



TAGEM
R&D AND INNOVATION

BLACK SEA AGRICULTURAL RESEARCH
INSTITUTE / SAMSUN

DR. ELİF ÖZTÜRK

Agricultural Engineer (PhD)

EDUCATION

- Assoc. prof**
- PhD** 2007-2013 Ondokuz Mayıs University
G. School of Natural and Applied Sc.
- MSc** 2004-2007 Ondokuz Mayıs University
G. School of Natural and Applied Sc.
- Bachelor's Degree** 2000-2004 Ondokuz Mayıs University
Faculty of Agriculture, Soil Dep.
- LANGUAGE** English (UDS: 71.25)

CAREER

- 2012- - Researcher - Black Sea Agricultural Research
Institute - SAMSUN
- 2012-2014 - Technical staff - Tekkeköy Food Agriculture and
Livestock District Directorate - SAMSUN
- 2005-2012 - Research Assistant - Ondokuz Mayıs University,
Graduate School of Natural and Applied Sciences - SAMSUN
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ABOUT ME

She was born in 1980 in Trabzon. In 2004, she graduated from Ondokuz Mayıs University, Faculty of Agriculture and Department of Soil. She completed her master's degree in 2007 and doctor's degree in 2013 in Ondokuz Mayıs University, Graduate School of Natural and Applied Sciences, Department of Soil Science and Plant Nutrition. Between 2005-2012, she worked as a Research Assistant at Ondokuz Mayıs University, Graduate School of Natural and Applied Sciences.

She continues her studies in the Plant Nutrition and Soil unit at the Black Sea Agricultural Research Institute.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. Determination of Land Suitability Classes and Modeling of Rice Cultivation Areas Using GIS in Kızılırmak and Yeşilirmak Deltas - The Scientific and Technological Research Council of Turkey - 1001 - Assistant Researcher (2007-2010, Completed).
2. Usage of the Compost Obtained from Organic Tea Processing Waste Products in Organic Tea Production-General Directorate of Plant Production - Assistant Researcher - (2012-2016, Completed).
3. Determination of Effects of Groundwater Irrigation in Rice Areas in Coastal Regions of Alaçam District, Samsun, on Soil and Water Resources Using Different Interpolation Methods - The Scientific and Technological Research Council of Turkey – 1002 - Assistant Researcher (2015-2016, Completed).
4. Determination of Organic Agriculture Basins in DOKAP Region - Eastern Black Sea Project Regional Development Administration - Assistant Researcher (2016-2018, Completed).
5. Determination of Plant Nutrition Status and Potential Toxic Element Contents of Bartın and Zonguldak Regions Agricultural Soils, Preparation of Soil Data Base and Soil Maps - General Directorate of Agricultural Research and Policies- Assistant Researcher (2016-2018, Completed).
6. Adaptation of Switch Grass, Creating of Mapping Adaptation, Determination of Mechanization Characterization and Energy Balance and Production of Biogas from Bioethanol Waste - The Scientific and Technological Research Council of Turkey – 1003 - Assistant Researcher - (2015-2018, Completed).
7. Production of Liquid Chemical Fertilizers Suitable for Plants Grown in Wet and Dry Conditions, Comparison of Their Efficiency with Traditional Solid Chemical Fertilizers and Development of Appropriate Machines for the Use of Liquid Fertilizer- General Directorate of Agricultural Research and Policies - R&D - Assistant Researcher - (2018-2022, Completed).

▪ **Ongoing Projects**

1. Characterization of Biochar Produced from Some Agricultural Residues and Its Effects on Soil Quality (Continuing).
2. Evaluation of Soil Quality of Kiwifruit Cultivation Areas in Samsun and Ordu Provinces(Continuing).
3. Quality Assessment of Bafra Plain Left Coast Soils in Terms of Sustainable Land Management (Continuing).
4. Determination of the Efficiencies of Nitrogen and Silicon Applications in Drip Irrigation Paddy Cultivation in Bafra Plain Ecological Conditions (Continuing).
5. Isolation and Identification of Microalgae from their Natural Environment and Its Effect on Rice Yield in Samsun Province (Continuing).



