



**TAGEM**  
R&D AND INNOVATION

BIOLOGICAL CONTROL RESEARCH  
INSTITUTE - ADANA

## DR. MIRAC YAYLA

### Agricultural Engineer

## EDUCATION

- PhD** Cukurova University  
2011- 2017 Faculty of Agriculture- Plant Protection
  - MSc** Cukurova University  
2007-2011 Faculty of Agriculture- Plant Protection
  - Bachelor's Degree** Cukurova University  
2003-2007 Faculty of Agriculture- Plant Protection
- LANGUAGE** English YÖKDİL 62 / YDS 55

## CAREER


- June 2005– September 2005 **Summer Internship at Ecofit Company in Germany** ( Organic fresh fruit and vegetable marketing - 120 days)
- 2010-2017 Agricultural Engineer at Yumurtalık/Adana District Directorate of Agriculture
- 2014-2016 Acting Director at Yumurtalık/Adana District Directorate of Agriculture
- 2017-2018 Agricultural Engineer at the Biological Control Research Institute
- 2018- 2019 Assistant Director at the Biological Control Research Institute
- 2021-Continued Acting Director at the Biological Control Research Institute

## ABOUT ME


He was born in 1982 in Malatya. In 2007, he graduated from Cukurova University, Faculty of Agriculture. In 2010, he started to work as an Agricultural Engineer in Yumurtalık District Directorate of Agriculture and Forestry. He completed his doctorate in Çukurova University, Department of Plant Protection in 2017.

In 2007, he researched on Fruit and Vineyard Pests in the Department of Entomology at the Biological Control Research Institute. He has been working as the Institute Director in the same institution since 2021.

## CONTACT

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## DR. MIRAC YAYLA Agricultural Engineer



### ■ **PROJECTS**

#### ■ **Projects Conducted**

- 2004–2005 Organic Tomato Production Project in Aladag and Mountain Villages
- 2004-2005 IPM project in Balcalı Citrus Gardens (With All Control Methods)
- 2005-2007 Tracking the Population Distribution of Some Pests and Predators in Balcalı Citrus Gardens
- 2007-2010 Effects of Temperature on Development and Reproduction of *Sympherobius Pygmaeus* (Rambur) (Neuroptera: Hemerobiidae) on *Planococcus Citri* Rissio (Hemiptera: Pseudococcidae) (Master)
- 2008–2010 Assistant researcher about new approaches in melon (*Cucumis melo* L.) breeding and research on genetic diversity (The development of 4 different types of *Aphis gossypii* in different melon varieties)
- 2011-2017 Investigation of Usage Possibilities of *Sympherobius pygmaeus* (Rambur) (Neuroptera: Hemerobiidae) to Control *Planococcus citri* (Rissio) (Hemiptera: Pseudococcidae) in Citrus Orchards (Doctoral Thesis)
- 2014-2016 Project to determine 2 decaare greenhouse project for 8 farmers in Hamzalı neighborhood of Yumurtalık district (within the **BTC Community Development Initiative** project) (Project leader)
- 2018-2020 ; Mediterranean Fruit Control Pilot Implementation Project in Adana- Osmaniye- Hatay- Mersin Provinces- General Directorate of Food and Control
- 2018- 2020 Investigation of Integrated Control Opportunities of a New Pest Hawaiian flower trips [Thrips hawaiiensis (Morgan) (Thysanoptera: Thripidae)] in the Citrus Gardens of Mersin Province, Mezitli and Toroslar /Mersin

#### ■ **Continued Projects**

- 2018-2020 Biotechnical Control Project with Mediterranean Fruit Fly in Peach Fields of Mersin Province- General Directorate of Food and Control
- 2020- ;Research on Determination of Plant Diseases and Pests in Banana (*Musa* spp) Production Areas and Control of Some Agents (Agricultural Research and Policy General Directorate)
- 2021- Enhancing mass production opportunities and Supporting the Parasitoid *Aphytis melinus* (How.) (Hymenoptera: Aphelinidae) of the Citrus Red Barberry (*Aonidiella aurantii* Maskell (Hemiptera: Diaspididae)) in Citrus Fields of the Eastern Mediterranean Region and by Biological Control Application
- 2022 - Determination of Harmful Species, Parasites and Predators in Grape Fruit Fields of Mediterranean Region, Studies on Important Species (TAGEM)



