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International Researcher IDs

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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Zootečni (Dr), Turkey 2012 - 2019

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Zootečni (YI) (Tezli), Turkey 2009 - 2012

Undergraduate, Ondokuz Mayıs University, Ziraat Fakültesi, Ziraat Mühendisliği Bölümü, Turkey 2004 - 2008

Dissertations

Doctorate, KAFKAS ARI IRKI (*Apis mellifera caucasica* Gorbatshev)'NDA HİJYENİK DAVRANIŞ FENOTİPİNİN DÖRDÜNCÜ VE BEŞİNCİ GENERASYONLARDAKİ DEĞİŞİM DÜZEYİ VE KİMİ İSLAH PARAMETRELERİNİN BELİRLENMESİ, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Zootečni (Dr), 2019

Postgraduate, Kafkas arı ırkı (*Apis mellifera caucasica* Gorbatshev)'nın hijyenik davranış düzeyinin belirlenmesi üzerinde bir araştırma, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Zootečni (YI) (Tezli), 2012

Research Areas

Agricultural Sciences, Agriculture, Animal Husbandry, Bee and silk beetle

Academic Titles / Tasks

Assistant Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Zootečni Bölümü, 2019 - Continues

Research Assistant, Ondokuz Mayıs University, Lisansüstü Eğitim Enstitüsü, Zootečni Anabilim Dalı, 2012 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

1. Use of *Dicranum polysetum* extract against *Paenibacillus* larvae causing American Foulbrood under in vivo and in vitro conditions
ALPAY KARAOĞLU Ş., Bıyık S., Nisbet C., Akpınar R., Bozdeveci A., SUYABATMAZ Ş., Guler A., Kaya S., Yesilyurt A.,

BATAN N., et al.

INTERNATIONAL MICROBIOLOGY, vol.26, no.4, pp.1087-1101, 2023 (SCI-Expanded)

- II. **The effects of instrumental insemination on selected and unselected breeding characteristics in honeybee (*Apis mellifera* L.)**
Guler A., Önder H., Kavak G., Toktay G., Ugurlutepe E., Bıyık S., Aydın A.
APIDOLOGIE, vol.53, no.4, 2022 (SCI-Expanded)
- III. **Effects of different environmental conditions on the cognitive function of honeybee (*Apis mellifera* L.) and mineral content of honey**
Nisbet C., Guler A., Bıyık S.
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.66, no.1, pp.95-101, 2019 (SCI-Expanded)
- IV. **Effects of Feeding Honey Bees (*Hymenoptera: Apidae*) With Industrial Sugars Produced by Plants Using Different Photosynthetic Cycles (Carbon C-3 and C-4) on the Colony Wintering Ability, Lifespan, and Forage Behavior**
Guler A., EKİNCİ D., Bıyık S., Garipoğlu A. V., Önder H., Kocaokutgen H.
JOURNAL OF ECONOMIC ENTOMOLOGY, vol.111, no.5, pp.2003-2010, 2018 (SCI-Expanded)
- V. **Comparing Biochemical Properties of Pure and Adulterated Honeys Produced By Feeding Honeybees (*Apis mellifera* L.) Colonies with Different Levels of Industrial Commercial Sugars([1])**
Guler A., Garipoğlu A. V., Önder H., Bıyık S., Kocaokutgen H., EKİNCİ D.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.23, no.2, pp.259-268, 2017 (SCI-Expanded)
- VI. **Carbonic anhydrase from *Apis mellifera*: purification and inhibition by pesticides**
Soydan E., Guler A., Bıyık S., ŞENTÜRK M., Supuran C. T., EKİNCİ D.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.32, no.1, pp.47-50, 2017 (SCI-Expanded)
- VII. **Origin Estimation of Honey Samples by Using Constant and Discriminative Function Coefficients of Pure Honey and Honey Produced by Colonies Feeding with Different Sugars**
Önder H., Guler A., Bıyık S., EKİNCİ D., Garipoğlu A. V., Kocaokutgen H.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.22, no.1, pp.21-28, 2016 (SCI-Expanded)
- VIII. **Detection of adulterated honey produced by honeybee (*Apis mellifera* L.) colonies fed with different levels of commercial industrial sugar (C-3 and C-4 plants) syrups by the carbon isotope ratio analysis**
Guler A., Kocaokutgen H., Garipoğlu A. V., Önder H., EKİNCİ D., Bıyık S.
FOOD CHEMISTRY, vol.155, pp.155-160, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparative Morphological Analysis of Honey Bees (*Apis mellifera* L.) from the Western and Central Black Sea Region, with Emphasis on Natural Diversity**
Kuvancı A., Cımbırtoğlu Ş., GÜL A., Akdeniz G., Eren İ., Günbey B., Okuyan S., BIYIK S., Aydın A., KAVAK G., et al.
Bee Studies, vol.15, no.1, pp.25-35, 2023 (Peer-Reviewed Journal)
- II. **Classification of the Provinces of the Black Sea Region in Terms of Beekeeping**
ABACI N. İ., ABACI S. H., BIYIK S.
Bee Studies- Apiculture Research Institute, vol.13, no.2, pp.51-55, 2021 (Peer-Reviewed Journal)
- III. **A Model for Determining the Interactions Between some Honey Bee (*Apis mellifera* L.) Genotypes and Different Grooming Times in Terms of Aggression**
ABACI S. H., BIYIK S.
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.9, no.2, pp.446-451, 2021 (Peer-Reviewed Journal)
- IV. **Türkiye'deki Koloni Sayısının ve Bal Veriminin Tahmini**
ABACI N. İ., ABACI S. H., BIYIK S.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.8, no.2, pp.464-470, 2020 (Peer-Reviewed Journal)
- V. **SON YILLARDA GÖRÜLEN KOLONİ KAYIPLARI VE MUHTEMEL SEBEPLERİ**

