



**TAGEM**  
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL  
RESEARCH INSTITUTE/ ANTALYA

## SELDA ÇALIŞKAN, PhD Agricultural Engineer

### EDUCATION

Assoc. prof

**PhD** Tokat Gaziosmanpaşa University  
2019 Faculty of Agriculture/Plant Protection/Nematology

**MSc** Akdeniz University  
2008-2011 Faculty of Agriculture/Plant Protection/Entomology

**Bachelor's Degree** Akdeniz University  
2003-2007 Faculty of Agriculture/Plant Protection

**LANGUAGE** English YÖKDİL 61.25/YDS 55

### CAREER

2011-Agricultural Engineer/Researcher Batı Akdeniz Agricultural  
Research Institute (BATEM)

### ABOUT ME

I was born in Gazipaşa in 1983. In 2007, she graduated from Akdeniz University, Faculty of Agriculture, Department of Plant Protection. In 2011, she completed his master's degree in Akdeniz University, Faculty of Agriculture, Department of Plant Protection. In 2019, she received his doctorate in Tokat Gaziosmanpaşa University, Faculty of Agriculture, Department of Plant Protection/Nematology.

It has been found in the diagnosis/diagnosis studies of Plant Parasite Nematodes. He continues his research on the diagnosis of root-knot nematodes and the determination of the resistance of some plant genotypes against root-knot nematodes.

### CONTACT

Boztepe Mah. Batı Akdeniz Tarımsal  
Araştırma Enstitüsü Aksu Yerleşkesi  
Antalya-Aksu Karayolu 22. Km Expo2016  
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### PROJECTS

#### Projects Conducted

1. Arthropods on the sublethal effects of pesticides (M.Sc., BAP, 2008-2011, Project Leader).
2. İki Avcı, *Orius laevigatus* (Fieber) (Hem.: Anthocoridae) ve *Serangium parcesetosum* Sicard (Col.: Coccinellidae) (Thys.: Thripidae) ve *Bemisia tabaci* (Genn.) (Hom.: Aleyrodidae)'ye Karşı Birlikte Kullanım Olanaklarının Araştırılması (2008-2011, TÜBİTAK, Scholarship).
3. Strengthening the Plant Protection Laboratory Infrastructure Improvement of Seeds and Seedlings Sector Competitiveness (2012-2013, BAKA, Researcher).
4. Developing a Pool of Novel and Eco-Efficient Application of Zeolite for the Agriculture Sector (ECO-ZEO FP7-ENV-2011 / activity ENV.2011.3.1.9-1/Topic 1) (2012-2016, AB 7. Ç. Program, Researcher).
5. Identification of Plant Parasitic Nematodes in Plantations of Pomegranate in Antalya Province (2013-2017, TAGEM, Project Leader).
6. Detection of phytoplasma diseases and possible vector species in vineyard areas of Antalya with determination of measures to be taken (2013-2017, TAGEM, Researcher).
7. Studies on determination of prevalence and management of important pests encountered on some minor vegetable species in Antalya province (2016-2018, TAGEM, Researcher).
8. Eggplant Breeding Programs for Qualified genetic donors (Midway Material) Development and Technology Project (2015-2019, TAGEM, Researcher).
9. Faunistic and Systematic Investigations on the Species of Plant Parasitic Nematodes in Raspberry (*Rubus idaeus* L.) and Blackberry (*Rubus fruticosus* L.) in Some Orchards in Turkey. (2012-2019, Phd., Project Leader).

#### Ongoing Projects

1. Cucumber Rootstock Breeding-II (2019-2023, TAGEM, Researcher).
2. Development of Qualified Lines and Varieties for Melon Breeding Programs-II (2020-2024, TAGEM, Researcher).
3. Eggplant Breeding Programs for Qualified genetic donors (Midway Material) Development and Technology Project (2020-2024, TAGEM, Researcher).
4. Determination of Root-knot Nematodes (*Meloidogyne* spp.) In Eggplant and Pepper Production Areas in Antalya Province and Determination of Resistance of Some Eggplant and Pepper Genotypes (2021-2023, TAGEM, Project Leader).
5. Isolation and Identification of Nematode Trap Fungi from Soils of the Western Mediterranean Region and Their Possibilities to Use as Bionematicides Against Root-knot Nematode *Meloidogyne incognita* (2022-2025, TÜBİTAK-1001, Researcher).



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### ■ **PUBLICATIONS**

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

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

1. Polat, İ., Ünlü, A., Keçeci, M., Özdemir, M., Öztıp, A. and **ÇALIŞKAN S.** 2018. Efficiency of Zeolite as Alternative Product for Controlling Downy Mildew (*Plasmopara viticola*) in Table Grape. The Journal of Turkish Phytopathology, Vol. 47 No. 3, 93-103, 2018. ISSN 0378 – 8024. Received: 30 April 2018 Accepted for publication: 23 January 2020.

