

# Prof. NURAY ŞAHİNLER

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## Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Zootekni (Dr), Turkey 1992 - 1998

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Zootekni (YI) (Tezli), Turkey 1989 - 1992

Undergraduate, Van Yüzüncü Yil University, Ziraat Fakültesi, Zootekni Bölümü, Turkey 1984 - 1988

## Dissertations

Doctorate, Çukurova bölgesi koşullarında kafkas (*Apis mellifera caucasica*), Muğla (*Apis mellifera anatolica*) ve Karniol (*Apis mellifera carnica*) arı genotiplerinde arı sütü üretim yöntemleri üzerine bir araştırma, Cukurova University, Fen Bilimleri Enstitüsü, Zootekni (Dr), 1998

Postgraduate, Larva ve yumurta transferinin anaarı (*Apis mellifera*) kalitesi üzerine etkileri, Cukurova University, Fen Bilimleri Enstitüsü, Zootekni (YI) (Tezli), 1993

## Academic Titles / Tasks

Professor, Usak University, Ziraat Ve Doğa Bilimleri Fakültesi, Zootekni Bölümü, 2013 - Continues

Professor, Hatay Mustafa Kemal University, Ziraat Fakültesi, Zootekni Bölümü, 2011 - 2013

Associate Professor, Hatay Mustafa Kemal University, Ziraat Fakültesi, Zootekni Bölümü, 2006 - 2011

Assistant Professor, Hatay Mustafa Kemal University, Ziraat Fakültesi, Zootekni Bölümü, 1999 - 2006

Research Assistant, Hatay Mustafa Kemal University, Ziraat Fakültesi, Zootekni Bölümü, 1993 - 1999

Research Assistant, Harran University, Ziraat Fakültesi, Zootekni Bölümü, 1989 - 1993

## Academic and Administrative Experience

Usak University, 2013 - Continues

Usak University, 2013 - Continues

Usak University, 2017 - 2019

Usak University, 2016 - 2017

Usak University, 2013 - 2016

Usak University, 2013 - 2016

## Courses

Hayvan Yetiştirme İlkeleri, Undergraduate, 2013 - 2014

Hayvan Ekolojisi, Undergraduate, 2013 - 2014

## Advising Theses

- NURAY Ş., Tunceli ilinde arıcılığın yapısal analizi, sorunları ve çözüm önerileri, Postgraduate, H.RAHMİ(Student), 2008
- NURAY Ş., Türkiye'de üretilen bazı balların yapısal özelliklerinin gıda güvenliği bakımından araştırılması, Doctorate, A.GÜL(Student), 2008
- NURAY Ş., Hatay yöresi koşullarında Muğla (*Apis mellifera anatolica*), İtalyan (*Apis mellifera ligustica*) ve karniyol (*Apis mellifera carnica*) arı genotiplerinde bazı fizyolojik ve davranışsal özelliklerinin karşılaştırılması üzerine bir araştırma, Postgraduate, A.GÜL(Student), 2003

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of diluents and plasma on honey bee (*Apis mellifera* L.) drone frozen-thawed semen fertility**  
Gül A., ŞAHİNLER N., Onal A. G., Hopkins B. K., Sheppard W. S.  
Theriogenology, vol.101, pp.109-113, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Chemical Structure and Antifungal Activity of Aegean Region of Propolis in Türkiye**  
Türk M. U., SAHINLER N., DİNLER H.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.12, pp.2571-2582, 2022 (Peer-Reviewed Journal)
- II. **The Importance of Some Animal Products for Nutrition and Health#**  
ALAPALA DEMİRHAN S., SAHINLER N.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.sp1, pp.2696-2700, 2022 (Peer-Reviewed Journal)
- III. **Bees in Pollination and the Effect of Global Warming on Bees**  
SAHINLER N., Toy N.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.sp1, pp.2882-2887, 2022 (Peer-Reviewed Journal)
- IV. **Quality Parameters of Honey, an Important Bee Product**  
Toy N., SAHINLER N.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.sp1, pp.2841-2847, 2022 (Peer-Reviewed Journal)
- V. **The Global Epidemic and Effects on Turkey Livestock**  
ALAPALA DEMİRHAN S., SAHINLER N.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.sp1, pp.2691-2695, 2022 (Peer-Reviewed Journal)
- VI. **Evaluation of Turkish Beekeeping from 2000 Years to the Present**  
SAHINLER N., Toy N.  
Türk Tarım - Gıda Bilim ve Teknoloji dergisi, vol.10, no.1, pp.86-91, 2022 (Peer-Reviewed Journal)
- VII. **Uşak ilinde arı ürünlerinin tüketim durumları**  
ŞAHİNLER N., TOY N. Ö., ÇETİNKAYA S.  
MUSTAFA KEMAL UNIVERSITY JOURNAL OF AGRICULTURAL SCIENCES (MKUJAS), vol.26, no.1, pp.155-162, 2021 (Peer-Reviewed Journal)
- VIII. **Avrupa Birliği Uyum Süreci Kapsamında Türkiye'de Hayvancılık Faaliyetleri ve Hayvancılıkla İlgili Politikaların Değerlendirilmesi**  
ŞAHİNLER N.  
City Journal of Science and Natural Sciences, vol.1, pp.11-27, 2020 (Peer-Reviewed Journal)
- IX. **Arı Sütü Miktarının Tahminine Yönelik Olarak Elde Edilen Kategorik Verilerin Bulanık Aralık Regresyon Modeli İle Analizi**

