



TAGEM
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL
RESEARCH INSTITUTE/ANKARA

Senem TÜLEK, MSc Agricultural Engineer

EDUCATION

- **Assoc. prof**
 - **PhD** 2014 Ankara University
Faculty of Agriculture
 - **MSc** 2007-2010 Ankara University
Faculty of Agriculture
 - **Bachelor's Degree** 2000-2004 GOP University
Faculty of Agriculture
- LANGUAGE** English

CAREER

- 2007-... Researcher, ZMMAE, Directorate of Plant Protection
Central Research Institute/Ankara
- 2005-2007 Agr. Kilis provincial directorate of agriculture and
forestry - ANKARA

ABOUT ME

I graduated from GOP University, Faculty of Agriculture, Department of Plant Protection in 2005. I completed my master's degree in 2012.

I worked at Kilis provincial directorate of agriculture and forestry between 2005-2007. I have been working in the Phytopathology Department of Ankara Plant Protection Central Research Institute since 2007.

CONTACT

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Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. **Determination Of Fungal Diseases And Their Incidence Rate In Carrot Production Areas In Ankara Province.** Leader, TAGEM (2009-2012)
2. **Studies on the Prevalence and Control Opportunities of Angular Leaf Spot Disease (*Pseudocercospora griseola*) in Covered Beans in the Western Black Sea Region** , Assistant researcher, TAGEM (2008-2013).
3. **Determination of Susceptibility of Early Blight of Tomatoes (*Alternaria spp.*) to Some Fungicides.** Assistant Researcher, TAGEM (2003-2016)
4. **Creation of collections and cataloging of pathogenic bacteria, fungi and viruses in plants.** Assistant Researcher, TAGEM, (2015-2019).
5. **Creation of collections and cataloging of pathogenic bacteria, fungi and viruses in plants.** Assistant Researcher, TAGEM (2019-2023),).
6. **Studies on the Identification and Control of Diseases, Pests and Weeds in Edible Leaf Vegetables in the Central Anatolia Region.** TAGEM (2015-2019), Assistant Researcher).
7. **Investigation of the Prevalence and Density of Weed Species in the Sunflower Planting Areas of Ankara Province and the Use of Fungal Pathogens on Important Species in Biological Control.** Assistant Researcher, TAGEM (2014-2018)
8. **Determination of Gray Mold Disease Agent (*Botrytis cinerea Pers.*) against Some Fungicides by Microtiter Test and Molecular Methods in Greenhouse Tomato Cultivation in Antalya Province.** Assistant Researcher, TAGEM (2017-2021)
9. **Expanding Kahramankazan Caterpillar Black Melon Cultivation.** Ankara Metropolitan Municipality-Ankara Provincial Directorate of Agriculture and Forestry, Assistant Researcher, TAGEM (2017-2021)
10. **Project for Evaluation of Biological Efficacy of Licensed Pesticides.** Assistant Researcher, GKGM (2017-2018)

▪ **Ongoing Projects**

1. **Determination of Prevalence And Vegetative Incompatibility Groups of White Rot Disease Caused *Sclerotinia sclerotiorum* and *Sclerotinia minor* In Production Lettuce Areas And Investigation of Control Possibilities.** Leder, TAGEM (2019-2022),
2. **Molecular Diagnosis of Diseases in Soil-Based Diseases in Potatoes,Leade.** Leader, TAGEM (2018-2021)
3. **Management of Plant Genetic Resources of the National Botanical Garden of Turkey.** TAGEM (2020-2022)
4. **Gateway Region Dry Bean Breeding Research Project.** Assistant Researcher ,TAGEM (2018-2022)
5. **Gateway District Chickpea Breeding Research Project.** Assistant Researcher. TAGEM (2018-2022)
6. **National Dry Bean Breeding Research Project,** Assistant Researcher, TAGEM (2019-2023)
7. **Studies on Detection and Control of Diseases and Pests in Central Anatolia Region Cumin (*Cuminum cyminum L.*) Cultivation Areas.** (Assistant Researcher –TAGEM, 2021-2224)



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

▪ Ozan S., Kurbetli İ., Değirmenci K., Tülek S., 2012. First report of leaf blight of arborvitae (*Thuja orientalis*) caused by *Pestalotiopsis* sp. in Turkey. *New Disease Reports* , (2012), 25, 14. .

