

## Res. Asst. ALPEREN KAAN BÜTÜNER

### Personal Information

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### International Researcher IDs

ScholarID: mDMORGwAAAAJ

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Publons / Web Of Science ResearcherID: GXV-0837-2022

ScopusID: 57972671900

Yoksis Researcher ID: 404889

### Education Information

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Turkey 2021 - Continues

Undergraduate, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA, Turkey 2016 - 2021

### Research Areas

Plant Protection, Entomology, Pesticides and Environmental Pollution, Nematology

### Academic Titles / Tasks

Research Assistant, Bursa Uludağ University, ZİRAAT FAKÜLTESİ, BİTKİ KORUMA, 2024 - Continues

### Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Bursa Uludağ University, Ziraat Fakültesi, Bitki Koruma, 2023 - Continues

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

- I. **Impact of some entomopathogenic nematode isolates on the mortality and penetration rate of Rhyzopertha dominica and Tenebrio molitor**

Bütüner A. K., Ergene E., İlktan M., Sepin S., Susurluk H., Susurluk İ. A.

CROP PROTECTION AN INTERNATIONAL JOURNAL OF PEST, DISEASE & WEED CONTROL, vol.23, no.6, pp.102-118, 2024 (SCI-Expanded)

- II. **The role of drought in the efficacy of some entomopathogenic nematodes**

Susurluk A., Bütüner A. K.

TURKIYE ENTOMOLOJİ DERGİSİ, vol.48, no.1, pp.103-110, 2024 (SCI-Expanded)

- III. **Enhancing Pest Detection: Assessing Tuta absoluta (Lepidoptera: Gelechiidae) Damage Intensity in Field Images through Advanced Machine Learning**

Bütüner A. K., Şahin Y. S., Erdinç A., Erdoğan H., Lewis E.

Tarım Bilimleri Dergisi, vol.30, no.1, pp.99-107, 2024 (SCI-Expanded)

- IV. Effects of storage temperature on viability and virulence of entomopathogenic nematodes<i> Heterorhabditis</i><i> bacteriophora</i> Poinar, 1976 (Rhabditida: Heterorhabditidae),<i> Steinernema</i><i> carpocapsae</i> Weiser, 1955 and<i> Steinernema</i><i> feltiae</i> Filipjev, 1934 (Rhabditida: Steinernematidae)  
Butuner A. K., İlktan M., SUSURLUK İ. A.  
TÜRKİYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.47, no.3, pp.247-257, 2023 (SCI-Expanded)
- V. Efficiency of temperature and storage duration on some morphological measurements and reproductive capacity of the entomopathogenic nematode<i> Heterorhabditis</i><i> bacteriophora</i> Poinar, 1976 (Rhabditida: Heterorhabditidae)'s Turkish HBH hybrid strain  
Butuner A. K., Susurluk A.  
TÜRKİYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.47, pp.469-476, 2023 (SCI-Expanded)
- VI. Biocontrol potential of<i> Heterorhabditis</i><i> bacteriophora</i> Poinar, 1976 (Rhabditida: Heterorhabditidae) HBH hybrid strain against the beet webworm,<i> Loxostege</i><i> sticticalis</i> L., 1761 (Lepidoptera: Pyralidae)  
Dede E., Butuner A. K., SUSURLUK İ. A.  
TÜRKİYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.46, no.4, pp.399-405, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. 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.  
TÜRKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.11, no.2, pp.409-416, 2024 (Peer-Reviewed Journal)
- II. 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)
- III. Machine Learning-Based Detection and Severity Assessment of Sunflower Powdery Mildew: A Precision Agriculture Approach  
Bütüner A. K., Şahin Y. S., Erdinç A., Erdoğan H.  
Bursa Uludağ Üniversitesi Ziraat Fakültesi Dergisi (Online), vol.37, no.2, pp.387-400, 2023 (Peer-Reviewed Journal)
- IV. Türk Entomopatojen Nematoların, Steinernema feltiae ve Steinernema carpocapsae (Rhabditida: Steinernematidae) Pirinç Biti *Sitophilus oryzae* (Coleoptera: Curculionidae) Üzerinde Patojenisitesi  
BÜTÜNER A. K., SUSURLUK İ. A.  
TÜRKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.10, no.3, pp.541-547, 2023 (Peer-Reviewed Journal)
- V. POTENTIAL FOR EARLY DETECTION OF POWDERY MILDEW INOKRA UNDER FIELD CONDITIONS USING THERMAL IMAGING  
Şahin Y. S., Bütüner A. K., Erdoğan H.  
SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, vol.23, no.3, pp.863-870, 2023 (ESCI)
- VI. Detection of *Tuta absoluta* larvae and their damages in tomatoes with deep learning-based algorithm  
Şahin Y. S., Erdinç A., Bütüner A. K., Erdoğan H.  
INTERNATIONAL JOURNAL OF NEXT-GENERATION COMPUTING, vol.14, no.3, pp.555-565, 2023 (ESCI)

VII. **Detection of Cucurbit Powdery Mildew, Sphaerotheca fuliginea (Schlech.) Polacci by Thermal Imaging in Field Conditions**  
ERDOĞAN H., BÜTÜNER A. K., ŞAHİN Y. S.  
SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, vol.23, no.1, pp.189-192, 2023 (ESCI)

## Supported Projects

Ünal H., Susurluk İ. A., Erdoğan H., Ulu T. C., Bütüner A. K., TUBITAK Project, Görüntü İşleme ile Çiçek Tripsi, *Frankliniella Occidentalis* (Thripidae:Thysanoptera) Zararının Tespiti ve Mücadelesi için Entomopatojen Nematodların Robotik Sistem ile Uygulanması, 2022 - 2025

## Memberships / Tasks in Scientific Organizations

Türkiye Entomoloji Derneği, Member, 2023 - Continues, Turkey

## Metrics

Publication: 13  
Citation (WoS): 7  
Citation (Scopus): 9  
H-Index (WoS): 2  
H-Index (Scopus): 2