Books & Book Chapters

- I. **İKLİM DEĞİŞİKLİĞİNİN BAL ARISI (*Apis mellifera* L.) ÜRÜNLERİ VE YETİŞTİRİCİLİĞİNE ETKİSİ**
BIYIK S.
in: HAYVANSAL ÜRETİM VE İKLİM DEĞİŞİKLİĞİ, TÜFEKÇİ Hacer, Editor, IKSAD INTERNATIONAL PUBLISHING HOUSE, pp.299-324, 2022
- II. **Bölüm 21 Ardahan Yöresi Arısının (*Apis mellifera caucasica* G.) Anadolu ve Diğer Bazı Arı Irkları İle Morfolojik, Davranış, Performans ve Üreme Özellikleri Yönünden Karşılaştırılması**
GÜLER A., YAZICI K., BIYIK S., KAVAK G., AYDIN A., UĞURLUTEPE E., KAFTANOĞLU O.
in: ARDAHAN DEĞERLEMELERİ 1 SOSYO-POLİTİK, KÜLTÜREL VE İKDİSADİ BAĞLAMDA DEĞERLER, POTANSİYELLER VE YAKLAŞIMLAR, Doç. Dr. İhsan KURTBAŞ, Editor, NOBEL BİLİMSEL ESERLER, pp.519-532, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Forecast for Future Periods of the Number of Colonies and Honey Yield in Turkey**
ABACI N. İ., ABACI S. H., BIYIK S.
I. International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Antalya, Turkey, 8 - 10 November 2019, pp.642
- II. **DETERMINATION THE EFFECT OF BREEDING ON HYGIENIC BEHAVIOR IN HONEY BEES BY PROBIT REGRESSION**
BOYLU D., ÖNDER H., TIRINK C., GÜLER A., BIYIK S.
International Congress on Domestic Animal Breeding, Genetics and Husbandry 2019 (ICABGEH-19), 11 - 13 October 2019
- III. **Reliable registered method for determination of pure and indirect adulterated honey produced by feeding bee colonies (*Apis mellifera* L.) with industrial sugars (BAL-KAY)**
GÜLER A., ÖNDER H., BIYIK S.
10th International Animal Science Conference, 25 - 27 October 2018, pp.538-544
- IV. **The Effects of Some Commercial Preparations Used for Treatment of Honey Bee Diseases on Varroa Efficiency and Colony Performance**
GÜLER A., BIYIK S., KAVAK G.
6th International Muğla Beekeeping and Pine Honey Congress, Muğla, Turkey, 15 October 2018, pp.2
- V. **Examining of World Honey Exports by Social Network Analysis.**
ÇANKAYA N., BIYIK S., ABACI N. İ., AYDOĞAN M., DEMİRYÜREK K.
International Congress on Domestic Animal Breeding, Genetics and Husbandry (ICABGEH-18), Antalya, Turkey, 26 September 2018 - 28 September 2019, pp.213
- VI. **Examining of World Honey Exports by Social Network Analysis**
ÇANKAYA N., BIYIK S., ABACI N. İ., AYDOĞAN M., DEMİRYÜREK K.
International Congress on Domestic Animal Breeding Genetics and Husbandry 2018, Antalya, Turkey, 26 - 28 September 2018, pp.213
- VII. **The importance and effects of Industrial sugars on honeybee (*Apis mellifera*, Hymenoptera: Apidae) colony feeding**
GÜLER A., EKİNCİ D., BIYIK S., GARİPOĞLU A. V., ÖNDER H., KOCAOKUTGEN H.
45. Apimondia International Apicultural Congress, İstanbul, Turkey, 29 September - 04 October 2017, vol.1, pp.39
- VIII. **Reliable registered method for determination of pure and adulterated honey produced by feeding bee colonies with industrial sugars**

