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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji A.B.D., Turkey 2014 - 2019

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji - Zooloji, Turkey 2011 - 2014

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Life Sciences, Ecology, Animal Ecology, Animal Biology, Animal Physiology, Population Genetics, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Single hybrid population but multiple parental individuals at the origin of parthenogenetic rock lizards *Darevskia sapphirina* and *D. bendimahiensis* Schmidtler, & Eiselt Darevsky (1994) endemic to the area of Lake Van in East Turkey**
Erdolu M., ŞAHİN M. K., SOMEL M., Yanchukov A.
Molecular Phylogenetics and Evolution, vol.189, 2023 (SCI-Expanded)
- II. **Climatic Niche Divergence and Conservatism Promote Speciation in Snake-Eyed Skinks (Sauria: Scincidae): New Insight into the Evolution and Diversification of *Ablepharus* Species**
Vaissi S., Kurnaz M., ŞAHİN M. K., Hernandez A.
Evolutionary Biology, vol.50, no.2, pp.249-263, 2023 (SCI-Expanded)
- III. **Range dynamics of *Walterinnesia morgani* (Serpentes, Elapidae) during climatic oscillations in Iran**
Gholamifard A., ŞAHİN M. K.
Herpetozoa, vol.36, pp.317-324, 2023 (SCI-Expanded)
- IV. **Coat Polymorphism in Eurasian Lynx: Adaptation to Environment or Phylogeographic Legacy?**
Darul R., Gavashelishvili A., Saveljev A. P., Seryodkin I. V., Linnell J. D. C., Okarma H., Bagrade G., Ornicans A., Ozolins J., Männil P., et al.
Journal of Mammalian Evolution, vol.29, no.1, pp.51-62, 2022 (SCI-Expanded)
- V. **Contributions on the southern distribution of *Vespertilio murinus* Linnaeus, 1758 (Chiroptera:**

Vespertilionidae) from Türkiye

Karataş A., Bulut Ş., Sefali A., Toprak F., Şahin M. K., Özkurt Ş. Ö.

Turkish Journal of Zoology, vol.46, no.5, pp.434-443, 2022 (SCI-Expanded)

- VI. **Hidden Diversity in a Narrow Valley: Description of New Endemic Palearctic Rock Lizard *Darevskia* (Squamata: Lacertidae) Species from Northeastern Turkey**
Kurnaz M., Şahin M. K., Eroğlu A. İ.
Zoological Studies, vol.61, 2022 (SCI-Expanded)
- VII. **Precise paternal ancestry of hybrid unisexual ZW lizards (genus *Darevskia*: Lacertidae: Squamata) revealed by Z-linked genomic markers**
Yanchukov A., Tarkhnishvili D., Erdolu M., Şahin M. K., CANDAN K., Murtskhvaladze M., Gabelaia M., Iankoshvili G., Barateli N., ILGAZ Ç., et al.
Biological Journal of the Linnean Society, vol.136, no.2, pp.293-305, 2022 (SCI-Expanded)
- VIII. **Thermal biology of two sympatric Lacertid lizards (*Lacerta diplochondrodes* and *Parvilacerta parva*) from Western Anatolia**
Şahin M. K., Kuyucu A. C.
Journal Of Thermal Biology, vol.101, no.Ekim, pp.1-8, 2021 (SCI-Expanded)
- IX. **Ecological niche divergence contributes species differentiation in worm lizards (*Blanus* sp.) (Squamata: Amphisbaenia: Blanidae) in Mediterranean part of Anatolian peninsula and the Levantine region**
ŞAHİN M. K., CANDAN K., Caynak E. Y., KUMLUTAŞ Y., ILGAZ Ç.
BIOLOGIA, vol.76, no.2, pp.525-532, 2021 (SCI-Expanded)
- X. **A contribution to the biogeography and taxonomy of two Anatolian mountain brook newts, *Neurergus barani* and *N. strauchii* (Amphibia: Salamandridae) using ecological niche modeling**
Kurnaz M., Şahin M. K.
TURKISH JOURNAL OF ZOOLOGY, vol.45, no.1, pp.54-66, 2021 (SCI-Expanded)
- XI. **Genotypic similarities among the parthenogenetic *Darevskia* rock lizards with different hybrid origins**
Tarkhnishvili D., Yanchukov A., ŞAHİN M. K., Gabelaia M., Murtskhvaladze M., CANDAN K., Galoyan E., Arakelyan M., Iankoshvili G., KUMLUTAŞ Y., et al.
BMC EVOLUTIONARY BIOLOGY, vol.20, no.1, 2020 (SCI-Expanded)
- XII. **Urban Faunal Dynamics of Beytepe Campus, Ankara: Three Case Studies for Vertebrate Animals**
ŞAHİN M. K., AKBABA B., Bulut Ş.
C O M M U N I C A T I O N S FACULTY OF SCIENCES UNIVERSITY OF ANKARA Series C: BIOLOGY, vol.27, pp.45-60, 2018 (SCI-Expanded)
- XIII. **The relation between melanism and thermal biology in a colour polymorphic bush cricket, *Isophya rizeensis***
Kuyucu A. C., Şahin M. K., Çağlar S. S.
JOURNAL OF THERMAL BIOLOGY, vol.71, pp.212-220, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Sexual dimorphism and geographic variation in the bridled skink, *Heremites vittatus* (Oliver, 1804), (Sauria: Scincidae) in Anatolian Peninsula**
ŞAHİN M. K., YILDIRIM CAYNAK E., KUMLUTAŞ Y., CANDAN K., ILGAZ Ç.
UKRAINIAN JOURNAL OF ECOLOGY, vol.12, no.4, pp.1-8, 2022 (Scopus)
- II. **Formal description of the new lizard species inhabiting in Eastern Anatolia, Turkey, Zoological and Entomological Letters**
KURNAZ M., ŞAHİN M. K.
Zoological and Entomological Letters, vol.2, no.1, pp.23-25, 2022 (Peer-Reviewed Journal)
- III. **The Quaternary Range Dynamics of the Dwarf Lizard, *Parvilacerta parva* (Boulenger, 1887) (Squamata, Lacertidae) in the Anatolian Peninsula**

