SOIL FERTILIZER AND WATER RESOURCES
CENTRAL RESEARCH INSTITUTE/ ANKARA

Dr. MEHMET KECECI

Agricultural Engineer

EDUCATION

Assoc. prof

PhD Ankara University
2013

MSc Ankara University
1999

Bachelor's Degree Ege University
1989

LANGUAGE ENGLISH YOKDIL 80 / YDS 70 GERMANY YOKDIL 70

CAREER

2013 (December)- Soil Fertilizer Water Rev. Mark. Res. ANKARA Administrative Coordinator

2014 ( )- Soil Fertilizer Water Rev. Mark. Res. ANKARA Laboratory Department Head

2015- 2016 - Soil Fertilizer Water Rev. Mark. Res. ANKARA Head of Plant Nutrition and Soil Department

2016- 2017 - Soil Fertilizer Water Rev. Mark. Res. ANKARA Technical Coordinator

2018 – 2020- Soil Fertilizer Water Loss. Mark. Res. ANKARA Department of Production and Business

2020 - Director of Soil Fertilizer and Water Resources Central Research Institute

ABOUT ME

He was born in Ankara in 1967. He graduated from Ege University Faculty of Agriculture in 1989. He continued his vocational Education on Microelement Nutrition of Greenhouse-grown Plants in Ankara University, Institute of Science in 1996. Studies on Soil Fertility, Fertilizer and Fertilization, Soil Pollution, Creation of Soil Fertility Maps and Soil Survey Mapping, especially in the projects of "National Rangeland Management", "Determination of Carbon Content of Turkish Soils"

CONTACT

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Dr.MEHMET KECECI
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- **PROJECTS**
- **Projects Conducted**
- Aydın Province Land Use Planning Project. TRGM). 1999.
- The Effect of Humic Acid and Fertilizer Applications on Forms of Plant Nutrients and Soil Fertility in Soils Formed on Limestone and Marl Base Materials.
- Potential of Animal Fertilizers (Chicken, Cattle, Sheep) in the Central Anatolia Region. Determination of Nutrient Content and Mineralization Status
- Ankara. Kirikkale. Kirsehir. Cankiri. Kastamanu. Karabuk. Duzce. Cankiri. Determination of Plant Nutrient and Potential Toxic Element Contents of Agricultural Soils in Bolu Provinces
- M.Keçeci;S.Master.2012. The Effect of Some Soil Parameters on Heavy Metal (Zn.Pb) Adsorption and Desorption.
- M.Keçeci;İ.Güçdemir;M.Usul; E. Tümsavaş;C.Koca.2012 Sustainable Phosphorus Management in the Soils of Central Anatolia Region
- M.Kececi; N. Cebel; D. Tailor; S.Kaya; M. Peker. The Effect of Different Materials Used in Organic Agriculture System on Soil Properties in Tomato and Corn Alternation System in Ankara Conditions.
- M.Kececi; Investigation of Cultivation of Tomato and Spinach under Organic Farming Conditions. Ministry of Agriculture and Rural Affairs General Directorate of Agricultural Research Scientific Research and Investigations Publication No: 173 2003 YALOVA
- S. Expert; M.Kececi; I. Yurdakul; M. Method; K. Taspinar; A. Mute; S. Sharp. 2009. Investigation of the Sustainable Usability and Effects of ASKİ (Ankara Metropolitan Municipality General Directorate of Water and Sewerage Administration) Treatment Sludge Applications on Some Properties (Chemical, Physical and Biological) of Ankara - Yenikent Soils. (TUBITAK)
- S. Egregious; B. from Ankara; M. Kececi. 2009. Determination of the Effects of Mineral Levels in Soil and Plants on Some Trace Element Amounts in Blood Serum and Fleece of Akkaraman Sheep During Pasture Grazing Period in Ankara Province
- A. Avag; H. Cebel; M. Kececi; O. President; G. Depeli. 2012. National Rangeland Improvement Management Project (TUBITAK)
- M.Kececi. 2015 National Geospatial Soil Fertility and Soil Organic Carbon Information System Project (FAO UTF/TUR/057/ENG)

