

## Assoc. Prof. HİLAL SUSURLUK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: EAX-3835-2022

Yoksis Researcher ID: 379436

### Education Information

Doctorate, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 2002 - 2008

Postgraduate, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 1999 - 2002

Undergraduate, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, Turkey 1995 - 1999

### Dissertations

Doctorate, İki benekli kırmızıörümcek *Tetranychus urticae* koch (Acarina: Tetranychidae)'de piretroit insektisitlere karşı oluşan direncin moleküler karakterizasyonu, Ankara University, Fen Bilimleri Enstitüsü, 2008

Postgraduate, *Spodoptera littoralis* (boisduval) (Lepidoptera:Noctuidae)'e karşı bazı *Tanacetum* spp. (Compositae) ekstraktlarının biyolojik aktivitelerinin belirlenmesi / Determination of biological activities of some *Tanacetum* spp. (Compositae) extracts against *Spodoptera littoralis* (boisduval) (Lepidoptera:Noctuidae), Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, 2002

### Research Areas

Insect Control, Pesticides and Environmental Pollution, Acarology

### Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA, 2023 - Continues

Engineer, Bursa Uludağ University, U.Ü.Bilim ve Teknoloji Uygulama ve Araştırma Merkezi, 2022 - 2022

Research Assistant, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, 2000 - 2006

### Courses

Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

DEPOLANMIŞ ÜRÜN ZARARLILARI, Undergraduate, 2023 - 2024, 2022 - 2023

ENTOMOLOJİDE MOLEKÜLER BİYOLJİ, Undergraduate, 2023 - 2024

TARLA BİTKİLERİ HASTALIK VE ZARARLILARI, Undergraduate, 2023 - 2024

TEZ DANIŞMANLIĞI II, Postgraduate, 2022 - 2023

YÜKSEK LİSANS UZMANLIK ALAN DERSİ I, Postgraduate, 2023 - 2024  
BİTKİ VİRUS HASTALIKLARINI NAKLEDEN OMURGASIZLAR, Postgraduate, 2023 - 2024  
SUPTROPİKAL İKLİM MEYVE ZARARLILARI, Undergraduate, 2023 - 2024  
Undergraduate, 2023 - 2024  
ORGANİK TARIMDA BİTKİ KORUMA, Undergraduate, 2023 - 2024  
TEZ DANIŞMANLIĞI I, Postgraduate, 2023 - 2024  
YÜKSEK LİSANS UZMANLIK ALAN DERSİ II, Postgraduate, 2022 - 2023

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

- I. **Is there any relationship between the effectiveness of some Heterorhabditis bacteriophora isolates on the host and their average penetration rate?**  
Susurluk H., Bütüner A. K., Ergene E., Yaraşır O. N., Susurluk İ. A.  
JOURNAL OF STORED PRODUCTS RESEARCH, vol.108, pp.1-6, 2024 (SCI-Expanded)
- II. **Impact of some entomopathogenic nematode isolates on the mortality and penetration rate of Rhyzopertha dominica and Tenebrio molitor**  
Bütüner A. K., Ergene E., Ilktan M., Sepin S., Susurluk H., Susurluk İ. A.  
CROP PROTECTION, vol.179, 2024 (SCI-Expanded)
- III. **Potential use of essential oils from Origanum vulgare and Syzygium aromaticum to control Tetranychus urticae Koch (Acari: Tetranychidae) on two host plant species**  
SUSURLUK H.  
PEERJ, vol.11, 2023 (SCI-Expanded)
- IV. **The effects of lambda-cyhalothrin and bifenthrin resistance on the fitness of Tetranychus urticae Koch (Acari: Tetranychidae)**  
Susurluk H., Gurkan M. O.  
SYSTEMATIC AND APPLIED ACAROLOGY, vol.27, no.3, pp.525-537, 2022 (SCI-Expanded)
- V. **Mode of inheritance and biochemical mechanisms underlying lambda-cyhalothrin and bifenthrin resistance in the laboratory-selected two-spotted spider mite, Tetranychus urticae**  
Susurluk H., Gurkan M. O.  
CROP PROTECTION, vol.137, 2020 (SCI-Expanded)
- VI. **Concentration of sodium dodecyl sulfate used in occlusion body extraction affects Spodoptera littoralis nucleopolyhedrovirus biological activity**  
Susurluk H., TOPRAK U., Gurkan M. O.  
TURKISH JOURNAL OF BIOLOGY, vol.37, no.2, pp.171-175, 2013 (SCI-Expanded)
- VII. **A comparative evaluation of the susceptibility to insecticides and detoxifying enzyme activities in Stethorus gilvifrons (Coleoptera: Coccinellidae) and Panonychus ulmi (Acarina: Tetranychidae)**  
KUMRAL N. A., GENÇER N. S., Susurluk H., Yalcin C.  
INTERNATIONAL JOURNAL OF ACAROLOGY, vol.37, no.3, pp.255-268, 2011 (SCI-Expanded)
- VIII. **INTERACTIONS AMONG POPULATIONS OF PREDATORY MITES AND INSECT AND MITE PESTS ON OLIVE TREES IN TURKEY**  
KUMRAL N. A., Susurluk H., Cobanoğlu S.  
INTERNATIONAL JOURNAL OF ACAROLOGY, vol.36, no.6, pp.463-471, 2010 (SCI-Expanded)
- IX. **Olfactory response of the ladybird beetle Stethorus gilvifrons to two preys and herbivore-induced plant volatiles**  
GENÇER N. S., KUMRAL N. A., Sivritepe H. O., Seidi M., Susurluk H., Sentürk B.  
PHYTOPARASITICA, vol.37, no.3, pp.217-224, 2009 (SCI-Expanded)
- X. **Resistance to chlorpyrifos and lambda-cyhalothrin along with detoxifying enzyme activities in field-collected female populations of European red mite**  
KUMRAL N. A., Susurluk H., GENÇER N. S., GÜRKAN M. O.  
PHYTOPARASITICA, vol.37, no.1, pp.7-15, 2009 (SCI-Expanded)