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. Dengiz, O., Ozturk, E., Yakupoglu, T., 2010. Comparison of irrigation water quality between inland and coastland areas for rice cultivation. *Asian Journal of Chemistry*, 22(2): 1283-1290.
2. Peksen, A., Yakupoglu, G., Yakupoglu, T., Gulser, C., Ozturk, E. and Ozdemir, N., 2011. Changes in chemical compositions of substrates before and after *Ganoderma Lucidum* cultivation. *World Journal of Microbiology and Biotechnology*, 27: 637-642.
3. Özdemir, N., Öztürk, E., Kop Durmuş, Ö.T., Ekberli, İ., 2015. Effects of organic and inorganic amendments on soil erodibility. *Eurasian Journal of Soil Science*, 4(4): 266-271.
4. Yakupoglu, T., Ozdemir, N., Ekberli, I., Ozturk, E., 2018. A modified rainfall simulator: design principles, rainfall characteristics and simulation ability to natural rains. *Fresenius Environmental Bulletin*, 27(5): 2834-2843.
5. Öztürk, E., Dengiz, O., 2020. Assessment and selection of suitable microbasins for organic agriculture under subhumid ecosystem conditions: a case study from Trabzon Province, Turkey. *Arabian Journal of Geosciences*, 13: 1222. doi:10.1007/s12517-020-06200-1.

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

1. Özdemir, N., Yakupoğlu, T., Öztürk, E., Katitürk, H.Ö., 2010. Relations between some erosion parameters and physico-chemical properties of Bafra Plain soils. *International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality*. May 26-28, 2010 - Samsun, Turkey, pp. 981-988.
2. Öztürk, E., Özdemir, N., Yakupoğlu T., 2010. Effects of organic waste application on nitrogen and phosphorus contents of tomato plant grown eroded soils. *International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality*, May 26-28, 2010 - Samsun, Turkey, pp. 271-278.
3. Özturk, E., Özdemir, N., Kop, O.T., 2012. Relations between some structural stability indexes and physicochemical soil properties of Bafra Plain. *8th International Soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management*. May 15-17, 2012 - Çeşme-İzmir, Turkey, Vol: IV, pp. 411-416.
4. Özdemir, N., Öztürk, E., Ekberli, I., Gülser, C., 2012. Effects of organic and inorganic amendments on erosion ratio of acidic soil. *8th International Soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management*. May 15-17, 2012 - Çeşme-İzmir, Turkey, Vol: IV, pp. 417-421.
5. Bayraklı, B., Dengiz, O., Öztürk, E., İç, S., Erkoçak, A., Kesim, E., Kars, N., Birol, M. Identification of suitable micro catchments for organic agriculture using GIS and remote sensing in East Part of the Black Sea Region. *International Soil Science Congress on Environment and Soil Resources Conservation*. October 17-19, 2018 - Almaty, Kazakhstan, pp. 22-34.



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6. Birol, M., Dengiz, O., Öztürk, E., 2021. Physico-chemical and morphological properties of soils in Black Sea Agricultural Research Institute. International Congress of Engineering and Natural Sciences Studies. June 19-20, 2021 - Ankara, pp. 494-507.
7. Bayraklı, B., Öztürk, E., İç, S., Dengiz, O. Bioaccumulation of heavy metals by selected some plants cultivated in Central and Eastern Black Sea Region. III. Balkan Agriculture Congress. August 29 - September 1, 2021 - Edirne, Turkey, pp. 359-370.