TOPUZ D., ŞAHİNLER N.

TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.7, no.2, pp.471-479, 2020 (Peer-Reviewed Journal)

- X. **The investigation of possibility of propolis as additives in alfaalfa silages**  
DURU A., BARIT M., TÜRK M. U., ŞAHİNLER N.  
International Journal of Agriculture, Forestry and Life Sciences, vol.3, no.2, pp.207-212, 2019 (Peer-Reviewed Journal)
- XI. **Effects Of Global Warming On Animal Breeding**  
ALAPALA DEMİRHAN S., ŞAHİNLER N.  
International Journal Of Agriculture, Forestry And Life Sciences, vol.3, no.1, pp.157-160, 2019 (Peer-Reviewed Journal)
- XII. **The investigation of possibility of propolis as additives in alfaalfa silages**  
ŞAHİNLER N.  
International Journal of Agriculture, Forestry and Life Sciences, vol.3, no.2, pp.207-212, 2019 (Peer-Reviewed Journal)
- XIII. **The Effect of Honeybee Pollination on Productivity and Quality of Strawberry**  
Çolak A. M., SAHINLER N., İSLAMOĞLU M.  
Alnteri Ziraat Bilimler Dergisi, vol.32, no.2, pp.87-90, 2017 (Peer-Reviewed Journal)
- XIV. **Heavy Metals and Trace Elements Content of Different Propolis Types**  
ŞAHİNLER N., GÜL A., ŞAHİNLER S.  
European International Journal of Science and Techonogy, vol.6, no.3, pp.21-25, 2017 (Peer-Reviewed Journal)
- XV. **Investigation of Different Botanical Origin of Honey Types with Respect to Food Safety**  
GÜL A., ŞAHİNLER N.  
American Research Journal of Agriculture, vol.3, no.1, 2017 (Peer-Reviewed Journal)
- XVI. **Possibilities Of Using Natural Methods In Fighting Diseases And Pests In Organic Bee Keeping**  
ALAPALA DEMİRHAN S., ŞAHİNLER N.  
International Journal of Agriculture and Environmental Research, vol.2, no.6, pp.1909-1920, 2016 (Peer-Reviewed Journal)
- XVII. **Küresel Isınma ve Arıcılığın Geleceği**  
ŞAHİNLER N.  
MKÜ Ziraat Fakültesi Dergisi, vol.21, no.1, pp.15-20, 2016 (Peer-Reviewed Journal)
- XVIII. **Hayvancılıkta İş Sağlığı Ve Güvenliği**  
ALAPALA DEMİRHAN S., ÇELEN B., ÇELEN M. F., ŞAHİNLER N.  
Nevşehir Bilim ve Teknoloji Dergisi, vol.8, no.4, pp.303-314, 2016 (Peer-Reviewed Journal)
- XIX. **Turkish propolis biological activities and uses area**  
ŞAHİNLER N., YÜCEL B.  
Works of the Faculty of Agriculture University of Sarajevo, vol.61, no.66(1), pp.82-85, 2016 (Peer-Reviewed Journal)
- XX. **A research on determination of the technical and structural characteristics of beekeeping in Konya**  
CEYLAN D. A., ŞAHİNLER N.  
Journal of Agroalimentary Processes and Technologies, vol.22, no.2, pp.121-126, 2016 (Peer-Reviewed Journal)
- XXI. **The mixed honey harvesting in Turkey effects on quality marketing and standardization**  
YÜCEL B., ŞAHİNLER N.  
OF THE FACULTY OF AGRICULTURE AND FOOD SCIENCESUNIVERSITY OF SARAJEVO, vol.66, no.1, pp.8992, 2016 (Peer-Reviewed Journal)
- XXII. **KURESEL ISINMANIN BALARILARI UZERINE OLASI ETKILERİ.**  
ŞAHİNLER N., Yörük A.  
Uludağ Arıcılık Dergisi, vol.13, no.2, pp.87-79, 2013 (Peer-Reviewed Journal)
- XXIII. **Hatay yöresi ballarının bileşimi ve biyokimyasal analizi**  
ŞAHİNLER N., ŞAHİNLER S., GÜL A.  
MKÜ Ziraat Fakültesi Dergisi, vol.6, pp.93-108, 2001 (Peer-Reviewed Journal)

