



TAGEM
R&D AND INNOVATION

PLANT PROTECTION CENTRAL RESEARCH
INSTITUTE/ ANKARA

Tülin SARIGÜL ERTEK

Agricultural Engineer

EDUCATION


- Assoc. prof**
- PhD** Ankara University
2014-.... Graduate School Of Natural and Applied Sciences,
- MSc** Ankara University
2010-2013 Graduate School Of Natural and Applied
- Bachelor's Degree** Ankara University
2005-2010 Faculty of Agriculture Department of
- LANGUAGE** English YÖKDİL 87.5 / YDS 76,25

CAREER


- 2013-** Agricultural Engineer (MSc.) - Department of
Phytopathology / Fruit and Vineyard Fungal Diseases Unit
-Directorate of Plant Protection Central Research Institute-
ANKARA
- Bolu Food Inspection Laboratory-2011-2013**

ABOUT ME

CONTACT

 Gayret Mah. Fatih Sultan Mehmet Bulv.
No:66 Yenimahalle / Ankara
06172 TÜRKİYE

 tulin.sarigulertek@tarimorman.gov.tr

 0312 344 59 94-1305



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▪ **PROJECTS**

▪ **Projects Conducted**

- 1- Detection of Fungal Diseases and Plant Parasitic Nematodes in Strawberry Planting Areas in the Central Anatolia Region, Determination of Prevalence Rates and Varietal Reactions
-1.6.2017-Leader-TAGEM
- 2- Detection of Phytophthora Species in Bursa Fruit (Apple, Walnut, Cherry, Peach) and Isparta Province Apple Nursery and Determination of Reactions of Some Apple Rootstocks to Aggressive Species (PhD-Continued)

▪ **Ongoing Projects**

- 1- National Dry Bean Breeding Project- 1.1.2023 - Assistant researcher –TAGEM
Creating collections and cataloging of pathogenic bacteria, fungi and viruses in plants. -31.12.2018-
Assistant researcher- TAGEM
- 2- Validation and development of molecular methods for the detection and identification of European Monilinia species -31.1.2018- Assistant researcher- EU Project
- 3- Determination of Wood Tissue Fungal Diseases in Central Anatolia Region Vineyards and Their Prevalence Rates and Phaeoacremonium spp. Obtaining Free Plants from Cylindrocarpum spp.-
31.1.2018 – Assistant researcher -TÜBİTAK - TÜBİTAK COST
- 4- Detection, Prevalence and Presence of Hypovirulent Races of *Cytospora* spp. 31.12.2016 –Assistant researcher -TAGEM



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■ PUBLICATIONS

■ INTERNATIONAL ARTICLES AND PAPERS

■ Articles Published in International Journals

- 1- Çakır E., Ertek T S., Katircioğlu Y. Z., Maden S., 2020. Occurrence of potato pink rot caused by *Phytophthora erythroseptica* in Turkey, with special reference to *Phytophthora cryptogea*. *Australasian Plant Disease Notes*, (2020) 15:14 .
- 2- Babu B., Washburn B.K., Miller S.H., Poduch K., Sarigul T., Knox G. W., Ochoa-Corona F M and Paret M L .2017. A rapid assay for detection of Rose rosette virus using reverse transcription-recombinase polymerase amplification using multiple gene targets. *Journal of Virological Methods*, volume 240.
- 3- Ertek T S., Babu B, Washburn B.K., Miller S.H., Paret M.L., . A field based detection method for Rose rosette virus using isothermal probe-based Reverse transcription-recombinase polymerase amplification assay. *Journal of Virological Methods*, .
- 4- Ertek T S., Amaradasa B.S., Default N, Sanchez T, Iriarte F., Paret M.L., . First Report of *Fusarium oxysporum* f. sp. *niveum* Race 3 Causing Wilt of Watermelon in Florida, USA. *Plant Disease*.
- 5- Avan M, Palacioğlu G, Ertek T S, Katircioğlu Y Z, Bayraktar H, Kaya R, Maden S. 2020. Sugar beet root rots caused by oomycetous pathogens in Turkey, their control by seed treatment. *Tübitak*, .
- 6- Fulton J.C., Amaradasa B.S., Ertek T.S., Iriarte F.B., Sanchez T., Ji P., Paret M.L., Hudson O., Ali E. Dufault N. 2021. Phylogenetic and phenotypic characterization of *Fusarium oxysporum* f. sp. *niveum* isolates from Florida-grown watermelon. Published: March 25, 2021. <https://doi.org/10.1371/journal.pone.0248364>.
- 7- Özben S., Ertek T. S, F. Demirci, Uzunok S., Ü. Taniker. 2022. First report of *Idriella lunata* associated with trunk diseases of grapevine in Turkey. *Journal of Plant Pathology* (2023) 105:341.

■ International Papers, Seminars, etc.

