

Prof. ERCÜMENT ÇOLAK

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 1989 - 1995

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 1987 - 1989

Undergraduate, Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Türkiye'deki Allactaga Cuvier, 1836 (Mammalia:Rodentia) cinsinin taksonomik durumu ve yayılışı, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 1995

Postgraduate, Kuzey Anadolu'xxdaki Clethrionomys Tylesius, 1850 (Mammalia:Rodentia) cinsinin taksonomik durumu ve yayılışı, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 1989

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2004 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 1998 - 2004

Research Assistant, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 1987 - 2004

Academic and Administrative Experience

Ankara University, 2012 - 2015

Courses

TAKSONOMİK ARAŞTIRMA VE YAYINLAR, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

GENEL BİYOLOJİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

HAYVAN COĞRAFYASI, Undergraduate, 2018 - 2019, 2013 - 2014

YABAN HAYATI, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

OMURGALILAR BİYOLOJİSİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

EVİRİM, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

GENEL BİYOLOJİ LABORATUARI, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005

TÜRKİYE KEMİRİCİLERİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

OMURGALILAR BİYOLOJİSİ LABORATUARI, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

MEMELİ HAYVAN BİLİMİ, Undergraduate, 2017 - 2018

MAMMALOJİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

TÜRKİYE KEMİRİCİLERİ, Postgraduate, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vkorc1 gene polymorphisms confer resistance to anticoagulant rodenticide in Turkish rats**
Yiğit N., Duman M. T., Çetintürk D., Saygılı Yiğit F., Çolak E., Çolak R.
PEERJ, vol.11, no.e15055, pp.1-11, 2023 (SCI-Expanded)
- II. **Molecular assessment of the taxonomic status of pine vole species *Microtus subterraneus* and *Microtus majori* in southeastern Europe and Turkey**
Çetintürk D., Yiğit N., Çolak E.
ANIMAL BIODIVERSITY AND CONSERVATION, vol.46, pp.57-69, 2023 (SCI-Expanded)
- III. **The importance of shape analysis of the first upper molar in the separation of two subspecies of the Hazel dormouse (*Muscardinus avellanarius* (Linnaeus, 1758)) in Northern Anatolia**
Yavuz G., MUTLU EYİSON H., Kivanç E., SELVİ E., YİĞİT N., ÇOLAK E.
Turkish Journal of Zoology, vol.47, no.3, pp.182-190, 2023 (SCI-Expanded)
- IV. **Molecular assessment of the taxonomic status of pine vole species *Microtus subterraneus* and *Microtus majori* in southeastern Europe and Turkey**
Çetintürk D., Yiğit N., ÇOLAK E.
ANIMAL BIODIVERSITY AND CONSERVATION, vol.46, no.1, pp.57-74, 2023 (SCI-Expanded)
- V. **Diversity of snow voles of the "nivalis" group (*Chionomys*, Arvicolinae, Rodentia) in the eastern part of the range with a description of a new species**
Golenishchev F. N., Malikov V. G., Bannikova A. A., Zykov A. E., Yiğit N., Çolak E.
RUSSIAN JOURNAL OF THERIOLOGY, vol.21, no.1, pp.1-12, 2022 (SCI-Expanded)