## XXIV. Arı Ürünleri ve İnsan Sağlığı Açısından Önemi

ŞAHİNLER N.

M.K.Ü. Ziraat Fakültesi Dergisi,, vol.5, no.1-2, pp.139-148, 2000 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **BALARILARINDA SONBAHAR BAKIMI VE KIŞLATMA**  
ŞAHİNLER N., ALAPALA DEMİRHAN S., TOY N. Ö.  
in: Arı ve Arıcılık, Doç. Dr. Yaşar ERDOĞAN Dr. Öğr. Üyesi Yahya Yasin YILMAZ, Editor, İKSAD, Ankara, pp.51-63, 2022
- II. **THE EFFECTS OF GLOBAL WARMING ON FARM ANIMAL PRODUCTION AND THE EFFECTS OF FARM ANIMALS ON GLOBAL WARMING**  
ALAPALA DEMİRHAN S., ŞAHİNLER N.  
in: A LOOK INTO SOME RECENT ADVANCES IN BIOLOGY, ECOLOGY AND AGRICULTURAL PRACTICES, Prof. Dr. Ozlem TONCER; Lecturer Zubeyir GUNES, Editor, İKSAD, Ankara, pp.113-131, 2022
- III. **ARI ÜRÜNLERİNDEN OLAN BAL, BAL MUMU, POLENİN KULLANIM ALANLARI**  
ŞAHİNLER N., TOY N. Ö., ALAPALA DEMİRHAN S.  
in: Arı ve Arıcılık, Doç. Dr. Yaşar ERDOĞAN Dr. Öğr. Üyesi Yahya Yasin YILMAZ, Editor, İKSAD, Ankara, pp.63-84, 2022
- IV. **ORGANIC BEEKEEPING AND THE USE OF NATURAL PRODUCTS IN COMBATING WITH VARROA PARASITE IN ORGANIC BEEKEEPING**  
ŞAHİNLER N., ALAPALA DEMİRHAN S.  
in: A LOOK INTO SOME RECENT ADVANCES IN BIOLOGY, ECOLOGY AND AGRICULTURAL PRACTICES, Prof. Dr. Ozlem TONCER; Lecturer Zubeyir GUNES, Editor, İKSAD, Ankara, pp.97-113, 2022
- V. **Apiterapide Arısütü**  
ŞAHİNLER N., TOY N. Ö.  
in: Apiterapi, Ali Timuçin ATAYOĞLU, Editor, Türkiye Klinikleri Geleneksel ve Tamamlayıcı Tıp, Ankara, pp.132-136, 2021
- VI. **Propolis: Bileşimi ve Fonksiyonel Özellikleri**  
ŞAHİNLER N., ŞAHİNLER S.  
in: Türkiye Klinikleri Gıda Bilimleri - Özel Konular, Özlem KÜPLÜLÜ, Editor, Türkiye Klinikleri (Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş.), Ankara, pp.36-41, 2020
- VII. **Effects of Feeding, Age of the Larvae, and Queenlessness on the Production of Royal Jelly**  
ŞAHİNLER N., Osman K.  
in: Bee Products Properties Applications and Apitherapy, Avshalom Mizrahi, Yaacov Lensky, Editor, Springer, pp.173-178, 1997