GÜLER A., ÖNDER H., BIYIK S.

45. Apimondia International Apicultural Congress, İstanbul, Turkey, 29 September - 04 October 2017, vol.1, pp.106

- IX. **The Main Breeding Problems of Turkish Apicultural Production Politics and Planning of the Future**
GÜLER A., BIYIK S., KAVAK G., AYDIN A.
5th International Muğla Beekeeping and Pine Honey Congress, 1 - 05 November 2016
- X. **Methods of Determining The Hygienic Behaviour of Honey Bee *Apis mellifera* L Colonies**
BIYIK S., GÜLER A.
5th International Muğla Beekeeping and Pine Honey Congress, 1 - 05 November 2016
- XI. **The Effects Various Industrial Sugar Syrups Feeding on The Honey Bee *Apis mellifera* Hymenoptera Apidae Colony Performances Forage Behaviour and Lifespan**
GÜLER A., EKİNCİ D., BIYIK S., GARİPOĞLU A. V., ÖNDER H., KOCAOKUTGEN H.
5th International Muğla Beekeeping and Pine Honey Congress, 1 - 05 November 2016
- XII. **Colony Losses in Recent Years and Possible Reasons**
KAVAK G., BIYIK S., GÜLER A.
5th International Muğla Beekeeping and Pine Honey Congress, 1 - 05 November 2016
- XIII. **Origin Estimation of Unknown Honey Samples by Using Constant and Discriminative Function Coefficients of pure and Adulterated Honeys Produced by Bee *Apis mellifera* L Colonies Fed with Different Syrup Levels of Commercial Sugars**
GÜLER A., ÖNDER H., BIYIK S., EKİNCİ D., GARİPOĞLU A. V., KOCAOKUTGEN H.
5th International Muğla Beekeeping and Pine Honey Congress, 1 - 05 November 2016
- XIV. **The effects of industrial toxic exposures proximity on the development of honeybee Colonies and honey content 2nd International Congress of Forensic Toxicology**
NİSBET C., GÜLER A., ARDALI Y., BIYIK S.
2nd International Congress of Forensic Toxicology, 27 - 30 May 2016
- XV. **THE EFFECTS OF INDUSTRIAL TOXIC EXPOSURES PROXIMITY ON THE DEVELOPMENT OF HONEYBEE COLONIES AND HONEY CONTENTY**
NİSBET C., GÜLER A., ARDALI Y., BIYIK S.
2th INTERNATIONAL CONGRESS OF FORENSIC TOXICOLOGY, 26 - 30 May 2016
- XVI. **Determining Optimal Distance Measure to Classificate Honey Bee *Apis mellifera* L Subspecies İn Principal Coordinate Analysis**
ABACI S. H., ÖNDER H., GÜLER A., BIYIK S.
The 8th Conference of Eastern Mediterranean Region of International Biometric Society, 11 - 15 May 2015
- XVII. **Determining Optimal Distance Measure to Classificate Honey Bee (*Apis mellifera* L.) Subspecies in Principal Coordinate Analysis**
