



**TAGEM**  
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL  
RESEARCH INSTITUTE/ANKARA

## Vildan BOZKURT, PhD

### Agricultural Engineer

#### EDUCATION

- **Assoc. prof**
- **PhD** 2009-2015 Ankara University Faculty of Agriculture
- **MSc** 1991-1994 Ankara University Faculty of Agriculture
- **Bachelor's Degree** 1982-1986 Ankara University Faculty of Agriculture

**LANGUAGE** English

#### CAREER

- 1998-... Agricultural Engineer, Directorate of Plant Protection Central Research Institute/ANKARA
- 1987-1998. Agricultural Engineer, Altındağ Municipality-ANKARA


#### ABOUT ME

She graduated from Ankara University Faculty of Agriculture in 1986. She completed her Master's Degree in Entomology in 1994. She completed her Ph.D. in Ankara University, Institute of Science in 2015. Between 2004-2005, she received Sustainable Agriculture Training in Italy "Mediterranean Agronomic Institute of Bari" for 8 months. She carries out studies on Alternative Control Methods and Biotechnical Control Methods on Fruit and Vineyard Pests.

#### CONTACT

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### ■ **PROJECTS**

#### ■ **Projects Conducted**

1. Survey, Population Monitoring of Mediterranean Fruit Fly [*Ceratitis capitata* (Wied.) (Diptera: Tephritidae)] and Determination of its Parasitoid and Predators in Fruit Orchards in Ankara and Konya Provinces. Project leader (2017-2019).
2. Determination of the Efficiency of Ozone Application Against Storage Damage of Mediterranean Fruitfly [*Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae)]. Research assistant. (2018-2020).
3. Developing a Plant Protection Product for Use in the Control of Olive Fly [*Bactrocera oleae* (Gmel.) (Dip.:Tephritidae)] . Research assistant. (2017-2019).
4. Determination of Important Quarantine Pest *Drosophila suzuki* Matsumura (Diptera: Drosophilidae) in Orchards and Preparation of Survey Protocols. (IPMDROS- AB-EUPHRESCO II ). Proje leader. (2015-2017).
5. The determination of natural enemies with the detection of disease, pest and weeds in Kiwi fruit orchard in Western Black Sea Region. Research assistant (2015-2017).
6. Investigation of Use Possibility of Egg Parasitoid, Trichogramma sp., (Hym.: Trichogrammatidae) to Control of Leafroller (Lep.: Tortricidae) Damaged Cherry Trees in Çankırı. Research assistant. (2014-2016).
7. Investigations on Alternative Control Methods of *Cacopsylla pyri* (L.) (Hemiptera: Psyllidae) Harmful to Pear Orchards in Ankara Province. Project leader (2009-2015).
8. Investigations on the biology and determination of natural enemies and the biotechnical control methods of Leafroller moth [*Pandemis cerasana* (Hübner, 1786) (Lepidoptera: Tortricidae)] harmful on cherry orchards in Afyonkarahisar province. Research assistant. (2010-2012).
9. Investigation of Determination, Density of Fruit Tree Bark Beetle Species (Col.: Scolytidae), Biological Data for Controlling Important Species and Control Which is Harmful on Cherry Orchards in Central Anatolia Region. Research assistant. (2007-2009).
10. Mass Trapping Studies To Control Of Apple Blossom Beetle [*Tropinota hirta* (Poda) (Coleoptera: Scarabaeidae)] In Apple Orchards. Research assistant. (2003-2006).
11. Management of Disease, Pest and Weeds on Organic Cherry Production in Central Anatolia Region. Research assistant. (2004-2006).
12. Integrated Pest Management Project on Hazelnut Orchards in Black Sea Region. II. Part. Research assistant. (1998-2003).
13. Distribution, infestation and control of Mediterranean fruit fly (*Ceratitis capitata* Wied.) (Diptera: Tephritidae) on pome and stone fruits in Isparta and Burdur provinces. Project assistant (2004-2006).
14. Investigations on Detection and Taxonomy of Tortricidae (Lep.) Species Harmful in Cultivated Plants in Central Anatolia Region. Research assistant. (2000-2005).
15. Studies on the infestation rate, damage severity and adult flight activities of the harmful European sunflower moth (*Homoesoma nebulellum* (Den& Schiff )) (Lepidoptera: Pyralidae) on sunflowers in the Central Anatolia Region. Project assistant. (2000-2001).