- XI. **Antifeedant activity of some *Tanacetum* species and bioassay guided isolation of the secondary metabolites of *Tanacetum cadmeum* ssp *cadmeum* (Compositae)**  
Susurluk H., Caliskan Z., Guerkan O., Kirmiziguel S., Goeren N.  
INDUSTRIAL CROPS AND PRODUCTS, vol.26, no.2, pp.220-228, 2007 (SCI-Expanded)
- XII. **Viral-enhancing activity of an optical brightener for *Spodoptera littoralis* (Lepidoptera : Noctuidae) nucleopolyhedrovirus**  
Toprak U., Susurluk H., Oktay Gurkan M.  
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.17, no.4, pp.423-431, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Pathogenicity of the *Steinernema feltiae* TUR-S3 (Rhabditida: Steinernematidae) Isolate on *Oryzaephilus surinamensis* (Coleoptera: Silvanidae) and *Tribolium confusum* (Coleoptera: Tenebrionidae)**  
YARAŞIR O. N., ERGENE E., BÜTÜNER A. K., SUSURLUK H., SUSURLUK İ. A.  
Türk Tarım ve Doğa Bilimleri Dergisi, vol.11, no.2, pp.409-416, 2024 (Peer-Reviewed Journal)
- II. **Effects of a native diatomaceous earth on *Oryzaephilus surinamensis* (L., 1758) (Coleoptera: Silvanidae), and *Acanthoscelides obtectus* (Say, 1831) (Coleoptera: Chrysomelidae)**  
Susurluk H., Butuner A. K.  
Harran Tarım ve Gıda Bilimleri Dergisi, vol.28, no.1, pp.49-59, 2024 (Peer-Reviewed Journal)
- III. **Effects of a local diatomaceous earth on *Oryzaephilus surinamensis* (L., 1758) (Coleoptera: Silvanidae), and *Acanthoscelides obtectus* (Say, 1831) (Coleoptera: Chrysomelidae)**  
Susurluk H., Bütüner A. K.  
Harran Tarım ve Gıda Bilimleri Dergisi, vol.28, no.1, pp.49-59, 2024 (Peer-Reviewed Journal)
- IV. **Pathogenicity of the *Steinernema feltiae* (Rhabditida: Steinernematidae) TUR-S3 Isolate on *Oryzaephilus surinamensis* (Coleoptera: Silvanidae) and *Tribolium confusum* (Coleoptera: Tenebrionidae)**  
Yaraşır O. N., Ergene E., Bütüner A. K., Susurluk H., Susurluk İ. A.  
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.11, no.2, pp.409-416, 2024 (Peer-Reviewed Journal)
- V. **First application of two distinguishment techniques: Using Linear Discriminate Function method and Artificial Neural Networks approach according to the ovary types for some plant parasitic nematodes**  
TAN A. N., TAN A., SUSURLUK H.  
Harran Tarım ve Gıda Bilimleri Dergisi, vol.26, no.1, pp.1-14, 2022 (Peer-Reviewed Journal)
- VI. **Effects of *Tanacetum cadmeum* ssp. *orientale* (Compositae)' EtOAc Extract Fractions on Feeding Behaviour of *Spodoptera littoralis* (Lepidoptera: Noctuidae)**  
SUSURLUK H., GÜRKAN M. O.  
Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi (Online), vol.23, no.1, pp.27-32, 2009 (Peer-Reviewed Journal)
- VII. **Sentetik piretroitli pestisitlere dirençli bir *Tetranychus urticae* Koch (Acarina: Tetranychidae) popülasyonunun hayat tablosu parametrelerine azadirachtin'in etkisi**  
KUMRAL N. A., SUSURLUK H.  
Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi (Online), vol.21, no.1, pp.23-30, 2007 (Peer-Reviewed Journal)
- VIII. **The Efficacy of Spinosad on Different Strains of *Spodoptera littoralis* (Boisduval) (Lepidoptera: Noctuidae)**  
AYDIN H., GÜRKAN M. O.  
TURKISH JOURNAL OF BIOLOGY, vol.30, no.1, pp.5-9, 2006 (Scopus)
- IX. **Böceklerde İnsektisit Direncinin Moleküler Mekanizmaları**  
AYDIN H., ÇOBANOĞLU S., GÜRKAN M. O.  
Çukurova Üniversitesi Ziraat Fakültesi Dergisi, vol.20, no.3, pp.43-52, 2005 (Peer-Reviewed Journal)