▪ TÜLEK, S. and DOLAR, F.S.2015. Detection and identification of *Alternaria* species causing diseases of carrot in Ankara province, Turkey. Published in *Scientific Papers. Series B, Horticulture. Volume LIX:263*

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

1. TÜLEK, S., OZAN, S., OZBEN, S. 2014. Bitter Rot Agent *Geotrichum candidum* in Carrots Storages. *Proceedings of The Fifth Plant Protection Congress of Turkey, 3-5 February, 2014, Antalya.*
2. OZAN, S., TÜLEK, S., DEMİRCİ, F. 2015. Chemical control possibilities of angular leaf spot disease caused by *Pseudocercospora griseola*, on common beans in Western Black Sea Region. *Plant Protection Bulletin, No: 50 (2): p.131-141.*
3. TULEK, S., CANPOLAT, S. 2016. Effects of some fungicides against powdery mildew (*Erysiphe heraclei* D. C.) of carrot. *Plant Protection Bulletin, No: 56 (4): p.349-358.*
4. CANPOLAT, S., TULEK, S. 2016. Important fungal diseases in winter vegetables. *TÜRKTOB (Journal of Turkish Seed Growers Association), Ocak-Mart 2016, Yıl:5, Sayı:17.*
5. CANPOLAT, S., TULEK, S. 2016. The Studies on the Detection of Diseases of Leafy Vegetables in Middle Anatolian Region. *Turkey 6th Plant Protection Congress with International Participation, page 734, September 5-8, 2016 Konya, TURKEY.*
6. TULEK, S., CANPOLAT, S. 2016. Black Rot Disease in Carrot Stores in Ankara and Konya Provinces. *Turkey 6th Plant Protection Congress with International Participation, page 787, September 5-8, 2016 Konya, TURKEY.*
7. Tülek S., Fırat T A., Ertek T S., 2017. Efficacy of Entomopathogenic Fungi against *Tribolium confusum* Under Laboratory Conditions. *6th Entomopathogens & Microbial Control Congress, .*
8. ERDURMUŞ, G., CANPOLAT, S., TULEK, S. 2016. Determination of the Susceptibility of Early Leaf Blight Disease Pathogen (*Alternaria* spp.) to Azoxystrobin in Tomatoes. *Turkey 6th Plant Protection Congress with International Participation, page 691, September 5-8, 2016 Konya, TURKEY.*
9. UNAL, F., TULEK, S., YILDIRIM, A. F., CANPOLAT, S., BİNGÖL, Ü., KURBETLİ, İ., GÖKDEMİR, F. Ş. and DOLAR, F. S. 2016. Mushrooms Species Created Problems on Turfgrass Areas in Turkey. *Turkey 6th Plant Protection Congress with International Participation, page 691, September 5-8, 2016 Konya, TURKEY.*
10. TÜLEK, S., CANPOLAT, S. ve DOĞU MERMER, D. 2016. Ankara ve Konya illerinde depolanmış havuçlarda görülen sorunlar. *VII. Garden Products Conservation and Marketing Symposium, 4-7 Ekim 2016, Eğirdir/ISPARTA*
11. TÜLEK, S., DOĞU MERMER, D. ve CANPOLAT, S. 2016. Gray Mold Agent *Botrytis cinerea* in Carrot Storage. *VII. Garden Products Conservation and Marketing Symposium, 4-7 Ekim 2016, Eğirdir/ISPARTA.*
12. OZAN, S., İ. KURBETLİ, K. DEĞİRMENCİ, S. TÜLEK, 2011. Leaf Blight Caused of *Pestalotiopsis photiniae* of *Thuja* Morphological and Molecular Detection. *Proceedings of The Fourth Plant Protection Congress of*



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13. Ünal, F., Tülek, S., Bingöl, M.Ü., Yıldırım, A.F., Canpolat, S., Öztürk, Ö., Eğerci, Y., Kurbetli, İ., Ünlü, A., Dolar, F.S. 2017. Molecular Identification and Virulens of Fungi on White Clover on Turfgrass Areas in Turkey. International Balkan Agriculture Congress Proceedings Book, 86. 16-18 Mayıs 2017, Tekirdağ, Türkiye.
14. Ünal, F., Bingöl, M.Ü., Eğerci, Y., Kurbetli, İ., Tülek, S., Öztürk, Ö., Dolar, F.S. 2018. Pythium Blight Injury on Turfgrass Areas in Turkey. I. International Agricultural Sciences Congress Proceedings Book, 550. 9-12 Mayıs 2018, Van, Türkiye.
15. Ünal, F., Eğerci, Y., Bingöl, M.Ü., Tülek, S., Kurbetli, İ., Yıldırım, A.F., Ünlü, A., Dolar, F.S. 2017. Red Thread (*Laetisaria fuciformis*) Disease and Damage in Stadiums and Golf Courses in Turkey. II. International Agricultural Sciences Congress Proceedings Book, 65. 16-18 Mayıs 2017, Tekirdağ, Türkiye.
16. Canpolat, S., Tülek, S., Doğu Mermer, D. 2017. Determination of Seed Transmitted Fungal Diseases of Sainfoin. 2nd International Agricultural Sciences Congress Proceedings Book, 16-18 May 2017, Tekirdağ, Turkey (Poster)
17. Tülek, S., Canpolat, S. 2019. Molecular and morphological diagnosis of Alternaria species causing black root rot disease in carrots (Poster). 1st International Molecular Plant Protection Congress", April 10-13, 2019, Adana, Turkey.
18. Canpolat, S., Tülek, S., Ertek Sargül, T. Yağmur, A. 2019 Molecular and Morphological Identification of Fungal Diseases of Dry Bean Fields in Turkey (Poster). 1st International Molecular Plant Protection Congress", April 10-13, 2019, Adana, Turkey.
19. Ünal, F., Eğerci, Y., Bingöl, M.Ü., Tülek, S., Kurbetli, İ., Yıldırım, A.F., Ünlü, A., Dolar, F.S. 2017. Red Thread (*Laetisaria fuciformis*) Disease and Damage in Stadiums and Golf Courses in Turkey. II. International Agricultural Sciences Congress Proceedings Book, 65. 16-18 Mayıs 2017, Tekirdağ, Türkiye.
20. Ünal, F., Tülek, S., Bingöl, M.Ü., Yıldırım, A.F., Canpolat, S., Öztürk, Ö., Eğerci, Y., Kurbetli, İ., Ünlü, A., Dolar, F.S. 2017. Molecular Identification and Virulens of Fungi on White Clover on Turfgrass Areas in Turkey. II. International Agricultural Sciences Congress Proceedings Book. 86. 16-18 Mayıs 2017, Tekirdağ, Türkiye.
21. Ünal, F., Bingöl, M.Ü., Eğerci, Y., Kurbetli, İ., Tülek, S., Öztürk, Ö., Dolar, F.S. 2018. Pythium Blight Injury on Turfgrass Areas in Turkey. I. International Agricultural Sciences Congress Proceedings Book, 550. 9-12 Mayıs 2018, Van, Türkiye.