#### ■ **Ongoing Projects**

1. Application of Local Biopreparation Containing *Bacillus thuringiensis* in the Control and Biology of Asian Walnut Moth *Erschoviella musculana* Erschoff (Lepidoptera: Nolidae) TUBITAK 1001 Project leader. (2021-2024).
2. Detection of Diseases and Pests, Determination of Their Prevalence and Density in Central Anatolian Walnut (*Juglans regia* L.) Production Areas. Project assistant. (2022-2024).
3. Determination of Biological Criteria for the Control and Control Opportunities of Mediterranean Fruit Fly, *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae) Harmful in Pear Orchards in Ankara Province. Project assistant. (2021-2024).
4. Determination of the Biology of the Winged Vinegar Fly *Drosophila suzukii* Matsumura, 1931 (Diptera: Drosophilidae) in the Central Anatolia Region. Project assistant. (2022-2024).
5. Studies on Establishment of Pest Free Areas from *Ceratitis capitata* (Diptera: Tephritidae) on Cherry Fruit Orchards in Konya, Yozgat, Afyonkarahisar, Eskişehir and Ankara Provinces. Project coordinator, (2016-2023).



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### ■ **PUBLICATIONS**

#### ■ **INTERNATIONAL ARTICLES AND PAPERS**

##### ■ **Articles Published in International Journals**

1. Bozkurt V., Uğur A., 2020. Effects of kaolin on some biological properties of pear sucker [ *Cacopsylla pyri* (L.) ( Hemiptera: Psyllidae )] Acta Hortic. 1269, 191-198. ISHS 2020. <https://doi.org/10.17660/ActaHortic.2020.1269.26>
2. Bozkurt V., Özdemir M., Ayan E., Özdem A., 2020. A review on Asian walnut moth *Erschoviella musculana* Ershov (Lepidoptera: Noctuidae). Acta Hortic, 1269, 241-244.
3. Ozdem, A., Bozkurt, V., Ozdemir, M., 2020. Evaluation of the Mass Trapping Method for the Control of *Pandemis cerasana* (Hubner,1786) (Lepidoptera: Tortricidae) in Cherry Orchards. *Fresenius Environmental Bulletin*. Volume 29. No.04/2020 pages 2208-2213. [https://www.prt-parlar.de/download\\_feb\\_2020/](https://www.prt-parlar.de/download_feb_2020/)
4. Seven, S., Özdemir M., Özdemir, Y., Bozkurt V., 2005. On the Species of *Rhyacionia* Huebner [1825] (Lepidoptera: Tortricidae) in Turkey. *Phytoparasitica*, Vol. 33, No.2, 123-128.

