal Y. S., Özer F., Yet İ., TUBİTAK Project, Konak-Patojen İliŐkisine Antik Holobiyomlarla Bakıő: Diő Çürümesi ile İliŐkili Genetik Yapının ve İnsan Ađız Mikrobiyotasının Temporal DeđiŐiminin ve EtkileŐiminin Antik DNA ile AraŐtırılması, 2023 - 2026

Somel M., Özer F., Altınıřık N. E., Erdal Y. S., Kirdök E., TUBİTAK Project, Leprosy in Anatolia: a paleopathological and archaeogenomic study, 2023 - 2026

Erdal Y. S., Altınıřık N. E., Tekinalp V. M., Koruyucu M. M., Kazancı D. D., Vural K. B., Özer F., Kılınç G. M., Somel M., TUBİTAK Project, Nicaean People and Byzantine Warriors: A Bioarchaeological Study (İBİS), 2022 - 2025

Özer F., Erdal Y. S., Kazancı D. D., Vural K. B., Altınıřık N. E., Kılınç G. M., Somel M., TUBİTAK Project, Anatolian Caucasian Relations from the Neolithic to the Middle Ages: An Archaeogenomic Study on the Human Remains of Anatolia and Azerbaijan, 2022 - 2025

Altınıřık N. E., Erdal Y. S., Korkut T., Vural K. B., Kazancı D. D., Özer F., Somel M., TUBİTAK Project, Investigation of the Population History of the Roman Era Coastal and Inland Societies in Anatolia from an Archaeogenomics Perspective, 2021 - 2024

Somel M., Altınıřık N. E., Özer F., Erdal Y. S., Atakuman Ç., Sürer E., H2020 Project, Mapping The Neolithic Expansion In The Mediterranean: A Scientific Collective To Promote Archaeogenomics And Evolutionary Biology Research In Turkey, 2021 - 2024

Somel M., Altınıřık N. E., Özer F., Erdal Y. S., H2020 Project, Archaeogenomic analysis of genetic and cultural interactions in Neolithic Anatolian societies, 2018 - 2024

KUCUK BALOGLU F., ERDAL Y. S., ÖZER F., TUBİTAK Project, Determination of DNA preservation in human and animal

bones from Anatolian Neolithic by pre-screening method based on FTIR spectroscopy, 2021 - 2023

Özer F., Engin A., Bıçakçı E., Gündem C. Y., TÜBİTAK Project, Anadolu'da At Arkeogenomiği ve Popülasyon Demografileri, 2018 - 2021

Metrics

Publication: 30

Citation (WoS): 295

Citation (Scopus): 362

H-Index (WoS): 7

H-Index (Scopus): 8

Congress and Symposium Activities

Congress of The European Society for Evolutionary Biology (ESEB2022), Attendee, Praha, Czech Republic, 2022

Congress of The European Society for Evolutionary Biology (ESEB2022), Attendee, Praha, Czech Republic, 2022

Congress of The European Society for Evolutionary Biology , Attendee, Praha, Czech Republic, 2022

Scholarships

TÜBİTAK 2218 Yurt içi doktora sonrası araştırma bursu, TÜBİTAK, 2012 - 2014