- X. **Competitive Abilities of the Entomopathogenic Nematodes *Steinernema feltiae* and *Heterorhabditis bacteriophora* in the Same Host at Different Temperatures**  
AYDIN H., SUSURLUK İ. A.  
TURKISH JOURNAL OF BIOLOGY, vol.29, no.1, pp.35-39, 2005 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Coleoptera Takımının Virüs Vektörü Türleri**  
SUSURLUK H., ERGENE E.  
in: Ziraat, Orman ve Su Ürünleri Alanında Uluslararası Araştırmalar IX, NEVİN AKDURA, Editor, EĞİTİM YAYINEVİ, İstanbul, pp.1-29, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECT OF DIATOMACEOUS EARTH ON STORED PRODUCT PEST *Oryzaphilus surinamensis* L. (Col: Silvanidae)**  
SUSURLUK H.  
IV. BALKAN AGRICULTURAL CONGRESS, Edirne, Turkey, 31 August - 02 September 2022
- II. **EFFECTIVENESS OF HYBRID ENTOMOPATHOGEN NEMATODE *HETERORHABDITIS BACTERIOPHORA* HBH ON *ORYZAPHILUS SURINAMENSIS***  
SUSURLUK H.  
2. INTERNATIONAL HASANKEYF SCIENTIFIC STUDIES AND INNOVATION CONGRESS, Batman, Turkey, 25 - 26 June 2022
- III. ***Tetranychus urticae* Koch (Acari: Tetranychidae)'de Lambda cyhalothrin ve Bifenthrin Direncinin Kalıtımı**  
SUSURLUK H., GÜRKAN M. O.  
Türkiye II. Bitki Koruma Kongresi, Isparta, Turkey, 27 - 29 August 2007
- IV. **Impact of SDS in Baculovirus Occlusion Body Purification Buffer on Biological Activity**  
SUSURLUK H., TOPRAK U., GÜRKAN M. O.  
Society for Invertebrate Pathology Annual Meeting, August 27-September 1, 2006, Wuhan-China., Wuhan, China, 27 August - 01 September 2006
- V. **Susceptibility of different two-spotted spider mite field populations (*Tetranychus urticae*) (*Tetranychidae*) from Turkey to three insecticide-acaricide pyrethroids**  
AKGÜNLÜ F. Z., AYDIN H., GÜRKAN M. O.  
12th International Congress of Acarology, Amsterdam, Netherlands, 21 - 26 August 2006
- VI. ***Tanacetum cadmeum* ssp. *cadmeum* bitkisinin sekonder metabolitlerinin yapılarının tayini ve aktivitelerinin saptanması**  
ÇALIŞKAN Z., AYDIN H., KIRMIZIGÜL S., GÜRKAN M. O., GÖREN N.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004