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

1. **ÇALIŞKAN, S.**, Ünlü, A. ve Öztıp A. 2016. Akdeniz Meyve Sineği *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae)'ya Karşı Farklı Ekstrakt ve Zeolitin Etkinliğinin Belirlenmesi. Uluslararası Katılımlı Türkiye VI. Bitki Koruma Kongresi, 5-8 Eylül, Konya. S.389.
2. Kepenekci, İ., Sağlam, H.D., Kordalı, Ş., **ÇALIŞKAN, S.** ve Usanmaz Bozhuyuk., A. 2016. *Nepeta meyeri* Bitki Ekstraktının Doğal Koşullar Altında Domateste Kök-Ur Nematodlarına Karşı Nematisidal Etkisi. Uluslararası Katılımlı Türkiye VI. Bitki Koruma Kongresi, 5-8 Eylül, Konya. S.456.
3. Toppino, L., Ribolzi S., Shaaf S., Bassolino, L., Carletti, G., Fadda, S., Rossino, L., Boyacı, H. F., **ÇALIŞKAN, S.**, Ünlü, A. and Rotino, G. L. 2018. Development of an introgressed population and genetic mapping of novel traits linked to key breeding traits in eggplant. Proceedings of the LXII SIGA Annual Congress Verona, Italy-25/28 September, 2018. ISBN 978-88-904570-8-1.
4. Kepenekci, İ., Keleş, G. ve **ÇALIŞKAN, S.** 2018. Plant Parasitic Nematodes (Nematoda) of Maize (*Zeamays* L.) Planting Area in Tokat (Turkey). 6. ASM International Congress of Agriculture and Environment-ICAE 2018. November, Antalya. (Tam Metin Bildiri) P.265-272.
5. Toppino, L., Ribolzi, S., Shaaf S., Rossino, L., Boyacı H.F., **ÇALIŞKAN, S.**, Ünlü, A., Bassolino, L., İrdanli T., Fadda, S., Rotino, G.L., 2019. Introgression breeding in eggplant from *S. tomentosum* and genetic mapping of novel key agronomical traits. 17th International Eucarpia Meeting on Genetics and Breeding of Capsicum and Eggplant "CapsEgg2019", 11-13th September 2019, Avignon, France. (Oral).
6. Ocal, A., **ÇALIŞKAN, S.**, Behmand, T., Öztürk, L. and Elekcioglu, I.H. 2019. Plant Parasitic Nematodes Associated With Corn (*Zeamays* L.) Growing Areas in Adiyaman Province, Turkey. International Biological, Agricultural and Life Science Congress. November 7-8 2019. Lviv, Ukraine. (Oral).
7. **ÇALIŞKAN, S.**, Ocal A., and Öztıp, A. 2019. Molecular Diagnosis of Root-knot Nematodes Detected in Pomegranate Gardens in Antalya Province. 1<sup>st</sup> International Molecular Plant Protection Congress. 10-13 April, Adana. P.96.



## SELDA ÇALIŞKAN, PhD Agricultural Engineer



### ▪ **OTHER PUBLICATIONS**

#### ▪ **Ph.D. Thesis, Master Thesis, Reports, Booksetc.**

1. Arthropods on the sublethal effects of pesticides (M.Sc., BAP, 2008-2011)
2. Faunistic and Systematic Investigations on the Species of Plant Parasitic Nematodes in Raspberry (*Rubusidaeus* L.) and Blackberry (*Rubusfruticosus* L.) in Some Orchards in Turkey. (2012-2019, Phd.).
3. ÇALIŞKAN, S.2017. Kök-Ur Nematodlarıyla Mücadelede Solarizasyon Uygulaması. Köyüm Dergisi 2, Sayı 18/68-71. ISSN 2458-9985.



## SELDA ÇALIŞKAN, PhD Agricultural Engineer



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

1. International Nematode Diagnosis and Identification Course 2012, 29th September-4th October 2012, Eskişehir.
2. Diagnostic Weighted Nematology Training, 02-06 June 2014, Ankara.
3. FAO Destekli TSÜAB Tohumculuk Eğitim Programı-1, 12-16 September 2011, Antalya.
4. I. National Plant Health Vegetables and Ornamentals Industry Working Group Meeting, 28-29 November 2012, Antalya.
5. V. Turkey Plant Protection Congress, 03-05 February 2014, Antalya.
6. ARDEB National Academic R & D support and Proposal Preparation Training Presentation, 08-09 March 2014, Antalya
7. Project Cycle Management Training, 01-05 September 2014, Antalya
8. Integrated Crop Management Symposium on Tomato Cultivation, 20-22 November 2014, Kumluca, Antalya
9. Pomegranate Workshop, 24-25 November 2014, Antalya
10. Turkey 6<sup>th</sup> Plant Protection Congress with International Participation, 5-8 September 2016, Konya
11. 1<sup>st</sup> International Molecular Plant Protection Congress. 10-13 April 2019, Adana