##### ■ **International Papers, Seminars, etc.**

1. Bozkurt V., Uğur A., 2020. Effects of kaolin on some biological properties of pear sucker [ *Cacopsylla pyri* (L.) ( Hemiptera: Psyllidae )] XXX International Horticultural Congress –IHC. Proc. II Int. Symp. on Innovative Plant Protection in Horticulture p.191-197. İstanbul- Türkiye.
2. Bozkurt V., Özdemir M., Ayan E., Özdem A., 2020. review on Asian walnut moth *Erschoviella musculana* Ershov (Lepidoptera: Noctuidae). XXX. International Horticultural Congress. Proc. II Int. Symp. on Innovative Plant Protection in Horticulture. pp.241-244. İstanbul- Türkiye.
3. Bozkurt,V., E. Ayan, E. Kayış (2019). First Recorded Pest *Sinoxylon muricatum* (Linnaeus, 1767) (Coleoptera: Bostrichidae) and its Predator *Denops albofasciatus* Charpentier, 1825 (Coleoptera: Cleridae) International Agricultural Congress (UTAK2019) 21-24 November 2019/ Ayaş / Ankara / Türkiye.
4. Bozkurt,V., E. Ayan, E. Kayış (2019). Damage of *Sinoxylon muricatum* (Linnaeus, 1767) (Coleoptera: Bostrichidae) and Precautions to Take on Walnut. International Agricultural Congress (UTAK2019) 21-24 Kasım / 2019/ Ayaş / Ankara / Türkiye.
5. Bozkurt, V., Ayan, E. (2015). Forest Insect Species Intercepted on Wood Product with International Trade to Turkey. IUFRO Meeting Section 7.03.05 "Ecology and Management of Bark and Wood Boring Insects" and Section 7.03.12 "Alien Invasive Species and International Trade. Joint Meeting. September 1-4, 2015 - Bariloche, Argentina. (oral)
6. Bozkurt, V., Ayan, E. (2015). Bark beetle (Coleoptera: Scotylidae) in Turkey Forest, Their Management and Quarantine Regulations. IUFRO Meeting Section 7.03.05 "Ecology and Management of Bark and Wood Boring Insects" and Section 7.03.12 "Alien Invasive Species and International Trade. Joint Meeting. September 1- 4 2015 - Bariloche, Argentina. (oral).



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7. Bozkurt V., Özdem A., Ayan E., (2013). Coleopteran Pests Intercepted On Imported Forest Products In Turkey\_The 4th International Agronomic Symposium. 3-6 October 2013. Jahorina - Bosnia Herzegovina,
8. Özdem A, V. Bozkurt. (2010). Control of the European Cherry Fruit Fly (*Rhagoletis cerasi* L.) (Diptera: Tephritidae) by Mass Trapping on Organic Sweet Cherry Orchards in Konya Province in Turkey. The First International Conference on Organic Agriculture- Limitations and Future October 11-14, 2010 Cairo, Egypt.
9. Özdem A, Bozkurt V, Kodan M, (2010). Determination of Harmful and Beneficial Insects on Organic Cherry Orchards in Konya Province in Turkey. The First International Conference on Organic Agriculture- Limitations and Future, 11-14 October, Cairo, Egypt.
10. Karahan A., Bozkurt V., Burçak A., (2008). Pest Risk Analysis: A New Concept for Turkey.Third Annual Balkan Week of Plant Health, Book of Abstracts, Plant Protection Institute, May 12-16, 2008, Bulgaria.

▪ **NATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in National Journals**

1. Bozkurt V. , Uğur A. (2022). Using yellow sticky traps in control to *Cacopsylla pyri* (L.) (Hemiptera: Psyllidae) on pear trees. Plant Protection Bulletin. 2022; 62(2): 36-42. <https://doi.org/10.16955/bitkorb.1056343>
2. Özdem A., Özdemir M., Bozkurt V., 2020. Adult population fluctuations and damage ratio of *Pandemis cerasana* (Hübner, 1786) (Lepidoptera: Tortricidae) in cherry orchards. Plant Protection Bulletin, 60 (2) , 23-28.
3. Bozkurt, V., (2018). Management of Invasive Insect Species: An Example of *Anoplophora chinensis* (Forster, 1771) (Coleoptera: Cerambycidae). Artvin Çoruh Üniversitesi Doğal Afetler Uygulama ve Araştırma Merkezi Doğal Afetler ve Çevre Dergisi. Cilt:4, sf. 25-31 ENFİTO 2018.
4. Taniker, Ü., Bozkurt, V., (2019). Sert Çekirdekli Meyvelerde Önemli Fungal Hastalık ve Zararlılar. Türk Tarım Dergisi. Fidancılık Özel Eki. 2019.
5. Bozkurt, V., Yıldırım, F., Erdurmuş, G., (2018). Entegre Mücadelede Kimyasal Mücadelenin Pratiği, N. BİRİŞİK içinde, *Teoriden Pratiğe Kimyasal Mücadele.* ( s.281-289). Gıda Ve Kontrol Genel Müdürlüğü Yayını. 1. baskı. ISBN: 978-605-2207-13-0. Ankara.
6. Bozkurt V., Ş. Altundağ, S. Özben., K. Değirmenci, 2014. Meyve ve Bağ Zararlıları. Türk Tarım Dergisi. Eylül-Ekim.2014. S, 38-43.
7. Bozkurt V., Özdem A., 2013. Determination of density of fruit tree bark beetle species (Coleoptera: Curculionidae: Scolytinae) and biological data of important species harmful to cherry orchards in central Anatolia region. Plant Protection Bulletin, 53 (2), 65-7



