



TAGEM
R&D AND INNOVATION

SOIL FERTILIZER AND WATER RESOURCES
CENTRAL RESEARCH INSTITUTE /ANKARA

AYNUR DİLSİZ

Agricultural Engineer with a Master's Degree

EDUCATION

MSc

2013 - Ankara University, Institute of
Science, Department of Soil Science and Plant Nutrition

Bachelor's Degree

Ankara University, Faculty of Agriculture, 1987, Department of Soil
Science and Plant Nutrition

CAREER

Deputy Director of the Soil, Fertilizer, and Water
Resources Central Research Institute (2020–Present)

Head of the Training and Extension Department, Soil,
Fertilizer, and Water Resources Central Research Institute
(2011–2014)

Soil Management Engineer, Soil and Fertilizer Research
Institute, General Directorate of Rural Services, Ankara (2004–
2005)

Primary School Teacher, Ministry of National Education,

ABOUT ME

She was born in 1964 in Karabük, Turkey, where she completed her primary, secondary, and high school education. In 1987, she graduated from Ankara University, Faculty of Agriculture, Department of Soil Science and Plant Nutrition, and earned her master's degree in the same field in 2013.


Her career began in 1997 as a primary school teacher in Malatya. In 2004, she transitioned to the General Directorate of Rural Services as an Agricultural Engineer, working as an analyst and laboratory supervisor in the Soil Quality and Productivity Laboratory. She also provided training and worked on soil analysis methods and laboratory monitoring. As Head of the Training and Extension Department, she contributed to the launch of the institute's first peer-reviewed journal, *Toprak Su Dergisi*.

Since 2014, she has been a researcher at the Microbial Fertilizer Research, Technology Development, and Culture Collection Center, focusing on soil fertility, plant nutrition, soil microbiology, microbial fertilizers, and mycorrhizae. She also participates in national and international projects as an assistant researcher. She is married with three children.

CONTACT

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PROJECTS

1. **Dissemination of Microbial Fertilizer Applications - Guided Project (2022)**
2. **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 (2021)**
3. **Investigation of Arbuscular Mycorrhizal Populations in the Rhizospheres of Local Wheat Varieties Grown in the Van Lake Basin (2021–Present)**
4. **Isolation and Monoculture Production of Naturally Occurring Mycorrhizae in Soils**
Soil, Fertilizer, and Water Resources Research Institute (2020) - Lead, TAGEM
5. **Effect of Split Nitrogen Fertilizer Applications on Nitrous Oxide (N₂O) Greenhouse Gas Emissions**
Soil, Fertilizer, and Water Resources Central Research Institute Directorate (2019) - Assistant Researcher, TAGEM
6. **Monoculture Production of Arbuscular Mycorrhizae Using Tissue Culture in In Vitro Conditions**
Soil, Fertilizer, and Water Resources Central Research Institute Directorate (2017) - Lead, TAGEM
7. **Determination of Nickel and Cadmium Accumulation Characteristics in Certain Brassicaea Species**
Ankara University, Faculty of Agriculture (2009) - Assistant Researcher, TÜBİTAK, TÜBİTAK COST
8. **Development of National Potato Seed Production System (2009)**
9. **Determination and Mapping of Boron Status in Turkish Soils (2009)**
10. **Investigation of the Effect of ASKİ (Ankara Metropolitan Municipality Water and Sewerage Administration) Wastewater Sludge Applications on Certain Properties (Chemical, Physical, and Biological) of Ankara-Yenikent Soils and Their Sustainable Usability (TÜBİTAK)**
S. Usta; M. Keçeci; İ. Yurdakul; M. Usul; K. Taşpınar; A. Dilsiz; S. Keskin (2009)
11. **Influence of Rainfall and Temperature on DTPA Extractable Nickel Content of Serpentine Soils in Turkey**
Ankara University, Faculty of Agriculture (2009) - Assistant Researcher, TÜBİTAK, TÜBİTAK COST
12. **Reduction of Environmental Pollution in Potato Using Slow-Release Fertilizers in Misli Plain (2006), TÜBİTAK**



PUBLICATIONS

- **International Journal Articles**
- **International Proceedings, Seminars, etc.**

1. Dilsiz A., Rezaee Danesh, Sagun Ç., Kaya Özdoğan D., Koyuncu N. (2021). "Study on the Status of Arbuscular Mycorrhizal Fungal Populations in Some Pastures of Turkey."
2. İ. Ünver, S. Madenoğlu, A. Dilsiz, A. Namlı (2013). "Influence of Rainfall and Temperature on DTPA Extractable Nickel Content of Serpentine Soils in Turkey." *Geoderma*, Volumes 202–203, July 2013.

NATIONAL ARTICLES & PROCEEDINGS

- **National Journal Articles**
- **National Proceedings, Seminars, etc.**

1. Aynur DİLSİZ, Çağlar SAGUN. "Soil Fungi and Plant Symbiosis: Mycorrhizal Fungi."
2. M. Keçeci, S. Usta, A. Dilsiz, K. Taşpınar, A. Güntürk, M. Usul (2011). "Effect of ASKİ Wastewater Sludge Applications on Some Physical and Chemical Properties and Heavy Metal Contents of Agricultural Soils in Ankara-Tatlar and Its Surroundings." II. NATIONAL SOIL AND WATER RESOURCES CONGRESS, 22-25 NOVEMBER 2011, ANKARA, p. 702.

OTHER PUBLICATIONS

- **Doctoral Thesis, Master's Thesis, Reports, Books, etc.**

1. Dilsiz A. (2013). "Potential Errors in Soil Fertility Analysis from Practitioners and Their Significance." Master's Thesis, Ankara University Institute of Science.



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MEMBERSHIP, TRAINING, COURSES, MEETINGS, CONGRESSES, SYMPOSIUMS, AND OTHER ACTIVITIES

1. Method Validation, Ankara (2005)
2. Chemical Measurement Uncertainty, Ankara (2005)
3. *The Use of Nuclear and Related Techniques in Soil–Plant–Water–Nutrient Relations* (13C, 15N, 32P Neutron Probe and Enviroscan Techniques) Training, Ankara (2006)
4. ISO / IEC 17025 Laboratory Accreditation Training, Ankara (2008)
5. Measurement Traceability and Measurement Uncertainty, Ankara (2009)
6. Soil–Plant Laboratory Authorization Seminar, Ankara (2009)
7. Measurement Uncertainty and Calculations, Ankara (2010)
8. General Metrology and Calibration Training, Ankara (2010)
9. Problem-Solving Techniques, Ankara (2010)
10. LECO Truspec Elemental Analysis Device Training, Ankara (2011)
11. English Language Course, Ankara (2012) - Turkish English Cultural Association
12. Hazardous and Chemical Substance Storage Techniques, Health and Safety Precautions Training, Ankara (2013)
13. TSE EN ISO / IEC 17025 Internal Audit Training, Ankara (2014)
14. TSE EN ISO / IEC 17025 Documentation Training, Ankara (2014)
15. Editor and Author Training Seminar, Ankara (2015)
16. Strategic Management and Guidance in the Path of Organizational Excellence, Ankara (2015)
17. EFQM Excellence Model Refresher Training, Ankara
18. First Aid Training, Ankara (2016)
19. Genetic Resources Workshop, Ankara (2017)
20. Soil Analysis Laboratory Authorization and Inspection Commission, Ankara (2018)
21. Occupational Health and Safety Training, Ankara (2018)
22. Introduction to Mycorrhizal Fungi and Manipulation Methods, Ankara (2018)