- 1- Taniker Ü., Özben S., Ertek T S., 2019. Molecular and morphological identification of fungal diseases of kiwi fruit orchard in Western Black Region.. 1st International Molecular Plant Protection Congress,
- 2- Mermer, Doğu, D., Ertek T S., CANPOLAT S., 2019. Molecular identification of *Bremia lactucae* causing downy mildew in lettuce in Turkey. (Oral presentation). 1st International Molecular Plant Protection Congress”, April 10-13, 2019, Adana, Turkey., .
- 3- Tülek S., CANPOLAT S., Ertek T 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., .
- 4- Ünal F., Büyük O., Ertek T S., 2019. First Report of Rice Sheath Blight Disease Caused by *Rhizoctonia solani* AG-1 IA in Turkey.. II. Uluslararası Tarım Kongresi Bildiri Kitapçığı, 21-24 Kasım 2019, Ankara, s16.
- 5- Çakır E., Bahtiyarca Bağdat, R., Ertek T S., 2019. Ankara İli Kekik Plantasyonlarında Sorun Olan Funguslar. International Congress on Agriculture and Forestry Research, 7s.,8-12 April 2019, Marmaris,
- 6- Çakır E., Ertek T S., Maden S., 2019. Patates Depolarında Lastiğimsi (Ekşi) Çürüklük (*Geotrichum candidum*) Hastalığı. International Congress on Agriculture and Forestry Research, 13s.,8-12 April 2019, Marmaris, Turkey, .
- 7- Çakır E., Ertek T S., Demirci, F., 2019. Patateste *Sclerotium* sp.’ nin Neden Olduğu Kök Çürüklüğü . International Congress on Agriculture and Forestry Research, 52s., 8-12 April 2019, Marmaris,
- 8- Çakır E., Ertek T S., Maden S., 2019. Molecular identification of *Phytophthora erythroseptica* causing pink rot of potato in Turkey. 1st International Molecular Plant Protection Congress”, 44p., April 10-13, 2019, A
- 9- Çakır E., Bahtiyarca Bağdat, R., Ertek T S., 2019. Pathogenic fungi species isolated and genetically characterized in oregano field plantation of Central Anatolian climatic conditions. 1st International Molecular Plant Protection Congress”, 95 p., April 10-13, 2019, Adana, Turkey., .
- 10- CANPOLAT S., Tülek S., Ertek T S., , 2019. Molecular and Morphological Identification of Fungal Diseases



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- 11- Fırat T A., Tülek S., Ertek T S., 2017. Efficacy of Some Entomopathogenic Fungi Isolates on *Callosobruchus maculatus* (F.) (Bruchidae : Coleoptera). 6th Entomopathogens & Microbial Control Congress, .
- 12- Tülek S., Fırat T A., Ertek T S., 2017. Efficacy of Entomopathogenic Fungi against *Tribolium confusum* Under Laboratory Conditions. 6th Entomopathogens & Microbial Control Congress,
- 13- Ertek T S., Iriarte F., Babu B, Paret M.L., . Molecular Characterization of *Fusarium oxysporum* f.sp. *niveum*, the Causal Agent of Fusarium Wilt of Watermelon. Uluslararası Katılımlı Türkiye VI. Bitki Koruma Kongresi
- 14- Ertek T S., Özben S., Tanıker Ü., . Molecular detection of fungal disease in strawberry production areas in Central Anatolia Region. 1st International Molecular Plant Protection Congress, s:54.
- 15- Tülek S., Çakır E., Ertek T S., CANPOLAT S., . Molecular studies on the pathogenesis of *Synchytrium endobioticum*, . 1st International Molecular Plant Protection Congress”, April 10-13, 2019, Adana, Turkey.

NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

▪ Master Thesis,

1. Ertek T S., Katircioğlu Z., Maden S., 2018. Determination of Fungal Diseases in Strawberry Production Areas in Düzce Province. Plant Protection Bulletin.
2. Ertek T. S., Uzunok S., Ozben S., Tanıker Ü., Kurbetli İ., Maden S. 2022. Occurrence of fungal strawberry diseases in Central Anatolia region of Turkey and reactions of some varieties grown widely against the important pathogens. Plant Protection Bulletin.

▪ National Papers, Seminars, etc.

1. Ertek T S., Katircioğlu Z., Maden S., . Determination of Fungal Diseases in Strawberry Production Areas in Düzce Province Turkey V. Plant Protection Congress



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

1. Erasmus Summer Internship Cordoba-İspanya 25.6.2009-25.9.2009
2. Detection methods of Phytophthora spp. in Forest ecosystem- Polonya 14.6.2011 -20.6.2011
3. North Florida Research Center- United States of America – Quincy- Visitor Scientist 27.12.2015-25.06.2016
4. EPPO Mycology Panel Meeting- Traunkirchen Austria- 7-10 September 2022