DR. MIRAC YAYLA  
Agricultural Engineer



▪ **ACADEMIC PUBLISHING**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. **Yayla, M.**, & Satar, S. (2012). Temperature influence on development of *Symphorobius pygmaeus* (Rambur)(Neuroptera: Hemerobiidae) reared on *Planococcus citri* (Risso)(Hemiptera: Pseudococcidae). *Türkiye Entomoloji Dergisi*, 36(2), 11-22.
2. **Yayla, M.**, & Satar, S. (2013). Effect of different food on adult productivity of *Symphorobius pygmaeus* (Rambur)(Neuroptera: Hemerobiidae). *IOBC-WPRS Bulletin*, 95, 153-160.
3. **Yayla, M.**, & Satar, S. (2018). Akdeniz Meyvesineği'nin mücadelesinde farklı yöntemlerin etkinliği. *Türkiye Entomoloji Bülteni*, 7(4), 267-276.
4. Satar, S., Tusun, A., **Yayla, M.**, & Tiring, G. (2019). The Effect of tau-fluvalinate on *Amblyseius swirskii* Athias-Henriot and *Euseius scutalis* Athias-Henriot (Acari: Phytoseiidae). *Turkish Journal of Agriculture-Food Science and Technology*, 7(12), 2190-2197.
5. **Yayla, M.**, Tusun, A., & Satar, S. (2020). The Potential of *Symphorobius pygmaeus* as a Biological Agent Against *Planococcus citri* in Citrus Orchards. *Journal of the Entomological Research Society*, 22(1), 1-12
6. SATAR, S., TİRİNG, G., İŞPINAR, D., & **YAYLA, M.** (2020). Adana ekolojik koşullarında *Phyllocoptruta oleivora* (Ashmead)(Acari: Phyllocoptidae)'nın popülasyon gelişmesi. *Bitki Koruma Bülteni*, 60(1), 11-16
7. **YAYLA, M.**, TOLGA, M. F., HELVACIOĞLU, Ö., & KAHYA, D. (2022) *Ceratitis capitata* (Wiedemann, 1824)(Diptera: Tephritidae)'nin İzmir, Aydın ve Mersin Şeftali Bahçelerinde kitle yakalama tekniğinin etkinliğinin belirlenmesi. *Plant Protection Bulletin*, 62(2), 18-25.

▪ **International Papers, Seminars, etc.**

1. Z. Akdağcık, **M.YAYLA**, M.R.ULUSOY (2011)Lahana Kelebeği (*Pieris brassicae* L.) (Lepidoptera Pieridae)'nin Yumurta Bırakma tercihinin konukçu Bitki renginin Etkisi Türkiye IV. Bitki koruma Kongresi Bildirileri 28/30-06-2011 EP-264
2. **M.Yayla**, S.Satar, S.CANBULAT (2012) Detarminig The Fauna Of Neueportera Cin Citrus Orchards Of Çukurova University Research And İmplementation Farm First İnternational Biology Congress İn Kyrgyzstan 24-27 September 2012, Kyrgyzstan-Turkey Manas University
3. **Yayla, M.**, & Satar, S. (2013). Effect of different food on adult productivity of *Symphorobius pygmaeus* (Rambur)(Neuroptera: Hemerobiidae). *Integrated Control in Citrus Fruit Crops IOBC-WPRS Bulletin*, 95, 153-160.
4. **M.Yayla**, S. Satar (2018) Farklı avlar üzerinde *Symphorobius pygmaeus* (Rambur) (Neuroptera:Hemerobiidae)'un gelişme süresi, ölüm oranı ve üreme gücünün belirlenmesi Türkiye VII. Bitki Koruma Kongresi (Uluslararası Katılımlı), 14-17 Kasım 2018, Muğla, Türkiye
5. HAZIR, Adalet , KARACA OGLU, Mehmet , **YAYLA, Mirac** , OKSAL, Hatice D., SIPAHIOGLU, Hikmet M Phylogenetic Analysis Of Intraspecific Variation In *Ceratitis Capitata* (Diptera: Tephritidae) In Turkey Istanbul Scientific Research Congress October 30-31, 2021



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- **NATIONAL ARTICLES AND PAPERS**
- **Articles Published in National Journals**
- **National Papers, Seminars, etc.**
- **OTHER PUBLICATIONS**
- **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. 2007-2010 Effects of Temperature on Development and Reproduction of *Symphorobius Pygmaeus* (Rambur) (Neuroptera: Hemerobiidae) on *Planococcus Citri* Rissio (Hemiptera: Pseudococcidae) (Master)
2. 2011-2017 Investigation of Usage Possibilities of *Symphorobius pygmaeus* (Rambur) (Neuroptera: Hemerobiidae) to Control *Planococcus citri* (Rissio) (Hemiptera: Pseudococcidae) in Citrus Orchards (Doctoral Thesis)



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- **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**
- **Membership**
- Entomological Society of Turkey
- Biological Control Society