ABACI S. H., ÖNDER H., GÜLER A., BIYIK S.
8th Conference of the Eastern Mediterranean Region of the International Biometric Society, Nevşehir, Turkey, 11 - 15 May 2015, pp.102
- XVIII. **The Effect Of Environment Change On the Development of Honey Bee Colonies and Honey Content**
NİSBET C., GÜLER A., ARDALI Y., BIYIK S.
II International VETİstanbul Group Congress, 7 - 09 April 2015
- XIX. **Proline And Vitamin Content of Pure and Adultrated Honeys Obtained Via Feeding Honeybee *Apis mellifera* L Colonies With Industrial Sugar Syrups**
GÜLER A., KOCAOKUTGEN H., GARİPOĞLU A. V., ÖNDER H., EKİNCİ D., BIYIK S.
12 th Asian Apicultural Association Conference, 24 - 27 April 2014
- XX. **Change In Dead Pupa Removal of Honey Bee *A m caucasica* L Colonies in Some Generations**
GÜLER A., GENÇ O., NİSBET C., KONAK F., ESSE H., ÖZTÜRK S. H., GÜNBEY B., BIYIK S.
12 th Asian Apicultural Association Conference, 24 - 27 April 2014
- XXI. **Change in dead pupa removal of honey bee *A M Caucasia* G colonies in some generations**
GÜLER A., GENÇ O., NİSBET C., KONAK F., HS E., ÖZTÜRK H., BIYIK S.
12th Asian Apicultural Association Conference, Antalya, Turkey, 24 - 27 April 2014
- XXII. **Change level of hygienic behaviour in the caucasian honey bee *A M Caucasia* G subspecies**

GÜLER A., BEK Y., GENÇ O., NİSBET C., KONAK F., HS E., ÖZTÜRK H., GÜNBEY B., BIYIK S.

43. International Apicultural Congress, KİYEY, Ukraine, 29 September - 04 October 2013

XXIII. Change Level Of Hygienic Behaviour In The Caucasian Honey Bee A m Caucasica G Subsspecies

GÜLER A., BEK Y., GENÇ O., NİSBET C., HASAN E., KONAK F., SEYİT HASAN Ö., BELGİN G., BIYIK S.

XXXXIII International Apicultural Congress, 29 September - 04 October 2013

XXIV. Comparing Honeys Produced From Bee Colonies Fed With Different Levels Of Industrial Sugar Syrups According To The Isotope Ratios 13C 12c

GÜLER A., KOCAOKUTGEN H., GARİPOĞLU A. V., ÖNDER H., EKİNCİ D., BIYIK S.

XXXXIII International Apicultural Congress, 29 September - 04 October 2013

XXV. Muğla Arısının Türkiye ve Dünyadaki Ticari Bazı Arı (Apis mellifera L.) Irkları İle Morfolojik, Davranış, Performans ve Üreme Özellikleri Yönünden Karşılaştırılması

GÜLER A., ARSLAN S., ALPAY H., BIYIK S.

3. Uluslararası Muğla Arıcılık ve Çam Balı Kongresi, Muğla, Turkey, 01 November 2012, pp.101-112