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Coşkun, Z., Özdemir, N., Öztürk, E., 2006. Effects of tobacco waste and polyacrylamide on erodibility, nitrogen and phosphorus availability in the eroded soil. J. Of Fac. Of Agric., OMU, 21(2):218-224.
2. Öztürk, E., Özdemir, N., 2006. Formation, types and preventing of crust in soils. J. of Fac. of Agric., OMU, 21(2): 275-282.
3. Özdemir, N., Öztürk, E., Yakupoğlu, T., 2008. Effects of parent material and land use on distribution of some trace elements fractions in soil. J. of Fac. of Agric., OMU, 23(2): 92-97.
4. Dengiz, O., Özdemir, N., Öztürk, E., Yakupoğlu, T., 2009. Classification of hazelnut cultivation areas for agricultural suitability in the Eastern Black Sea Region, case study; Ünye-Tekiraz District. Anadolu J. Agric. Sci.,24(3): 174-183.
5. Dengiz, O., Göl, C., Öztürk, E., Yakupoğlu, T., 2010. Determination and classification of different soils formed on fluvial land. Selçuk Journal of Agriculture and Food Sciences, 2424(1): 19-27.
6. Yakupoğlu, T., Öztürk, E., Özdemir, N., Özkaptan, S., 2010. Effect of conditioner applications on micro nutrient content of corn plant in acidic soil. Anadolu J. Agric. Sci., 25(2): 100–105.
7. Dengiz, O., Sezer, İ., Özdemir, N., Göl, C., Yakupoğlu, T., Öztürk, E., Sirat, A., Şahin, M., 2010. Application of GIS model in physical land evaluation suitability for rice cultivation. Anadolu J. Agric. Sci., 25(S-3): 184-191.
8. Özdemir, N., Öztürk, E., Durmuş, Ö.T.K., 2015. Relationships between erodibility and soil loss. Anadolu Journal of Agricultural Sciences, 30(2): 182-185.
9. Özdemir, N., Öztürk, E., Kop Durmuş, Ö.T., 2017. Effects of organic conditioner application on soil loss under simulated rainfall conditions. Anadolu Journal of Agricultural Sciences, 32:114-120.
10. Özdemir, N., Öztürk, E., Durmuş, Ö.T.K., 2018. The effects of organic conditioner applications on some physical properties of soils and their relations with soil loss in artificial rain conditions. Turk J. Agric. Res., 5(3): 191-200.
11. Öztürk, E., Özdemir, N., 2020. Estimation of soil loss by erosion in organic conditioner applied soil. Journal of Soil Science and Plant Nutrition, 8(2): 167-175.



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▪ **National Papers, Seminars, etc.**

1. Dengiz, O., Öztürk, E., Sarıoğlu, E., 2010. Classification and mapping of soils according to morphometric principles in alluvial flood plain; Çarşamba-Dikbiyık Town. I. National Soil and Water Resources Congress. 1-4 June, 2010, Eskişehir, pp. 351-361.
2. Öztürk, E., Dengiz, O., 2019. Variation and comparison of boron contents for soils of Çarşamba Delta Plain and Upland in Samsun Province. 6th Congress on Soil and Water Resources with International Participation. 12-14 November, 2019, Menemen-İzmir, Turkey, pp. 76.

▪ **OTHER PUBLICATIONS**

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

1. Relationships Between Important Physical and Chemical Properties of Bafra Plain Surface Soils and the Criteria of Susceptibility to Erosion (Master Thesis - Ondokuz Mayıs University, Graduate School of Natural and Applied Sciences, Department of Soil Science and Plant Nutrition- 2007).
2. Determination of the Effects of Organic Conditioners on Soil Loss and Quality in Laboratory Conditions (PhD Thesis- Ondokuz Mayıs University, Graduate School of Natural and Applied Sciences, Department of soil Science and Plant Nutrition - 2013

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

1. 9th International Soil Science Congress on "The Soul of Soil and Civilization - 14-16 October 2014 - Side, Antalya, Turkey.
2. 10th International Soil Congress 2019-Successful Transformation toward Land Degradation Neutrality: Future Perspective- 17-19 June 2019, Ankara, Turkey.
3. 6th Congress on Soil and Water Resources with International Participation - 12-19 November 2019, Menemen-İzmir, Turkey.