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8. Zeki C., Er H., Özdem A., Bozkurt V., 2008. Distribution and infestation of Mediterranean fruit fly (*Ceratitis capitata* Wied.) (Diptera: Tephritidae) on pome and stone fruits in Isparta and Burdur Provinces of Turkey. MUNIS Entomology & Zoology, Vol.3, No.1, 231-238.
  9. Zeki H., Özdem A., Bozkurt V., Sezer N., 2007. Investigations on the infestation rate and severity of damage and flight activities of European Sunflower Moth [*Homoeosoma nebulellum* (Den. & Schiff.)] (Lepidoptera: Pyralidae) damaged on sunflowers in Central Anatolia Region. Plant Protection Bulletin 2007, 47 (1-4) sf. 31-61.
  10. Özdemir M., Özdemir, Y., Seven, S, Bozkurt V., 2005. Researches on harmful Tortricidae (Lepidoptera) fauna in cultivated plants in Anatolian Region. Plant Protection Bulletin, 45 (1-4), 17-44.
  11. Zeki H., A. Özdem., V. Bozkurt., 1999. Determination of parasitization rates of natural enemies and parasitoids of Anise moth (*Depresseria CF. daucivorella* Rag.) larvae in Burdur province. Plant Protection Bulletin, 39, (1-2), 35-43.
- **National Papers, Seminars, etc.**
1. Bozkurt, V., 2021. A New Threat in Walnut Fields: Asian Walnut Moth (*Erschoviella musculana*). Workshop on "Current Situation, Struggle and Possible Risks of Important Invasive Insect Species in Our Country". Online Wokshop. Plant Protection Central Research Institute, 21.12.2021. Ankara/TÜRKİYE
  2. Bozkurt, V., (2019), Pest Risk Analysis in the Import of Ornamental Plants. VI. National Botanic Congress. 18-20 December 2019. Afyonkarahisar ([www.botanik.web.tr](http://www.botanik.web.tr))
  3. Bozkurt, V., (2018). Management of Invasive Insect Species: An Example of *Anoplophora chinensis* (Forster, 1771) (Coleoptera: Cerambycidae). III. Türkiye Forest Entomology and Patology Symposium. 10 - 12 May. 2018. Artvin.
  4. Özdem, A., Bozkurt, V., Ayan, E., (2018). Determination of Pest and Beneficial Species and Their Prevalence in Kiwi Orchards in the Western Black Sea Region. Türkiye VII. Plant Protection Congress (International Participation), 14-17 Kasım 2018, Muğla/Türkiye, 18 s.
  5. Bozkurt, V., 2017. Kaolin Usage Opportunities in Orchards. National Agricultural Congress. 19-22 October 2017. Afyonkarahisar, Türkiye
  6. Bozkurt, V., Altunışık, S., Günkut, H., Yurdakul, F., Kahveci Caner, Y. 2017. The Status and Eradication Studies of the Citrus Long Antennae Beetle *Anoplophora chinensis* (Forster, 1771) Coleoptera: Cerambycidae in Türkiye. National Agricultural Congress 19-22 October 2017- Afyonkarahisar, Türkiye.
  7. Bozkurt, V., 2017. Effects of Kaolin on Beneficial Species in Olive Orchards. Natioanal Agricultural Congress. 19-22 October 2017- Afyonkarahisar, Türkiye (Poster)