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of Storage Period, Heating Temperature and Heating Duration on The Quality of Honey in Different Honey Types Produced in The Aegean Region.**  
ŞAHİNLER N., ELMALI GÜLBAŞ H., Özdin R., Uyar B., Kayhan N.  
ISPEC 13thINTERNATIONAL CONFERENCE ON AGRICULTURE, ANIMAL SCIENCES AND RURAL DEVELOPMENT, Uşak, Turkey, 28 November 2023
- II. **Bees In Polination And The Effect Of Global Warming On Bees**  
ŞAHİNLER N., TOY N. Ö.  
6 th International Anatolian Agriculture, Food, Environment and Biology Congress, Kütahya, Turkey, 07 October 2022, pp.705-710
- III. **Importance for Queen Bee and Colony**

ŞAHİNLER N., TOY N. Ö.

6 th International Anatolian Agriculture, Food, Environment and Biology Congress, Kütahya, Turkey, 07 October 2022, pp.793-795

**IV. Quality Parameters of Honey an Important Bee Product**

ŞAHİNLER N., TOY N. Ö.

6 th International Anatolian Agriculture, Food, Environment and Biology Congress, Kütahya, Turkey, 07 October 2022, pp.784-791

**V. Good Agricultural Practices in Beekeeping**

ŞAHİNLER N., TOY N. Ö.

2 nd International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Cyprus (Kkctc), 25 October 2021, pp.204-207

**VI. Factors Affecting The Yield And Quality Of Bee Venom**

ŞAHİNLER N., TOY N. Ö.

3rd international zootechnical science congress, Bursa, Turkey, 27 - 28 November 2021, pp.184-190

**VII. USAGE OF APILARNİLE IN ANIMAL HUSBANDRY**

ŞAHİNLER N., TOY N. Ö.

3rd international zootechnical science congress, Bursa, Turkey, 27 - 28 November 2021, pp.191-193

**VIII. A probiotic and functional product perga (bee bread)**

ŞAHİNLER N., TOY N. Ö.

4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021) November 24-26, 2021., Ankara, Turkey, 24 November 2021

**IX. Chemical Structure Of Propolis Samples From Yalova Province**

ŞAHİNLER N., TOY N. Ö.

3rd INTERNATIONAL CUKUROVA AGRICULTURE AND VETERINARY CONGRESS', Adana, Turkey, 9 - 10 October 2021, pp.468-478

**X. Queen Breeding and Factors Affecting Queen Bee Quality**

ŞAHİNLER N., TOY N. Ö.

2 nd International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Cyprus (Kkctc), 25 October 2021, pp.439-442

**XI. Composition of Royal Jelly and Uses in Human Health**

ŞAHİNLER N., TOY N. Ö.

1st JOINT INTERNATIONAL APITHERAPY CONGRESS, İstanbul, Turkey, 20 May 2021, pp.76-84

**XII. İNSAN SAĞLIĞI ÜZERİNE PROPOLİSİN KULLANIM ALANLARI**

ŞAHİNLER N., TOY N., ALAPALA DEMİRHAN S.

MAS10. Uluslararası Avrupa Fen- Matematik- Mühendislik ve Sağlık Bilimleri Kongresi, İzmir, Turkey, 14 - 15 December 2019

**XIII. APİLARNİL VE KULLANIM ALANLARI**

ŞAHİNLER N., TOY N. Ö.

MAS10. Uluslararası Avrupa Fen- Matematik- Mühendislik ve Sağlık Bilimleri Kongresi, 14 - 15 December 2019

**XIV. The in vitro Effects of Propolis Extracts Prepared with Organic Solvents on Moniliaspp.**

DİNLER H., ŞİMŞEK A., ŞAHİNLER N.

III. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS – ENGINEERING, 27 - 30 June 2019

**XV. The Investigation of Possibility of Propolis As Additives in Alfalafa Silages**

DURU A., BARIT M., TÜRK M. U., ŞAHİNLER N.