- Investigation of Boron Usage Opportunities in the Control of Potato Wart Disease (BOREN)
- Determination of Boron Nutrition Status of Wheat in Ankara Eskişehir Region and Effects of Different Boron Applications on Wheat Yield (BOREN)
- Detailed Soil Investigation and Mapping of Atatürk Forest Farm Lands.
- Establishment of National Geographical Soil Database, Ankara-Beypazarı, Ayaş Case Study (TAGEM).
- Determination and mapping of nitrogen fertilizer consumption on the basis of river basins in Turkey, agricultural ArcSWAT Model and agricultural nitrate pollution modeling (TAGEM) in a basin where fertilizer consumption may pose a potential risk.
- Investigation of Nitrogen Efficiency in Silage Corn by Fertigation Method in Ankara Conditions (TAGEM).
- The Effect of Soil Organic Matter and Liquid Humic Acid on the Adsorption and Desorption of Iodine in a Soil Formed on Lime-Material.2015.
- Determination of Microelement Nutritional Status of Tomato, Pepper, Eggplant and Cucumber Plants Grown in Mediterranean Region Greenhouses.(TUBITAK)
- Determination and Monitoring of Spatial and Temporal Variations of Soil Moisture and Soil Roughness with Microwave Satellite Images (TAGEM).
- Spectroscopic Identification of Humic and Fulvic Acid Contents of Some Organic Materials and Determination of Appropriate Analysis Methods (TAGEM).
- The Effect of Humic Acid Reduced Phosphorus Fertilization on Yield and Quality of Bread Wheat (TAGEM).
- Determination of Plant Nutrient and Potential Toxic Element Contents of Agricultural Soils in Kayseri, Nevşehir, Elazığ, Tunceli, Ardahan, Kars and Iğdır Provinces, Establishment and Mapping of the Database. 2020 (TAGEM).
- Mapping the organic carbon content of the soils of Konya and Karaman provinces and Determination of Carbon Budgets by Land Use (FAO).
- Determination of Plant Nutrient and Potentially Toxic Element Contents of Turkish Soils and database creation and mapping (TAGEM).
- Planning, Development and Dissemination of Variable Level Fertilizer Applications in Crop Production (HAS-TARIM) Ankara Case Sub-Project. (TAGEM).
- Strengthening Agricultural Infrastructure Services within the Scope of Global Soil Partnership 2019 (TRGM)
- Cross Harmonization project (TRGM) within the scope of Harmonization of EU legislations.

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PUBLICATIONS

- M. Kececi; A. Gunes. 2002. Fertility Status of Greenhouse Soils in the Mediterrannean Region of Turkey International Conference On Sustainable Land Use and Management 10-13 June 2002 Çanakkale- Türkey

- -G. Beşirli; M. Kececi; N. Cebel; I. Gucdemir. 2003 Investigation of Cultivation of Tomatoes in Organic Farming Conditions II.National Ecological Agriculture Symposium 2003 Antalya

- -C. Arcak; M. Kececi; M. Method. 2003. Atatürk Forest Farm Detailed Soil Investigation and Harvesting Technical Report no: 1 Soil and Fertilizer Research Institute Publication 2003 ANKARA

- -I. Gucdemir; M. Kececi; M. Method. 2006. Investigation of Evaluation Opportunities of Inegol Organized Industrial Zone Sewage Sludge in Agriculture. Ministry of Agriculture, General Directorate of Agricultural Research, Soil and Fertilizer Research Institute Publication Technical Report No: 2006

- -H. Cebel; O. Baskan ; M. Kececi; M. Bozkurt. 2009. Determination of Homogeneous Areas ofTurkey

  According to Altitude and Drought Index Values.

- -G. Beşirli; M. Kececi; I. Gucdemir. 2009. The Effect of Green Fertilization and Some Nutrients on Soil Structure in Organic Tomato Cultivation. II National Ecological Agriculture Symposium 2009. Şanlıurfa.

