



TAGEM
R&D AND INNOVATION

DIRECTORATE OF PLANT PROTECTION CENTRAL
RESEARCH INSTITUTE/ANKARA

Sümeyye ERDOĞMUŞ BAĞÇECİ, MRes Agricultural Engineer

EDUCATION

- PhD** Ankara University
2023- Plant Protection, Department of Phytopathology
 - MRes** Nottingham University
2019-2020 Biosciences
 - Bachelor's Degree** Ankara University
2009-2013 Faculty of Agriculture/Plant Protection
- LANGUAGE** English YÖKDİL 65 / IELTS 6

CAREER

- 2021-** Agricultural Engineer, Directorate Of Plant Protection
Central Research Institute-ANKARA

ABOUT ME

She graduated from Ankara University, Faculty of Agriculture, Department of Plant Protection in 2013. She continued her professional education by receiving a Master's education in the UK in 2019. She completed her Master's training at the University of Nottingham Biosciences Institute on utilizing root microbiomes in the suppression of the Soil-borne Pathogen *Rhizoctonia solani* in 2020.

She has been working on Cereal Diseases Department at Plant Protection Central Research Institute since 2021.

CONTACT

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Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Exploiting Root Microbiota for Biological Control of Soil-Borne Pathogen *Rhizoctonia solani* (Master Thesis, 2019-2020)

▪ **Ongoing Projects**

1. Investigation of Biological Efficacy of Miravis Era/Demita Plant Protection Product Against Fusarium Head Blight Disease (*Fusarium graminearum*, *F. culmorum*) in Wheat (Leader, Private Sector, 2022-2025)
2. National Winter Wheat Breeding Studies Coordination (Determination of resistance against root and root rot disease factors, Subproject leader, TAGEM, 2023-2027)
3. Detection of Rust Diseases (*Puccinia* spp.) in Oat Planting Fields and Determination of Resistance of Some Oat Genotypes to Black Rust (*Puccinia graminis* f. sp. *avenae*) Disease Breeds (Assistant Researcher, TAGEM, 2022-2025)
4. Studies on the standard drug trial method as a basis for the investigation and control of the biological effectiveness of Afla Guard (*Aspergillus flavus* NRRL 21882) against *Aspergillus parasiticus* in maize (Associate Researcher, Private Sector, 2022-2024)
5. Diagnosis and Determination of the Prevalence of Factors Causing Spreading Disease (*Tilletia* spp) in Cereals (Associate Researcher, GKGM, 2023-2025)



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

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

1. **Erdoğan, S.**, Ray, R. and Casrtillo, G. (2019). Identification of Candidate Bacteria for Plant Protection Against *Rhizoctonia Solani*. Advance in Soil-borne Disease Etiology and Control Conference by Association of Applied Biologists (AAB), 24 October 2019, Nottingham, The United Kingdom. (Oral Presentation).
2. **Erdoğan Bağçeci, S.**, Büyük, O., Seidi Arslan, M., Akci, N., Urin, V. 2022. The Effectiveness of *Trichoderma* spp. against The Important Causal Agents of Corn Root Rot Diseases in In-Vitro Conditions. 8 th International Cereal Nematodes Symposium, 26-29 September, Bolu, Türkiye, pp:121. www.isbppp.org
3. Akci, N., Seidi Arslan, M., **Erdoğan Bağçeci, S.**, Büyük, O. Kahraman, T. Çeri, S. 2022. Determination of The Reaction of Some Oat Cultivars to *Fusarium equiseti* Causing by Root Rot Disease. 8 th International Cereal Nematodes Symposium, 26-29 September, Bolu, Türkiye, pp:337. www.isbppp.org
4. Urin, V., Akci, N., Büyük, O., **Erdoğan Bağçeci, S.**, Seidi Arslan, M. Esmeray, M. 2022. Determination of The Reaction of Some Maize Genotypes to Ear Rot Disease Caused by *Fusarium verticilloides* .8 th International Cereal Nematodes Symposium, 26-29 September, Bolu, Türkiye, pp: 343. www.isbppp.org
5. Seidi Arslan, M., Akci, N., Büyük, O. **Erdoğan Bağçeci, S.**, Çeri, S. Kahraman, T. 2022. Reactions of Root Rot (*Fusarium nygamai* Burgess & Trimboli 1986) Disease in Some Oat Varieties. 8 th International Cereal Nematodes Symposium, 26-29 September, Bolu, Türkiye, pp: 329. www.isbppp.org
6. Duman, K., Büyük, O., Akci, N., **Erdoğan Bağçeci, S.**, Seidi Arslan, M., Karahan, A. 2022. Preliminary Studies on Biological Control of Wheat Root Rot Diseases. 8th International Cereal Nematodes Symposium, 26-29 September, Bolu, Türkiye, pp: 321. www.isbppp.org

▪ **NATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in National Journals**

▪ **National Papers, Seminars, etc.**

1. Determination of the Population of Syrphidae Family in the Province and Districts of Ankara (Master's Seminar, Selçuk University, 2017)



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▪ **OTHER PUBLICATIONS**

▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Exploiting Root Microbiota For Biological Control of Soil-Borne Pathogen *Rhizoctonia solani* (Master Thesis, 2019-2020)
2. Corn; Breeding Techniques and Breeding (Book Chapter: Common Diseases in Corn Plant and Its Control), IKSAD, Ankara, ISBN: 978-625-8377-26-2, 2022.



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

1. Definition, Analysis and Diagnosis Management Training of *Tilletia indica* (Directorate Of Plant Protection Central Research Institute, 2021- Trainings Provided)
2. Online Training on Wheat Bunt (*Tilletia caries*, *T. foetida*, *T. controversa*), Wheat Head Blight, Wheat Smut, Wheat and Barley Root and Crown Rot Diseases in the Plant Doctors Program organized by Antalya Provincial Directorate of Agriculture and Forestry (24-26.11.2021-Trainings Provided)
3. Presentation at the Online Meeting with China YAAS Academy (24.09.2021-2022)
4. Wheat Import Meeting with Romania (27.08.2021)
5. Bahri Dağdaş International Agricultural Research Institute, Crop Production and Plant Health and Animal Production and Animal Health Regional Group Meeting Program-Barley Leaf Spot Diseases Training (05.08.2021- Trainings Provided)
6. Presentation on Potential Collaboration between TAGEM and CIMMYT on Maize Programme (05.07.2021)
7. Wheat Integrated Control Inservice Training (18-22 April 2022-Trainings Provided)

▪ **Taking part in Scientific Activities (Scientific and Administrative)**

1. Workshop on “New Approaches in the Control of Soil-Borne Pathogens with International Participation” (Organization Committee, 15.12.2021)

▪ **Scholarships**

1. Republic of Turkey Ministry of National Education Overseas Postgraduate Education Scholarship (2016)