22. Ünal, F., Kurbetli, İ., Ünlü, A., Tülek, S., Akıncı, Y., Öztürk, Ö., Bingöl, M.Ü. 2017. Occurrence, Damage and Molecular Identification of Slime Mold (*Physarum cinereum*) Fungi in Turfgrass Areas in Turkey. XIII, UKECEK 2017), 712. 12–15 Eylül 2017, Edirne.
23. Ünal, F., Kurbetli, İ., Tülek, S., Öztürk, Ö., Akıncı, Y., Ünlü, A., Dolar, F.S. 2017. Detection and Virulens of *Blumeria graminis* (Powdery Mildew) on Turfgrass Areas in Turkey. XIII. UKECEK 2017. 711. 12–15 Eylül 2017, Edirne.
24. Ünal, F., Kurbetli, İ., Ünlü, A., Tülek, S., Akıncı, Y., Öztürk, Ö., Bingöl, M.Ü. 2017. Occurrence, Damage and Molecular Identification of Slime Mold (*Physarum cinereum*) Fungi in Turfgrass Areas in Turkey. XIII. UKECEK 2017, 712. 12–15 Eylül 2017, Edirne.
25. Tülek, S., Canpolat, S. 2019. Molecular and morphological diagnosis of *Alternaria* species causing black root rot disease in carrots (Poster). 1st International Molecular Plant Protection Congress”, April 10-13, 2019, Adana, Turkey.
26. Canpolat, S., Tülek, S., ERTEK SARIGÜL, T. YAĞMUR, A. 2019 Molecular and Morphological Identification of Fungal Diseases of Dry Bean Fields in Turkey (Poster). 1st International Molecular Plant Protection Congress”, April 10-13, 2019, Adana, Turkey.
27. Tülek, S., Çakır, E., Ertek Sarigül, T., Canpolat, S. 2019. Molecular studies on the pathogenesis of *Synchytrium endobioticum*, (Poster). 1st International Molecular Plant Protection Congress”, April 10-13, 2019, Adana, Turkey.
28. Tülek S., Dolar F.S.,2019. Pathogenicity Methodology of *Rhizoctonia solani* in carrot. The Fourth International Symposium on Agricultural Engineering, Belgrade, Serbia. 31st October – 2nd November 2019.
29. Nigrospora Blight in Turfgrass Areas in Turkey ÜNAL F.,Tülek S.,Eğerci Y.,Büyük O.,Çelik E. 1st InternationalMolecular PlantProtectionCongress,Adana,10 -13Nisan2019
30. *Alternaria* Species Isolated fromTurfgrass Areas in Turkey ÜNAL F.,Tülek S.,DOLAR F.S.,Büyük O. InternationalAgriculturalSciencesCongress,Van,9 -12Mayıs2018.
31. Türkiye çimallerindeki ak üçgül erdeği (*Trifolium repens* L.) funguslarının belirlenmesi ve patojenite çalışmaları ÜNAL F.,TÜLEK S.,BİNGÖL M.Ü.,ÖZTÜRK Ö.,EĞERCİ Y.,KURBETLİ İ.,CANPOLAT S.,SARPKAYAK.,ÜNLÜ A.,DOLAR F.S. Plant Protection Bulletin,60, sa.1, ss.63-69,2020.
32. TÜLEK S., ÖZBEN S., 2013. Warehouse Diseases in Potatoes and Their Management, Symposium on Potato Harmful Organisms. 4-7 November, 2013
33. Canpolat, S., Tülek, S. 2016. Fungal Diseases of Vegetables with Edible Leaves in Central Anatolia Region. Turkey with International Participation VI. Plant Protection Congress Proceedings, Page 734, 5-8



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