Sahin M. K., KUMLUTAŞ Y., Yanchukov A., Cetintas O., CANDAN K., ILGAZ Ç., AYAŞ Z.

JOURNAL OF WILDLIFE AND BIODIVERSITY, vol.6, no.1, pp.79-86, 2022 (ESCI)

- IV. **Unusual Winter Activity Observations of Two Newt Species (*Ommatotriton ophryticus* & *Triturus ivanbureschi*) from the Anatolian Peninsula**
KURNAZ M., ŞAHİN M. K.
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.7, no.2, pp.337-342, 2021 (Peer-Reviewed Journal)
- V. **Contribution to the taxonomic knowledge of *Acanthodactylus* (Squamata, Lacertidae): Description of a new lacertid lizard species from Eastern Anatolia, Turkey**
KURNAZ M., ŞAHİN M. K.
JOURNAL OF WILDLIFE AND BIODIVERSITY, vol.5, no.3, pp.100-119, 2021 (ESCI)
- VI. **Unusual mating behavior of *Apathya cappadocica* in the winter season from southeastern Anatolia**
ŞAHİN M. K.
Scientific Reports in Life Sciences, vol.2, no.2, pp.49-53, 2021 (Peer-Reviewed Journal)
- VII. **The potential distribution and a new locality record of Roughtail Rock Agama (*Stellagama stellio*) from northwestern Anatolia**
ŞAHİN M. K.
Scientific Reports in Life Sciences, vol.2, no.2, pp.39-48, 2021 (Peer-Reviewed Journal)
- VIII. **NEW LOCALITY RECORDS FOR *Eumeces schneiderii* (Daudin, 1802) AND *Trapelus ruderatus* (Olivier, 1804) WITH THE MORPHOLOGICAL DATA FROM EASTERN ANATOLIA, TURKEY**
ŞAHİN M. K., KURNAZ M.
Communications/ Faculty of Sciences University of Ankara Series C: Biology and Geological Engineering and Geophysical Engineering, vol.30, no.1, pp.47-56, 2021 (Peer-Reviewed Journal)
- IX. **New locality record extending the distribution of the Glossy-bellied racer snake *Platyceps ventromaculatus* (Gray, 1834) in the Southeastern Anatolia**
ŞAHİN M. K., Geçit M., YILDIZ M. Z.
Journal of Animal Diversity, vol.2, no.4, pp.55-68, 2021 (Peer-Reviewed Journal)
- X. **Terrestrial Vertebrate Fauna of Beytepe Campus, Hacettepe University**
Şahin M. K., Akbaba B., Bulut Ş., Ayaş Z.
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, no.1, pp.43-55, 2021 (Peer-Reviewed Journal)
- XI. **Ekolojik Risk Değerlendirmede Ekotoksikogenomik Kavramı ve Verdiği Katkılar**
ŞAHİN M. K.
Türk Doğa ve Fen Dergisi, vol.9, pp.144-161, 2020 (Peer-Reviewed Journal)
- XII. **Sexual Dimorphism In Spiny - tailed Lizard, *Darevskia rudis* (Bedriaga, 1886) (Sauria: Lacertidae), from Northeastern Anatolia, Turkey**
ŞAHİN M. K., KUMLUTAŞ Y., ILGAZ Ç.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.20, no.4, pp.551-557, 2020 (Peer-Reviewed Journal)
- XIII. **KARYOTYPE ANALYSIS OF *NANNOSPALAX XANTHODON* (SPALACIDAE, RODENTIA) AT THE EASTERNMOST PART OF ITS DISTRIBUTION RANGE**
YANCHUKOV A., Kandaurov A., ŞAHİN M. K., MATUR F.
Communications/ Faculty of Sciences University of Ankara Series C: Biology and Geological Engineering and Geophysical Engineering, vol.29, no.1, pp.61-70, 2020 (Peer-Reviewed Journal)
- XIV. **Data on nocturnal activity of *Darevskia rudis* (Bedriaga, 1886) (Sauria: Lacertidae) in Central Black Sea Region, Turkey**
AFSAR M., ŞAHİN M. K., AFSAR B., ÇİÇEK K., TOK C. V.
Ecologica Montenegrina, vol.19, pp.125-129, 2018 (Scopus)
- XV. **Evaluation of The Reptilian Fauna in Amasya Province, Turkey with New Locality Records**