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8. Bozkurt, V., Uğur, A., 2017. Use of Kaolin in Control of Pear Psyllid (*Cacopsylla pyri* L. Hemiptera: Psyllidae) on Pear Trees. Central Anatolia Region 3. Agriculture and Food Congress 26-28 Ekim 2017- Sivas, Türkiye.
9. Bozkurt, V., Kodan, M. 2017. Supporting Biological and Biotechnical Control Methods for Pest Control in Plant Production. Central Anatolia Region 3rd Agriculture and Food Congress (with international participation) 26-28 October 2017, Sivas, Türkiye. (Poster). 393-394 s.
10. Kodan, M., Bozkurt V., 2017. Effects of Some Pesticides Used in Apple Orchards on Parasitoids and Predators. Central Anatolia Region 3rd Agriculture and Food Congress (with international participation) 26-28 October 2017, Sivas-Türkiye, 383-384 s.
11. Kodan, M., Bozkurt, V., Özdem, A., Öntepeli ,F., (2017), Leafroller in Cherry Orchards [*Archips* spp. (Lepidoptera: Tortricidae)] Release of Egg Parasitoid *Trichogramma evanescens* (Hym.:Trichogrammatidae). Central Anatolia Region 3rd Agriculture and Food Congress (with international participation) 26-28 October 2017, Sivas, Türkiye, 107-108 p.
12. Özdem, A., Bozkurt, V., Güler Y., Özdemir, M., (2017). Determination of the natural enemies of the harmful leafroller [*Pandemis cerasana* (Hübner, 1786) (Lepidoptera: Tortricidae)] in cherry orchards in Afyonkarahisar province. Central Anatolia Region 3rd Agriculture and Food Congress (with international participation) 26-28 October 2017,
13. Bozkurt, V., 2016. Important Plant Protection Problems and Possible Risks After Importing Ornamental Plants. VI. Ornamental Plant Congress, Abstract book. 19-22 Nisan 2016 Antalya, sf 39.
14. Bozkurt, V., 2016. Use of Kaolin in Organic Agriculture. Türkiye 12. Food Congress. 05-07 October 2016, Edirne, sf 319. (poster)
15. Bozkurt, V., Kodan, M., Güler, Y., 2016. Subsoil Pests in Bulbous and Tuberous Ornamental Plants and Their Control Opportunities. VI. Ornamental Plant Congress, Abstract book. 19-22 April 2016 Antalya, s. 96. (poster)
16. Kodan, M., Güler, Y., Bozkurt, V., (2016), An Overview of the Use of Biological Control in Parks and Gardens. VI. Ornamental Plant Congress, Abstract book. 19-22 April 2016 Antalya, s. 95.
17. Güler, Y., Bozkurt, V., Kodan, M., (2016), Creating Bee-Friendly Habitats in Ornamental Plants. VI. Ornamental Plant Congress, Abstract book. 19-22 April 2016 Antalya, s. 97.
18. Bozkurt, V., Güler, Y. 2015. Detection of Parasitoids of *Scolytus rugulosus* (Müller) (Coleoptera: Curculionidae: Scolytinae) Pests in Cherry Orchards in Çankırı Region. VI. Ecology Congress, 6-9 May 2015. Sinop.
19. Bozkurt V., 2015. Importance of Plant Protection in Agricultural Production and Encountered Problems. National Agriculture Congress. 29-31 Ekim 2015. Afyonkarahisar, 29-31 October 2015.