2. International Conference on "Agriculture, Forestry Life Sciences", PRAGUE, Czech Republic, 18 - 20 April 2019, pp.241-245

**XVI. İstatistik ve Tarımda İstatistiğin Önemi..**

ŞAHİNLER S., ŞAHİNLER N., ALAPALA DEMİRHAN S.

4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, 20 - 22 April 2019

**XVII. Arı Zehri ve Kullanım Alanları**

ŞAHİNLER N., ŞAHİNLER S.

- 4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, 20 - 22 April 2019
- XVIII. **Isıl İşlem Uygulamanın Balın Yapısı ve Kalitesi Üzerine Etkileri ..**  
ŞAHİNLER N., ŞAHİNLER S., ALAPALA DEMİRHAN S.  
4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, 20 - 22 April 2019
- XIX. **Uşak İlinde Hayvancılığın Yıllara Göre Genel Durumu**  
ŞAHİNLER N., ALAPALA DEMİRHAN S., ŞAHİNLER S.  
4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, 20 - 22 April 2019
- XX. **Organik Arı Ürünleri Üretimi Ve Organik Arıcılık**  
ŞAHİNLER N., ŞAHİNLER S.  
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- XXI. **Balikesir İli Propolis Örneklerinin Kimyasal Yapısı .**  
ŞAHİNLER N.  
4th International Anatolian Agriculture, Food, Environment and Biology Congress-2019, 20 - 22 April 2019
- XXII. **Effects Of Global Warming On Animal Breeding**  
ALAPALA DEMİRHAN S., ŞAHİNLER N.  
ICAFLS 2018, Budapest, Hungary, 6 - 08 September 2018
- XXIII. **Beekeeper Health and Safety in Terms of Occupational Health and SafetyKütahya Province Example**  
ŞAHİNLER S., ŞAHİNLER N.  
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- XXIV. **The Effect of Heating Temperature,Heating Time and store...**  
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International Muğla Beekeeping and Pine Honey Congress, Muğla, Turkey, 15 - 19 October 2018
- XXV. **Chemical Structure and Anti-Fungal Activity of Propolis Produced in MuğlaProvince**  
ŞAHİNLER N., ŞAHİNLER S., DİNLER H.  
International Muğla Beekeeping and Pine Honey Congress, Muğla, Turkey, 15 - 19 October 2018
- XXVI. **ORGANIC AND GOOD AGRICULTURAL APPL**  
ŞAHİNLER N., ALAPALA DEMİRHAN S.  
ICAFLS2018, Budapest, Hungary, 6 - 08 September 2018
- XXVII. **The Use of Natural Products as an Alternative to Chemical Methods in Combat Against Varroa in Honeybee Colonies**  
ŞAHİNLER N., GÜL A., ŞAHİNLER S., ÇOLAK A. M., ALAPALA DEMİRHAN S., İSLAMOĞLU M.  
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- XXVIII. **Utilizing the Animal and Plant Wastes**  
ALAPALA DEMİRHAN S., ÇOLAK A. M., ŞAHİNLER N.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- XXIX. **The General Situation of Mulberry Cultivation in Uşak and Determining the Potential of Silkworm Growing**  
ŞAHİNLER N., ÇOLAK A. M., ŞAHİNLER S., İSLAMOĞLU M., TÜRK M. U.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- XXX. **The in vitro Effects of Propolis Extracts Prepared with Organic Solvents on Macrophomina phaseolina**  
DİNLER H., ERDEM C., ŞAHİNLER N.  
The Third International Congress of Agriculture and Environment, 16 - 18 November 2017
- XXXI. **Use of planton Varrova parasitis in organic bees**  
ŞAHİNLER N., ALAPALA DEMİRHAN S., İSLAMOĞLU M., türk m. u., sarıhan e. o.  
ECSAC, 19 - 22 October 2017
- XXXII. **Use of Plants on Varroa Parasitis in Organic Bees**  
ŞAHİNLER N., Alpala Demirhan S., ŞAHİNLER S., İSLAMOĞLU M., Türk M. U., SARIHAN E. O.  
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- XXXIII. **Ege Bölgesi'nde Üretilen Propolislerin Antifungal Aktivitesi**  
ŞAHİNLER N.