ŞAHİN M. K., AFSAR M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.4, pp.1007-1020, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Current EUNIS Habitat preferences of *Darevskia derjuguni* and its possible fates under different future climate scenarios**
ŞAHİN M. K., KURNAZ M.
5TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES (EURASIANBIOCHEM 2022), Ankara, Turkey, 23 November 2022
- II. **Distribution Patterns and Habitat Preferences for the Anatolian Endemic Lizard, *Lacerta pamphylica* in Mediterranean Biodiversity Hotspot**
ŞAHİN M. K., KURNAZ M.
4. Uluslararası Tarım, Çevre ve Sağlık Kongresi, Turkey, 20 - 22 May 2021
- III. **Assessing urban population of spur-thighed tortoise, (*Testudo graeca*) by habitat use and annual patterns between 2012 - 2019**
ŞAHİN M. K.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 19 - 20 March 2020
- IV. **Molecular phylogeny of Valentin Lizard, *Darevskia valentini* (Boettger, 1892) reveals new genetic lineages and may suggest taxonomic reconstruction**
CANDAN K., KORNILOS P., YANCHUKOV A., KUMLUTAŞ Y., AYAZ D., TARKHNISHVILI D., MURTSKHVALADZE M., KURDADZE S., BARATELI N., GABELAIA M., et al.
XX. European Congress of Herpetology, Milan, Italy, 2 - 06 September 2019
- V. **Microsatellite genotypes of seven hybridogenetic unisexual species of rock lizard and their putative bisexual parents (Genus: *Darevskia* sp.) suggest complex patterns of hybrid ancestry**
TARKHNISHVILI D., YANCHUKOV A., MURTSKHVALADZE M., KURDADZE S., BARATELI N., GABELAIA M., ŞAHİN M. K., CANDAN K., KUMLUTAŞ Y., ILGAZ Ç., et al.
XX. European Congress of Herpetology, Milan, Italy, 2 - 06 September 2019
- VI. **Structure of Ancestral and Modern Populations in Bisexual and Parthenogenetic Lizards of Genus *Darevskia* in East Anatolia and Caucasus**
ERDOLU M., ŞAHİN M. K., BARATELI N., MAURTSKHVALADZE M., KUMLUTAŞ Y., ILGAZ Ç., ÇOLAK F., MATUR F., CANDAN K., TARKHNISHVILI D., et al.
Ecology and Evolution Biology Symposium, Ankara, Turkey, 10 - 12 June 2019
- VII. **The relation between melanism and thermal biology in a colour polymorphic bush cricket, *Isophya rizeensis*.**
KUYUCU A. C., ŞAHİN M. K., ÇAĞLAR S. S.
Australian Entomological Society 49th AGM Scientific Conference, 23 - 26 September 2018
- VIII. **Partial coincidence of microsatellite genotypes suggests a possible role of backcrosses in diversification of parthenogenetic rock lizards**
Tarkhnishvili D., YANCHUKOV A., ŞAHİN M. K., CANDAN K., ILGAZ Ç., KUMLUTAŞ Y., Kurdadze S., Barateli N., ÇOLAK F., Murtskhvaladze M.
5th Ecology and Evolutionary Biology Symposium, İzmir, Turkey, 18 - 20 July 2018
- IX. **First steps to resolve reticulate speciation process in bisexual and parthenogenetic lizards of genus *Darevskia* in East Anatolia and Caucasus**
ERDOLU M., BARATELI N., MAURTSKHVALADZE M., ŞAHİN M. K., KUMLUTAŞ Y., ILGAZ Ç., MATUR F., CANDAN K., ÇOLAK F., TARKHNISHVILI D., et al.
5th Ecology and Evolutionary Biology Symposium, İzmir, Turkey, 18 - 20 July 2018
- X. **Nocturnal activity of *Darevskia rudis* in Central Black Sea Region, Turkey**
AFSAR M., AFSAR B., ŞAHİN M. K., ÇİÇEK K., TOK C. V.
INTERNATIONAL ECOLOGY 2018 SYMPOSIUM, Kastamonu, Turkey, 19 - 23 June 2018
- XI. **Climate vulnerability of some Turkish lizard families and alteration potentials of their habitats**
ŞAHİN M. K.
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April

