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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Bitki Koruma (Dr), Turkey 2017 - 2022

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Bitki Koruma (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Ankara University, Ziraat Fakültesi, Ziraat Mühendisliği Bölümü, Turkey 2008 - 2012

Dissertations

Postgraduate, Ankara ili bağ alanlarındaki akar türlerinin belirlenmesi, Ankara University, Fen Bilimleri Enstitüsü, Bitki Koruma (YI) (Tezli), 2017

Research Areas

Insect Control, Acarology

Academic Titles / Tasks

Research Assistant, Ankara University, Ziraat Fakültesi, Bitki Koruma Bölümü, 2013 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel target-site mutation (H146Q) outside the ubiquinone binding site of succinate dehydrogenase confers high levels of resistance to cyflumetofen and pyflubumide in *Tetranychus urticae***
İNAK E., De Rouck S., Demirci B., Dermauw W., Geibel S., Van Leeuwen T.
Insect Biochemistry and Molecular Biology, vol.170, 2024 (SCI-Expanded)
- II. **Molecular mechanisms of resistance to spirodiclofen and spiromesifen in *Tetranychus urticae***
İNAK E., Demirci B., Vandenhoe M., SÖYLEMEZOĞLU G., Van Leeuwen T., TOPRAK U.
Crop Protection, vol.172, 2023 (SCI-Expanded)
- III. **A review of the molecular mechanisms of acaricide resistance in mites and ticks**
De Rouck S., İNAK E., Dermauw W., Van Leeuwen T.
Insect Biochemistry and Molecular Biology, vol.159, 2023 (SCI-Expanded)

- IV. **Emulsion oil in water formulation of methyl-eugenol increases its insecticidal activity against *Cydia pomonella* L. (Lepidoptera: Tortricidae)**
Alkan M., Özdem A., Yılmaz A., Yücel C., İnak E., Ertürk S., Toprak U.
Applied Entomology and Zoology, vol.58, no.2, pp.139-148, 2023 (SCI-Expanded)
- V. **Long-term survey and characterization of cyflumetofen resistance in *Tetranychus urticae* populations from Turkey**
İNAK E., Alpkent Y. N., Saalwaechter C., Albayrak T., Inak A., Dermauw W., Geibel S., Van Leeuwen T.
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.188, 2022 (SCI-Expanded)
- VI. **Incidence of spiromesifen resistance and resistance mechanisms in *Tetranychus urticae* populations collected from strawberry production areas in Turkey**
İNAK E., Alpkent Y. N., Cobanoglu S., TOPRAK U., Van Leeuwen T.
CROP PROTECTION, vol.160, 2022 (SCI-Expanded)
- VII. **Molecular identification and phylogenetic analysis of spider mites (Prostigmata: Tetranychidae) of Turkey**
İNAK E., Cobanoglu S., Auger P., Migeon A.
EXPERIMENTAL AND APPLIED ACAROLOGY, vol.87, no.2-3, pp.195-205, 2022 (SCI-Expanded)
- VIII. **Monitoring of acaricide resistance and target site mutations in *Tetranychus urticae* Koch (Acari: Tetranychidae) populations collected from bean fields in Central Anatolia**
İNAK E., cobanoglu S., FERİZLİ A. G.
INTERNATIONAL JOURNAL OF ACAROLOGY, vol.48, no.3, pp.279-285, 2022 (SCI-Expanded)
- IX. **Biochemical and molecular mechanisms of acaricide resistance in *Dermanyssus gallinae* populations from Turkey**
KOÇ N., İNAK E., Nalbantoglu S., Alpkent Y. N., Dermauw W., Van Leeuwen T.
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.180, 2022 (SCI-Expanded)
- X. **Pirimicarb resistance and associated mechanisms in field-collected and selected populations of *Neoseiulus californicus***
Albayrak T., Yorulmaz S., İNAK E., TOPRAK U., Van Leeuwen T.
Pesticide Biochemistry and Physiology, vol.180, 2022 (SCI-Expanded)
- XI. **Insecticide resistance mechanisms in predatory mites**
İNAK E., Salman S. Y.
INTERNATIONAL JOURNAL OF PEST MANAGEMENT, vol.68, no.2, pp.192-198, 2022 (SCI-Expanded)
- XII. **Geographical distribution and origin of acetylcholinesterase mutations conferring acaricide resistance in *Tetranychus urticae* populations from Turkey**
İNAK E.
EXPERIMENTAL AND APPLIED ACAROLOGY, vol.86, pp.49-59, 2022 (SCI-Expanded)
- XIII. **Determination of potential insect vectors and subgroups of aster yellows phytoplasma in the carrot (*Daucus carota* L.) (Apiaceae) cultivation areas of Ankara and Provinces, Turkiye**
RANDA ZELYÜT F., İNAK E., ÖZDEN E. D., ŞENAL D., ERTUNÇ F.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.46, no.4, pp.385-398, 2022 (SCI-Expanded)
- XIV. **Population structure and insecticide resistance status of *Tuta absoluta* populations from Turkey**
İNAK E., Ozdemir E., Atis A. E., RANDA ZELYÜT F., Inak A., Demir U., Roditakis E., Vontas J.
PEST MANAGEMENT SCIENCE, vol.77, no.10, pp.4741-4748, 2021 (SCI-Expanded)
- XV. **Genetic analysis and screening of pyrethroid resistance mutations in *Varroa destructor* populations from Turkey**
KOÇ N., İNAK E., Jonckheere W., Van Leeuwen T.
EXPERIMENTAL AND APPLIED ACAROLOGY, vol.84, no.2, pp.433-444, 2021 (SCI-Expanded)
- XVI. **Effects of insecticides and synergistic chemicals on the efficacy of the entomopathogenic nematode *Steinernema feltiae* (Rhabditida: Steinernematidae) against *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae)**

