



TAGEM
R&D AND INNOVATION

Soil, Fertilizer and Water Resources Central
Research Institute / ANKARA

DİLEK KAYA ÖZDOĞAN, PhD

Biologist

EDUCATION

- PhD** Ankara University
2011-2020 Graduate School of Natural and Applied
 - MSc** Ankara University
2009-2011 Graduate School of Natural and Applied
Sciences Biology
2002-2003 Ankara University
Educational Sciences Biology
 - Bachelor's Degree** Ankara University
1998-2002 Faculty of Science Department of
Biology
- LANGUAGE** English ÜDS 70 / KPDS 82

CAREER

- 2008- Continuing
Researcher - Soil Fertilizer and Water Resources Central
Research Institute – ANKARA
- 2005-2008
Biologist - Kocaeli Food Control Laboratory - KOCAELI

ABOUT ME

She was born in Giresun in 1980. She graduated from Ankara University Biology Department in 2002.


She started his career in 2005 in Kocaeli Food Control Laboratory Microbiology Laboratory.

She started her studies on SFWCRE as a researcher in 2008 and continues her studies by specializing in soil microbiology, microbial fertilizers and microbial genetics.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. Bioremediation of Boron Pollution in Soil with Poplar Species and Investigation of the Genetic Basis of Boron Tolerance in Plants TUBITAK – Assistant Researcher 2014 - 2016
2. Investigation of Plant Growth Promoting Properties of Rhizobacteria Isolated from Ankara Province TAGEM- Lider 2015 - 2018
3. Spectroscopic Identification of Humic and Fulvic Acid Contents of Some Organic Materials and Determination of Appropriate Analysis Methods TAGEM- Assistant Researcher 2016 – 2019
4. Study on Community Structure of Arbuscular Mycorrhizal Fungi in Plain Saline Soils of Turkey and Possibility of In Vitro Mass Propagation of Native Dominant Fungal Species for Bio- Fertilizer Production - Horizon 2020 Assistant Researcher

▪ **Ongoing Projects**

1. Mixed Culture Microbial Fertilizer Formulation and Encapsulation with Biopolymer TAGEM- Leader 2022 – Continued
2. The Effect of Microbial Fertilizer Use on Water Consumption and Quality Parameters in Dry Beans under Restricted Water Conditions Assistant Researcher 2022 – Continued
3. Developing intercropping systems with camelina to increase the yield and quality parameters of local underutilized crops Core Organic – Associate Researcher 2021- Continue
4. Detection of Phosphate Solvent Bacteria and Establishment of a Database: Ankara–Konya Example TAGEM- Leader 2017- Continued
5. Isolation of Mycorrhizae Naturally Found in Soils and Monoculture Production TAGEM -Assistant Researcher 2018- Continued



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. **Özdoğan, D.K.**, Akçelik, N. & Akçelik, M. Genetic Diversity and Characterization of Plant Growth-Promoting Effects of Bacteria Isolated from Rhizospheric Soils. *Current Microbiology*, 79, 132 (2022). <https://doi.org/10.1007/s00284-022-02827-3>
2. Dilsiz, A , Rezaee Danesh, , Sagun, Ç , **Kaya Özdoğan, D** Koyuncu, N. 2021, *International Journal of Agricultural Technology*, 17(6):2473-2486. ISSN 2630-0192 (Online)
3. **Ozdogan D.K.**, Akcelik N., Aslim B., Suludere Z. and Akcelik M., 2012. Probiotic And Antioxidative Properties Of L. Lactis LL27 Isolated From Milk, *Biotechnology & Biotechnological Equipment*; 26-1;2750-2758 <https://doi.org/10.5504/BBEQ.2011.0091>

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

1. Çağlar SAGUN, Dr.Dilek KAYA ÖZDOĞAN, Microbial Fertilization in Pulses, Turkey-Canada Joint Pulses Research Workshop On The Occasion Of The World Pulses Day(02. 10-11, 2022)
2. Dilek Kaya Özdoğan, Çağlar Sagun, Atilla Polat, Vecihe İncirkuş, Emre Karmaz, 2021, Genetic Characterization of Rhizobium Bacteria Isolated from Bean Nodules and Its Effect on Soil Quality, The 9th International Conference on Integration of Science and Technology for Sustainable Development 2021 (9th ICIST 2021)
3. Younes Rezaee Danesh, Aynur Dilsiz, Çağlar Sagun, Dilek Kaya Özdoğan, Atilla Polat, Emre Karmaz, 2021, Community Structure of Arbuscular Mycorrhizal Fungal Species in Saline Soils of Turkey, The 9th International Conference on Integration of Science and Technology for Sustainable Development 2021 (9th ICIST 2021)
4. Aynur Dilsiz, Çağlar Sagun, Younes Rezaee Danesh, Dilek Kaya Özdoğan, 2021, Status of Arbuscular Mycorrhizal Fungi Populations in Some Pastures of Ankara Region, Turkey. The 9th International Conference on Integration of Science and Technology for Sustainable Development 2021 (9th ICIST 2021)
5. Dilek KAYA ÖZDOĞAN, NEFİSE AKKOÇ, PINAR ŞANLIBABA, MUSTAFA AKÇELİK., 2011. Characterisation of probiotic and antioxidative properties of nisin A producer L. lactis LL27 strain. *ECCMID-ICC*,1.

■ **NATIONAL ARTICLES AND PAPERS**

■ **Articles Published in National Journals**

- Torunlar H., TUĞAÇ M. G., Özdoğan K. D., Depel G., Dereköy N., 2019. Jeotermal Kaynakların Tarımsal Sulama Suyu Kirliliği ve Kalitesi Üzerine Etkilerinin Belirlenmesi, *Toprak Su Dergisi - Soil Water Journal*, Özel Sayı - Special Issue



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▪ **OTHER PUBLICATIONS**

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

1. Lactococcus lactis subsp. lactis LL27 strain, 2011, M.Sc. Supervisor: Prof. Dr. Mustafa Akcelik
2. Isolation, Identification and Determination of Genetic Diversity of Plant Growth Promoting Bacteria from Soils of Ankara Province, 2020, Ph.D. Supervisor: Prof. Dr. Mustafa Akcelik

