



TAGEM
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL
RESEARCH INSTITUTE/ ANTALYA

Mürşide YAĞCI, PhD.
Agricultural Engineer

EDUCATION

- MSc** Kahramanmaraş Sütçü İmam Üniversitesi University
2009 College of Agriculture
- Bachelor's Degree** Çanakkale Onsekiz Mart University
2006 Faculty of Agriculture
- LANGUAGE** İngilizce YÖKDİL / 57,5

CAREER

- 2007-2011. Research Asistant Kahramanmaraş Sütçü İmam Üniversitesi University
- 2011-2013. Agricultural Engineer. Aegean Agricultural Research Institute– İzmir.
- 2013-2017. Agricultural Engineer. General Directorate of Agricultural Research and Policies (TAGEM)-Ankara.
- 2017- ... Researcher, ZMMAE, Directorate of Plant Protection Central Research Institute/Ankara

ABOUT ME

I graduated from Çanakkale Onsekiz Mart University in 2006. I completed my master's degree in 2009. I completed my Phd degree in 2017.

I worked at Ankara Plant Protection Central Research 2017.

CONTACT

Gayret Mahallesi. Fatih Sultan Mehmet Bulvarı. No: 66, 06172 Yenimahalle/ Ankara

yagci.murside@tarimorman.gov.tr

0 312 344 59 93 -1204



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▪ **PROJECTS**

▪ **Projects Conducted**

1. Studies on Damage Status, Some Biological Characteristics and Determination of Natural Enemies of the Pistachio Black Goose Wolf (*Hylesinus vestitus* M&R)
2. Determination of Reactions to Root-Knot Nematode Species (*Meloidogyne* spp.) and Resistance Genes by Molecular Markers of Peach and Nectarine Rootstocks Used in Turkey
3. Aegean Region Plum Rootstock Improvement Studies (No: TAGEM / BBAD/ 13 / A08 / P01 / 07)
4. Aegean Region Plum Variety Development Studies (No: TAGEM / BBAD/ 13 / A08 / P01 / 08)

▪ **Ongoing Projects**

1. Detection of Entomopathogenic Nematodes in Central Anatolian Cherry Orchards and Control of Cherry Fly, *Rhagoletis cerasi* L. (Diptera: Tephritidae)
2. Screening of Some Disease and Pest Tolerant Genes Using Molecular Markers in Local Tomato Genotypes Collected from Vegetable Genetic Resources
3. Detection of Entomopathogenic Nematode Species in Sakarya and Kocaeli Provinces and Determination of Biological Activities



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- **PUBLICATIONS**
- **INTERNATIONAL ARTICLES AND PAPERS**
- **Articles Published in International Journals**

Yağcı, M., Kaşkavalcı, G., Devran, Z. 2019. Reaction of peach and nectarine rootstocks to different populations of root-knot nematode species, *Meloidogyne incognita* (Kofoid & White, 1919) and *Meloidogyne javanica* (Treub, 1885). Turkish Journal of Entomology, 43 (2), s.171-178.

Yağcı, M., Özdem, A., Erdoğan F.D., Ayan, E.2021. Efficiency of entomopathogenic nematodes (Rhabditida: Heterorhabditidae and Steinernematidae) on the codling moth (*Cydia pomonella* L.) (Lepidoptera: Tortricidae) under controlled conditions. Egyptian Journal Biological Pest Control. Volume 31, Article number: 75. <https://doi.org/10.1186/s41938-021-00399-1>

Erdoğan, F.D., Erdurmuş, D., **Yağcı, M.**, Bayraktar, H. 2021. Effects of some *Metarhizium anisopliae* (Metschn.) Sorokin, 1883 (Hypocreales: Clavicipitaceae) isolates on root-knot nematodes under laboratory conditions. Türk. entomol. derg., 45 (2): 183-191. DOI: <http://dx.doi.org/10.16970/entoted.878024>

Yağcı, M., Yücel, C., Erdoğan F.D., Benk G., Kepenekci İ. 2022. Biological control potential of local entomopathogenic nematodes against the different stage larvae of cotton leafworm *Spodoptera littoralis* (Boisduval) (Lepidoptera: Noctuidae) Egyptian Journal Biological Pest Control. Volume 32, Article number: 59

Yağcı, M., Akdeniz Fırat, T., Erdoğan F.D. 2021. Virulence of four entomopathogenic nematode against different stages of the Mediterranean fruit fly, *Ceratitis capitata* Wiedemann (Diptera: Tephritidae). Egyptian Journal of Biological Pest Control volume 31, Article number: 126

Yağcı, M. 2021. Plant parasitic nematodes in orchards and their management opportunities. Overview on horticulture. Book. Chapter V. 107-131pp.