ECSAC 2017, Prag, Czech Republic, 19 - 22 October 2017

**XXXIV. Arıcılığın Türkiye Ekonomisindeki Geleceğine Bir Bakış**

ŞAHİNLER N., ŞAHİNLER S., ALAPALA DEMİRHAN S.

3rd International Conference on "Economic and Social Impacts Antalyaof Globalization, Antalya, Turkey, 5 - 07 October 2017

**XXXV. Türkiye’de Organik Tarım Ürünlerinin Pazarlanması VeEkonomideki Yeri**

ALAPALA DEMİRHAN S., ÇOLAK A. M., ŞAHİNLER N., DEMİRHAN M. F.

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**XXXVI. The Effect of Heating, Heating and Storage Time on HMF and Diastase Number in High Plato Honey Samples**

CEYLAN D. A., GÜL A., ŞAHİNLER N., AKYOL E., YENİNAR H., YÖRÜK A.

45. APIMONDIA INTERNATIONAL APICULTURAL CONGRESS, İstanbul, Turkey, 29 September - 04 October 2017, pp.280

**XXXVII. Effect of Starvation Days and Starving Periods on Larval Development, Survival Rates and Emergence Weightsof Worker Honeybees Reared In Vitro**

AKYOL E., CEYLAN D. A., ŞAHİNLER N., SİLİCİ S., GÜL A., ÖZKÖK D.

45. APIMONDIA INTERNATIONAL APICULTURAL CONGRESS, İstanbul, Turkey, 29 September - 04 October 2017, pp.121

**XXXVIII. The Effect of Heating, Heating and Storage Time on HMF and Diastase Number in High Pine (honeydew honey)Honey Samples**

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45.APIMONDIA INTERNATIONAL APICULTURAL CONGRESS, İstanbul, Turkey, 29 September 2017 - 04 October 2014, pp.112

**XXXIX. A study on antifungal activityof propolisextractagainst Fusarium oxysporium**

ŞAHİNLER N., DİNLER H., İSLAMOĞLU M.

Apimondia 2017, 29 September 2017 - 04 October 2014

**XL. Traditional Methods of Comat with Vespa Spp (Hymenoptera, Vespidae) in Turkey**

ŞAHİNLER N., İSLAMOĞLU M.

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**XLI. A Study on Antifungal Activity of Propolis Extract against Fusarium Oxysporium**

ŞAHİNLER N., DİNLER H., İSLAMOĞLU M.

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**XLII. Arı hastalık ve zararlıları ile mücadelede "iyi arıcılık uygulamaları"nın koloniye yansımaları**

ŞAHİNLER N., YÜCEL B.

International Honey Commission Congress 2017, 25 - 28 September 2017

**XLIII. YAKIN GEÇMİŞ ZAMANDAN GÜNÜMÜZE TÜRKİYE ARICILIĞININ DEĞERLENDİRİLMESİ**

ŞAHİNLER N., YÜCEL B., ŞAHİNLER S.

IHC 2017, Antalya, Turkey, 25 September - 27 May 2017

**XLIV. ÇAM SALGI BALININ DÜNYA BAL SEKTÖRÜNDEKİ İZLERİ**

YÜCEL B., ŞAHİNLER N.

IHC 2017, Antalya, Turkey, 25 - 27 September 2017

**XLV. Arı Zehiri Üretimi, İşlenmesi ve Pazarlamasındaki Yeni Yaklaşımlar**

YÜCEL B., ŞAHİNLER N.

IHC 2017, Antalya, Turkey, 25 - 27 September 2017

**XLVI. The place and importance of medical aromatic plants in animal breeding**

ALAPALA DEMİRHAN S., ŞAHİNLER N., ÇOLAK A. M., İSLAMOĞLU M.

I. Internatonal congress on medicinal and aromatic plants, 10 - 12 May 2017

**XLVII. The use of the naturel products as an alternative to chemical methods in combat against varroa in honeybee colonies**

ŞAHİNLER N., GÜL A., ŞAHİNLER S., ÇOLAK A. M., ALAPALA DEMİRHAN S., İSLAMOĞLU M.

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- XLVIII. The Effect Of Honeybee Pollination on Productivity and Quality of Strawberry**  
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- XLIX. Occupational Health and Safety in the Field of Entomology**  
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