- VI. **Comparative genetic research on *Microtus mystacinus* (de Filippi, 1865) distributed in Asia and Europe inferred from mitochondrial (CYTB and COXI) and nuclear (IRBP) gene regions**
Çetintürk D., Yiğit N., Castiglia R., Senczuk G., Çolak E.
Animal Biology, vol.72, no.4, pp.309-324, 2022 (SCI-Expanded)
- VII. **New Data on the Taxonomy of the Genus *Apodemus* Kaup, 1829 (Mammalia: Rodentia) in Turkey: a Geometric Morphometric Approach**
Helvacı Z., ÇOLAK E.
ACTA ZOOLOGICA BULGARICA, vol.73, no.4, pp.503-509, 2021 (SCI-Expanded)
- VIII. **The roles of possible geographic barriers and geological events on the phylogeographic structure of the Eastern broad toothed field mouse (*Apodemus mystacinus*)**
Karacan G. O., ÇOLAK R., ÇOLAK E.
MAMMALIA, vol.85, no.5, pp.401-411, 2021 (SCI-Expanded)
- IX. **Inferring phylogenetic relationships in the common vole (*Microtus arvalis*) based on mitochondrial and nuclear sequence diversities**
ÇETİNTÜRK D., YİĞİT N., ÇOLAK E., Markov G., Cirovic D., Marton M.
TURKISH JOURNAL OF ZOOLOGY, vol.45, no.2, pp.117-133, 2021 (SCI-Expanded)
- X. **THE GENUS *MUSTELA* LINNAEUS, 1758 IN TURKEY: DISTRIBUTION OF SPECIES, SUBSPECIES STATUS, KARYOLOGY AND MORPHOMETRY**
ÖZKURT Ş. Ö., KANDEMİR İ., ÇOLAK R., ÇOLAK E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, no.2, pp.899-912, 2021 (SCI-Expanded)
- XI. **Phylogenetic and Phylogeographic Relationships of Populations of *Meriones tristrami* Thomas, 1892 (Rodentia: Gerbillinae) in Turkey as Inferred from Cytochrome-b and RFLP Analysis**
YİĞİT N., ÇOLAK E., Markov G., Yigit F. S., ÇOLAK R., ÇETİNTÜRK D., ŞEKER P. S., SELVİ E.
ACTA ZOOLOGICA BULGARICA, vol.72, no.3, pp.353-361, 2020 (SCI-Expanded)
- XII. **NUCLEAR AND ORGANELLE GENES BASED PHYLOGENY OF *DRYOMYS* (GLIRIDAE, RODENTIA, MAMMALIA) FROM TURKEY**
Kankilic T., ŞEKER P. S., Aydın B., Altunbas D., SELVİ E., YİĞİT N., ÇOLAK E.
ACTA ZOOLOGICA ACADEMIAE SCIENTIARUM HUNGARICAE, vol.65, no.4, pp.399-413, 2019 (SCI-Expanded)
- XIII. **Geographical Distribution Pattern of Mitochondrial DNA Cytochrome b Diversity in Populations of *Arvicola amphibius* (Linnaeus, 1758) (Mammalia: Rodentia) in Turkey as Determined by PCR-RFLP**
ŞEKER P. S., SELVİ E., Kankilic T., ÇOLAK E.
ACTA ZOOLOGICA BULGARICA, vol.70, no.1, pp.19-30, 2018 (SCI-Expanded)
- XIV. **Determination of genetic variations in the genus *Dryomys* Thomas, 1906 (Rodentia: Gliridae) distributed in Turkey using NADH dehydrogenase 1 (ND1) gene**
Kankilic T., ŞEKER P. S., Erdik A. C., KANKILIÇ T., SELVİ E., YİĞİT N., ÇOLAK E.
MITOCHONDRIAL DNA PART A, vol.29, no.6, pp.933-942, 2018 (SCI-Expanded)
- XV. **Genetic structure of the Turkish hamster (*Mesocricetus brandti*)**
Neumann K., YİĞİT N., Fritzsche P., ÇOLAK E., Feoktistova N., Surov A., Michaux J.
MAMMALIAN BIOLOGY, vol.86, pp.84-91, 2017 (SCI-Expanded)
- XVI. **Phylogenetic assessment of voles of the Guentheri Group (Mammalia: *Microtus*) in Turkish Thrace and Western Anatolia**
Yiğit N., Çetintürk D., Çolak E.
ITALIAN JOURNAL OF ZOOLOGY, vol.84, no.1, pp.252-260, 2017 (SCI-Expanded)
- XVII. **Population Epigenetic Diversity versus Subspecies Detachment of the Forest Dormouse, *Dryomys nitedula* (Pallas, 1778) (Rodentia: Gliridae), in a Long Distance Transect in Eurasia: Implication for its Conservation**
Markov G. G., ÇOLAK E., YİĞİT N., Kocheva M. A., Gospodinova M. K., Dimitrov H.
ACTA ZOOLOGICA BULGARICA, vol.69, pp.199-204, 2017 (SCI-Expanded)
- XVIII. **EPIGENETIC VARIATION AND POPULATION UNIQUENESS OF THE FOREST DORMOUSE (*DRYOMYS NITEDULA*) AS REVEALED BY CRANIOLOGICAL NONMETRIC TRAITS**
Markov G., ÇOLAK E., YİĞİT N., Dimitrov H.

COMPTE RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.70, no.3, pp.381-386, 2017 (SCI-Expanded)

- XIX. **Genetic variations of Turkish bank vole, *Myodes glareolus* (Mammalia: Rodentia) inferred from mtDNA**

ÇOLAK R., Karacan G. O., KANDEMİR İ., ÇOLAK E., Kankilic T., YİĞİT N., Michaux J.

MITOCHONDRIAL DNA PART A, vol.27, no.6, pp.4372-4379, 2016 (SCI-Expanded)

- XX. **Genetic differentiation of the *Meriones tristrami* (Mammalia: Rodentia) subpopulations in Turkey - inferring allozyme variations**

YİĞİT N., Saygılı Yigit F., ÇOLAK E., ÇOLAK R., ÇETİNTÜRK D.