2018

- XII. **A geographic variation assessment for dwarf lizard's Mediterranean populations**
ŞAHİN M. K., KUMLUTAŞ Y., AYAŞ Z.
7th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018
- XIII. **Thermal interactions drive unusual hibernation activity of *Ablepharus kitaibelii* in Hacettepe University, Beytepe Campus**
ŞAHİN M. K., AYAŞ Z.
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- XIV. **Organic Threats for Endemic and Rare Herpetile Species.**
ŞAHİN M. K., AKBABA B., Bulut Ş.
IV. International Biocidal Congress, Antalya, Turkey, 25 March 2018, pp.142
- XV. **The Effects of Chemical Applications in Agriculture On Farmland Birds**
Bulut Ş., AKBABA B., ŞAHİN M. K.
IV. International Biocidal Congress, Antalya, Turkey, 25 March 2018, pp.143
- XVI. **Effects of Red-eared Slider Invasion in Beytepe Campus (Hacettepe University), Ankara**
ŞAHİN M. K., AYAŞ Z.
Çanakkale Onsekiz Mart University ISEEP-2017 VIII. International Symposium On Ecology And Environmental Problems, 4 - 07 October 2017
- XVII. **Threaten to local ecosystem dynamics: Red-eared Slider Case in Beytepe Campus (Hacettepe University), Ankara, Turkey**
ŞAHİN M. K., AYAŞ Z.
II. Workshop On Invasive Species: Global meeting on invasion ecology, 27 - 29 September 2017
- XVIII. **Yarı Kentsel Bir Alan Olan Beytepe Yerleşkesinin (Hacettepe Üniversitesi) Faunal Dinamikleri Üzerine Araştırmalar**
ŞAHİN M. K., AYAŞ Z.
Ankara Üniversitesi 5. Çevre Günleri Uluslararası Sempozyum "İnsanların Doğayla Kenetlenmesi - Kentte Ve Doğal Alanda, Kutuplardan Ekvatora, 8 - 09 June 2017
- XIX. **Yarı-kentsel alanlarda herpetolojik çeşitlilik: Hacettepe Üniversitesi – Beytepe Yerleşkesi Örneği**
ŞAHİN M. K., AYAŞ Z.
4. Ulusal(Uluslararası Katılımlı) Biyologlar Dayanışma Kongresi, Turkey, 06 May 2017
- XX. **Yarı Kentsel Alanlarda Yapay Sığınak Kullanımı ile Sürünge Aktivitesinin Değerlendirilmesi**
ŞAHİN M. K., AYAŞ Z.
Ulusal Uygulamalı Biyolojik Bilimler Kongresi, Konya, Turkey, 26 - 29 December 2016
- XXI. **Yarı Kentsel Bir Alanda İnce Kertenkelenin (*Ablepharus kitaibelii* Bibron Bory, 1833) Mevsimlere Göre Habitat Tercih ve Günlük Aktivite Deseni**
ŞAHİN M. K., AYAŞ Z.
23. Ulusal Biyoloji Kongresi, Turkey, 5 - 09 September 2016

Supported Projects

AYAŞ Z., AKBABA B., BULUT Ş., ŞAHİN M. K., Project Supported by Higher Education Institutions, *Parvilacerta parva* (Arnold, Arribas & Carranza, 2007) populasyonlarının Türkiye geneli coğrafik varyasyonlarının araştırılması, 2017 - 2017

CANBOLAT A. F., AKBABA B., ŞAHİN M. K., Project Supported by Higher Education Institutions, Belek Özel Çevre Koruma Bölgesi (Antalya) Kumsallarına Yuva Yapan İribaslı Deniz Kaplumbagalarında (*Caretta caretta*) Yuva Sıcaklığının Yavru Cinsiyeti ve Yuva Başarısı Üzerine Etkisinin İncelenmesi, 2015 - 2016

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