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20. Bozkurt V., 2015. Review on the Important Quarantine Pest *Drosophila suzukii* (Matsumura 1931) (Diptera: Drosophilidae). VII. National Horticulture Congress Proceedings Book, 25-29 Ağust. 2015. Çanakkale. (poster).
21. Bozkurt V., Uğur A., 2015. Use of Yellow Sticky Traps in Control of *Cacopsylla pyri* L. (Hemiptera: Psyllidae) Pests on Pear Trees. VII. National Plant Protection Congress, 25-29 Ağust. 2015. Çanakkale.
22. Bozkurt V., 2014. The status and importance of quarantine practices on forest products import in Turkey. 2nd Symposium of Turkey Forest Entomology and Pathology. Antalya/Türkiye. 7-9 April 2014. Antalya.
23. Özdem A., Bozkurt V., Özdemir M., (2014). Investigation of Mass Trapping Possibilities in the Control of damaged Pest *Pandemis cerasana* (Hübner, 1786) (Lepidoptera: Tortricidae) on Cherry Trees in Afyonkarahisar Province. V. Plant Protection Congress.2014.
24. Bozkurt V., Özdem A., Zeki C., 2013. Possibilities of Using Different Trap Types Against Rosechafer [*Tropinota hirta* (Poda) (Coleoptera: Scarabaeidae)] in Karaman Province. I. Plant Protection Products and Machinery Congress. Antalya. , 2-5 April 2013.
25. Kodan M., Öntepeli F., Bozkurt V., 2013. Biological Control Strategies to be Applied in Potato Fields. Potato Harmful Organisms Symposium, s.57, 4-7 Nov. 2013, Ankara,
26. Bozkurt V., N. Baliç. 2009. Studies on the Entomopathogen *Verticillium lecanii* on *Parthenolecanium rufulum* (Hemiptera: Coccidae) Harmful in Hazelnut in the Western Black Sea Region. II. Entomopatogens and Mikrobial Control Symposium. 24-27 Sep. 2009 Muğla-Türkiye.
27. Özdem A., Özdemir M., Bozkurt V., Zeki C., 2009. Morphological properties and population fluctuations of adults of the pest *Pandemis cerasana* (Hübner, 1786) (Lepidoptera: Tortricidae) on sweet cherry trees in Afyonkarahisar province. III. National Congress of Plant Protection, 14-17 July. Van-Türkiye.
28. Bozkurt V., Zeki C., 2007. Survey Studies Of Red Palm Weevil (*Rhynchophorus ferrugineus* (Oliv.) (Coleoptera: Curculionidae)) in Turkey. II. Turkish Plant Protection Congress Abstract book. Isparta/Türkiye, 27-29 August 2007.
29. Bozkurt V., Toros S., 1998. Investigations on Biology and Hosts of *Brevipalpus obovatus* Donnadieu (Phytotipalpidae: Acarina), II. National Ornamental Plant Congress Abstract Book. 290-296. 1998. Yalova/Türkiye. (poster)

### ■ **OTHER PUBLICATIONS**

#### **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Investigation of Alternative Control Methods of Pest *Cacopsylla pyri* (L) (Hemiptera: Psyllidae) in Pear Orchards in Ankara Province.(PhD). 2009-2015
2. Studies on the Biology and Hosts of *Brevipalpus obovatus* Donnadieu (Phytotipalpidae: Acarina) (MSc).1991-1994.



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### Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

1. Training on “Pest Risk Assessment”. European Food Safety Authority (EFSA) Saraybosna/BOSNIA and HERZEGOVINA-2014.
2. Training on “Integrated Pest Management”. Agricultural Research Organisation (ARO) Telaviv-ISRAEL-2014.
3. Training on “Monitoring of Fruit Flies in the Balkans and Mediterranean Countries” Internatioanla Atomic Energy Agency (IAEA) Adana- TÜRKİYE- 2013.
4. Workshop on “Taxonomic Acarology”. Ankara University Agricultural Faculty. Plant Protection Department. Ankara/TÜRKİYE-2012. Computer Aided Pest Risk Analysis (CAPRA) Training –European Plant Proteciton Organisation (EPPO) Ankara- TÜRKİYE-2012.
5. Development of Organic Agriculture and Sustainable Training of Agricultural Experts and Trainers. Athens- GREECE-2011.
6. Workshop on Pest Risk Analyses (PRATIQUE Project). Hamamet /TUNUS-2010.
7. Expert Working Group on Pest Risk Analyses Paris/ FRANCE-2007.
8. Worshop on Internatioanal Plant Health Pest Risk Analyses. CANADA-2005
9. Training on “Sustaninable Agriculture Education in Countries with Mediterranean Climate in Mediterranean Agronomic Institute, Bari/İTALYA-2003-2004.