TURKISH JOURNAL OF ZOOLOGY, vol.40, no.6, pp.894-899, 2016 (SCI-Expanded)

- XXI. **A new species of voles, *Microtus elbeyli* sp nov., from Turkey with taxonomic overview of social voles distributed in southeastern Anatolia**

YİĞİT N., ÇOLAK E., SÖZEN M.

TURKISH JOURNAL OF ZOOLOGY, vol.40, no.1, pp.73-79, 2016 (SCI-Expanded)

- XXII. **Allozyme variations in Anatolian populations and cytotypes of the blind mole rats (*Nannospalax*)**

Kankilic T., KANKILIÇ T., SÖZEN M., ÇOLAK E.

BIOCHEMICAL SYSTEMATICS AND ECOLOGY, vol.59, pp.126-134, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **ALIEN VERTEBRATES AND VERTEBRATE PESTS IN TURKEY WITH AN OVERVIEW OF RODENT MANAGEMENT**
Yiğit N., Özeren S. C., Saygılı Yiğit F., Çolak E., Gül N., Çetintürk D.
Journal of Scientific Reports-A, vol.46, pp.59-80, 2021 (Peer-Reviewed Journal)
- II. **G-banded Karyotypes of Some Species in Gliridae (Mammalia: Rodentia) from Turkey**
Kankılıç T., Şeker P. S., Selvi E., Özkan B., Yiğit N., Çolak E.
Adıyaman University Journal of Science, vol.11, no.1, pp.59-72, 2021 (Peer-Reviewed Journal)
- III. **An assessment on biometric differentiation depend on distribution of the Anatolian Jird *Meriones tristrami* (Mammalia: Rodentia) Subpopulations in Turkey**
YİĞİT N., ÇOLAK E., Saygılı Yigit F., ÇOLAK R., ÇETİNTÜRK D.
KSU TARIM VE DOĞA DERGİSİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.24, no.1, pp.177-185, 2021 (ESCI)
- IV. **COMPARATIVE BIOMETRIC AND MORPHOLOGICAL ANALYSIS OF SUBGENUS TERRICOLA (RODENTIA:MICROTUS) BLACK SEA REGION FROM TURKEY DENTIA: MICROTUS) IN EASTERN**
Şeker P. S., Çolak E., Kankılıç T., Selvi E.
Commun.Fac.Sci.Univ.Ank.Series C, vol.29, no.1, pp.71-94, 2020 (Peer-Reviewed Journal)
- V. **Biometric analyses of the genus *Meriones* Illiger 1811 (Mammalia: Rodentia) species distributed in Turkey**
Yiğit N., Çolak E., Çolak R., Saygılı Yiğit F., Çetintürk D.
Acta Biologica Turcica, vol.31, no.3, pp.122-132, 2018 (Peer-Reviewed Journal)
- VI. **Haplotype variations of three Mitochondrial DNA genes in *Microtus guentheri* (Danford and Alston, 1880).**
ÇETİNTÜRK D., YİĞİT N., ÇOLAK E.
Acta Biologica Turcica, vol.30, no.4, pp.157-163, 2017 (Peer-Reviewed Journal)
- VII. **Karyological and distributional contributions to Turkish rodent fauna (Mammalia: Rodentia) from islands in Aegean and Marmara Sea**
Seçkinozan ŞEKER P., SELVİ E., ÇOLAK E.
Artvin Coruh University Journal of Forestry Faculty, 2017 (Peer-Reviewed Journal)
- VIII. **Morphometric analysis of *Nannospalax leucodon* (Nordmann, 1840) with 2n=60 distributed in Central Anatolia**
SELVİ E., KANKILIÇ T., ŞEKER P. S., ÇOLAK E.