Nikpeyma, Y., **Turanlı, M.**, Ak B.E. 2011. The Stimulative Effect of Shocking by Electric Current On Pistachio (*Pistacia Vera*) Seed Germination and Growth. ISHS Acta Horticulturae . 91210.17660. 912. s. 295-299.

- **International Papers, Seminars, etc.**

Yağcı, M., Akdeniz Fırat, T., Erdoğan F.D. 2021. Laboratory evaluation of entomopathogenic nematode *Heterorhabditis bacteriophora* (Rhabditida: Heterorhabditidae) on the Indian meal moth, (*Plodia interpunctella* (Hubner) (Lepidoptera: Pyralidae)). Sözlü sunu. Agribalkan Congress. Edirne

Yağcı, M. 2021. Resistance Mechanisms of Plants Against to Plant Parasitic Nematodes. ISPEC 8th International Conference On Agriculture, Animal Sciences and Rural Development. Oral and technical presentation., December 24-25/ Bingol, Turkey

Yağcı, M., Kaşkavalcı, G., Devran, Z., 2019. Analysis of the applicability of molecular markers linked to resistance genes to *Meloidogyne incognita* and *Meloidogyne javanica* in peach and nectarine rootstocks. International Molecular Plant Protection Congress. Adana. s.94.



Mürşide YAĞCI, PhD. Agricultural Engineer



▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

Yağcı M., Kaşkavalcı G., 2018. Identification and Distribution of Root-knot Nematode Species (*Meloidogyne* spp.) in Peach Fields of Aegean Region. *Ege Üniversitesi Ziraat Fakültesi Dergisi*. Cilt 55, Sayı 3, s. 305 – 310.

Yağcı, M., Yaşarer, A.H., Erenler, Z., Şimşek, M., 2015. Main cockroach species in urban areas in our country and the world, prevention and alternative control methods of these pests. *The Turkish Journal of Occupational / Environmental Medicine and Safety*, Cilt 1, Sayı 2 (2). 239pp.

Şimşek, M., **Yağcı, M.**, Erenler, Z., Yaşarer, A.H., 2015. Usage Possibilities of Insecticide effective Biocidals In Organic Agriculture. *The Turkish Journal of Occupational / Environmental Medicine and Safety*. Cilt 1, Sayı 2 (2).239pp.

Yağcı, M., Yücel, C., Erdoğan F.D., Akbulut, F.M. 2021. Efficiency of entomopathogenic nematode *Heterorhabditis bacteriophora* (Rhabditida: Heterorhabditidae) on the potato tuber moth (*Phthorimaea operculella* (Zeller)) (Lepidoptera: Gelechiidae) under controlled conditions. Cilt 31, Sayı 2, 170 – 174. ANADOLU, Ege Tarımsal Araştırma Enstitüsü (ETA) Dergisi

Erdoğan F.D., **Yağcı, M.**, Akdeniz Fırat, T. 2022. Investigating the efficacies of the entomopathogenic nematodes on the last instar larvae of the codling moth (*Cydia pomonella*) (L.) (Lepidoptera: Tortricidae) under laboratory conditions. *Bitki Koruma Bülteni*. Kabul edildi.

Yağcı, M. 2022. Determination of the efficacy of two local *Beauveria bassiana* (Bals.-Criv.) Vuill, 1912 (Hypocreales: Cordycipitaceae) isolates (Bb-1 and Bv-1) against root-knot nematodes. *J. Glob. Innov. Agric. Sci.*, 10(1):37-41.



GOKHAN BENK, MSc
Agricultural Engineer

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- **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**