- Ozdemir E., İNAK E., Evlice E., YÜKSEL E., ALBAYRAK DELİALİOĞLU R., SUSURLUK İ. A.
CROP PROTECTION, vol.144, 2021 (SCI-Expanded)
- XVII. **Untangling a Gordian knot: the role of a GluCl3 I321T mutation in abamectin resistance in *Tetranychus urticae***
Xue W., Mermans C., Papapostolou K., Lamprousi M., Christou I., İNAK E., Douris V., Vontas J., Dermauw W., Van Leeuwen T.
PEST MANAGEMENT SCIENCE, vol.77, no.4, pp.1581-1593, 2021 (SCI-Expanded)
- XVIII. **Molecular identification of eriophyoid mites in Thrace using the 28S and COI genes**
İNAK E., Denizhan E., Ozdemir E.
TURKISH JOURNAL OF ZOOLOGY, vol.45, no.6, pp.479-485, 2021 (SCI-Expanded)
- XIX. **Compatibility of entomopathogenic nematodes with pesticides registered in vegetable crops under laboratory conditions**
Ozdemir E., İNAK E., Evlice E., Laznik Z.
JOURNAL OF PLANT DISEASES AND PROTECTION, vol.127, no.4, pp.529-535, 2020 (SCI-Expanded)
- XX. **Geographical distribution and molecular insights into abamectin and milbemectin cross-resistance in European field populations of *Tetranychus urticae***
Xue W., Snoeck S., Njiru C., İNAK E., Dermauw W., Van Leeuwen T.
PEST MANAGEMENT SCIENCE, vol.76, no.8, pp.2569-2581, 2020 (SCI-Expanded)
- XXI. **Molecular characterization of phytoseiid mites in Turkey based on the internal transcribed spacer (ITS) region, with a new record for the country**
İNAK E., Cobanoglu S., Sade E., Tixier M.
EXPERIMENTAL AND APPLIED ACAROLOGY, vol.81, no.2, pp.201-213, 2020 (SCI-Expanded)
- XXII. **Acaricide resistance and mechanisms in *Tetranychus urticae* populations from greenhouses in Turkey**
Alpkent Y. N., İNAK E., Ulusoy S., Ay R.
SYSTEMATIC AND APPLIED ACAROLOGY, vol.25, no.1, pp.155-168, 2020 (SCI-Expanded)
- XXIII. **Resistance incidence and presence of resistance mutations in populations of *Tetranychus urticae* from vegetable crops in Turkey**
İNAK E., Alpkent Y. N., Cobanoglu S., Dermauw W., Van Leeuwen T.
EXPERIMENTAL AND APPLIED ACAROLOGY, vol.78, no.3, pp.343-360, 2019 (SCI-Expanded)
- XXIV. **DETERMINATION OF MITE SPECIES ON VINEYARDS OF ANKARA, TURKEY**
İNAK E., Cobanoglu S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.2, pp.1232-1239, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Checklist of oribatid mites (Acari: Oribatida) of the Central Black Sea basin of Turkey with new records for the country**
Murvanidze M., CILBIRCIOĞLU C., Ozdemir E., İNAK E.
PERSIAN JOURNAL OF ACAROLOGY, vol.9, no.3, pp.255-277, 2020 (ESCI)
- II. **A new species of *Lassenia* (Acari: Tanaupodidae) from Turkey**
Noei J., İNAK E., Cobanoğlu S., Saboori A.
Persian Journal of Acarology, vol.7, no.4, pp.345-352, 2018 (Scopus)

Metrics

Publication: 27

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