Refereed Congress / Symposium Publications in Proceedings

- I. **THE TAXONOMIC EVALUATION OF ENDEMIC ANATOLIAN VOLE (*Microtus anatolicus* KRYŠTUFK AND KEFELIOĞLU, 2001) USING MITOCHONDRIAL GENE SEQUENCES**
Çetintürk D., Yiğit N., Çolak E.
V. INTERNATIONAL AGRICULTURAL, BIOLOGICAL, LIFE SCIENCE CONFERENCE AGBIOL 2023 , Edirne, Turkey, 18 - 20 September 2023, pp.190
- II. **A brief overview of the *Vkorc1* gene mutations related to anticoagulant rodenticide resistance in Turkish populations of *Rattus rattus* and *Rattus norvegicus***
Çetintürk D., Yiğit N., Duman M. T., Saygılı Yiğit F., Çolak E.
13th European Vertebrate Pest Management Conference, Florence, Italy, 28 August - 01 September 2023, pp.88
- III. **Mitochondrial phylogeny of *Microtus elbeyli* (Mammalia: Rodentia) recorded from Southeastern Anatolia**
Çetintürk D., Yiğit N., Çolak E.
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 - 25 November 2022, pp.173
- IV. **Molecular assessment of taxonomic status of pine vole species *Microtus subterraneus* and *Microtus majori* distributed in southeastern Europe and Turkey**
Çetintürk D., Yiğit N., Çolak E.
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 - 25 November 2022, pp.1639
- V. **Discriminative power of *Vkorc1* gene for Anatolian *Rattus* species in the specimens of Ankara University Mammalian Research Collection**
Çetintürk D., Yiğit N., Çolak E.
International Zoological Congress of "Grigore Antipa" Museum, Bucuresti, Romania, 6 - 07 December 2022, pp.33-34
- VI. **Türkiye’de Yayılış Gösteren *Muscardinus avellanarius* Linnaeus,1758 (Mammalia: Rodentia)Populasyonlarında Mitokondriyal DNA NADH Dehidrojenaz Alt Ünite 1 (ND1) Gen Bölgesinin Analizi**
KOCAAY M., SELVİ E., ÇOLAK E.
2nd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2019), 28 - 29 June 2019
- VII. **Kuzey Anadolu ve Trakya’daki *Apodemus Kaup, 1829* (Mammalia: Rodentia) Cinsine Ait TürlerinMitokondriyal DNA Sitokrom b Bölgesi Analizi**
SELVİ E., ŞEKER P. S., KANKILIÇ T., ÇOLAK E.
2nd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019
- VIII. **Determination of molecular phylogeny and genetic structure of *Arvicola amphibius* (Linnaeus, 1758) (Mammalia: Rodentia) distributed in Turkey by mitochondrial DNA cytochrome oxidase subunit I gene**
ŞEKER P. S., SELVİ E., KANKILIÇ T., ÇOLAK E.
2. International UNIDOKAP Black Sea Symposium on Biodiversity, 28 - 30 November 2018
- IX. **On the sequence variations of mitochondrial COI gene in *Microtus arvalis* (Pallas, 1778)**
Çetintürk D., Yiğit N., Çolak E., Markov G., Cirovic D., Marton M.
The Tenth International Zoological Congress of "Grigore Antipa" Museum (CZGA 2018), Bucuresti, Romania, 21 - 24 November 2018
- X. **Comparative Genetic Research on *Microtus levis* (Miller, 1908) Distributed in Asia and Europe Inferred From Mitochondrial Cyt-b and COXI**

Çetintürk D., Yiğit N., Castıgla R., Senczuk G., Çolak E.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018

XI. RODENTS AS A VECTOR OF BIOLOGICAL WARFARE AGENT AND THEIR DISTRIBUTION IN TURKEY

MUTLU EYİSON H., SELVİ E., CEBESÖY S., ÇOLAK E.

International CBRN Congress, 5 - 07 December 2017

XII. FIRST REPORT ON ANTICOAGULANT RODENTICIDE RESISTANCE IN TURKISH NORWAY RAT

YİĞİT N., ÇETİNTÜRK D., ÇOLAK E., DUMAN M. T., GÜL N., SAYGILI YİĞİT F.

Kongre, Varşova, Poland, 25 - 29 September 2017

XIII. First report for anticoagulant rodenticide resistance in Turkish Norway rat

Yiğit N., Çetintürk D., Çolak E., Duman M. T., Gül N., Saygılı Yiğit F.

11th European Vertebrate Pest Management Conference, Warszawa, Poland, 25 - 29 September 2017

XIV. Mitochondrial DNA Variations of Dryomys nitedula (Mammalia: Rodentia) Distributed in Turkey Based on 12S Ribosomal RNA

KANKILIÇ T., ŞEKER P. S., Altunbaş D., KANKILIÇ T., SELVİ E., YİĞİT N., ÇOLAK E.

XIII. Congress of Ecology and Environment With International Participation, Edirne, Turkey, 12 - 15 September 2017, pp.148

XV. A cryptic species model from Turkey: Allactaga (Mammalia: Rodentia)

ÇOLAK R., OLGUN KARACAN G., ÇOLAK E., YİĞİT N., KANDEMİR İ., ÖZKURT Ş. Ö.

12th International Mammalogical Congress Perth, Western Australia, 9 - 14 July 2017

Activities in Scientific Journals

JOURNAL OF ZOOLOGICAL SYSTEMATICS AND EVOLUTIONARY RESEARCH, Editor, 2021 - Continues

TURKISH JOURNAL OF ZOOLOGY, First Editor, 2006 - 2013

Metrics

Publication: 180

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Citation (Scopus): 623

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H-Index (Scopus): 12