- -HE. Dengiz; M. Usul; M. Kececi. 2006. Evaluation of Agricultural Use of Atatürk Forest Farm Lands. OMÜ Zir. fac. Magazine. 2006.21(1):55-64. J. of Fac. of Agric.. OMU. 2006.21(1):55-64

- -M. Kececi ; M.Usul; I. Gucdemir. 2010. Yield of İnegöl treatment sludge in maize (zea mays l.). Effect on mineral nutrition and heavy metal content. I. NATIONAL SOIL AND WATER RESOURCES CONGRESS. 1-4 JUNE 2010. ESKISEHIR. Q:122.

- -M. Usul; M. Kececi. I. Powerdemir. 2010. The effect of domestic and urban sewage sludge on wheat yield. I. NATIONAL SOIL AND WATER RESOURCES CONGRESS. 1-4 JUNE 2010. ESKISEHIR. Q: 120.

- -M. Kececi. 2010. Determination of Plants Found in Pasture Soils of Eskişehir Province in 13 Homogeneous Areas. . I. NATIONAL SOIL AND WATER RESOURCES CONGRESS. 1-4 JUNE 2010. ESKISEHIR. Q: 120.

- -M. Kececi. 2010. Determination of Plants Found in Pasture Soils of Eskişehir Province in 13 Homogeneous Areas. . I. NATIONAL SOIL AND WATER RESOURCES CONGRESS. 1-4 JUNE 2010. ESKISEHIR. Q: 120.

OTHER PUBLICATIONS

- G. Beşirli; I. Sonmez; M. Kececi; I. Gucdemir. The Effect of Green Fertilization and Some Nutrients on Soil Structure in 2009 Organic Tomato Cultivation. II Ecological Agriculture Congress S:2009 SANLIURFA.
- V.Uygur, M. Karaduman, M. Keçeci; 2017. Competitive Adsorption Of Heavy Metals In Different Soils Volume 26 – No. 10/2017 pages 6205-6211 Fresenius Environmental Bulletin.
- S.Akgul; M.Keçeci 2019. Soil Organic Carbon Mapping In Turkey: Konya Case Study. Processing book of5tf International Eurasian Congress on Natural Nutrition Healthy Life and.Sport, 02-06 October 2019 Ankara-TURKEY
- M.Kececi; A. Özbahçe; B , Sönmez, 2019. Quantities of Organic Carbon Accrding to the Land Use Class in Differenrt Ecoşogical Zones of Turkey's Soils International Soil Congress 17-19 June 2019 Ankara-TURKEY
- M, Kececi; A, Ozbahce; S. Akgul. 2016. Organic Carb Contents of Soils and Changes in its Distribution as of Land Use. International Soil Congress June 20196 Istanbul- TURKEY
- M.Keçeci 2019. Soil Organic Carbon and Its Distribution by Land Use. Workshop on the Effects of Agricultural Activities on Soil and Water in the Western Mediterranean Region3. April 30, 2019. Directorate of Fisheries Research Institute Eğridir-Isparta.
- Mehmet KEÇECI, S. USTA, V. UYGUR Lead Adsorption in Soils and the Effect of Soil Properties: Case Study from Turkey Environmental Earth Sciences (2020) 79:416 https://doi.org/10.1007/

  s12665-020-09156 -3, 2020
- V. Uygur, M. Karaduman, Mehmet Kececi, E. Sukusu, M. Mujdeci Competitive Adsorption Of Heavy Metals In Different Soils Volume 26 – No. 10/2017 pages 6205-6211 Fresenius Environmental Bulletin 2017
- Mehmet KECECI; A. ÖZBAHÇE. The Importance of Soil Organic Carbon Management in Sustainable Food Security. Proceedings Book of 5th International Eurasian Congress on Natural Nutrition, Healthy Life & Sport, 02-06 October 2019, Ankara-Turkey.
- M.Keçeci, A.Özbahçe. B, Sonmez; Organic Carbon Contents of Turkish Soils According to Different Land Uses Depending on Ecozones. International Soil Science Congress 2019, ANKARA
- Arife Avağ, va, M. Keçeci, National Rangeland Utilization and Management Project Database Studies. Journal of Agricultural Sciences Research 5 (2): 102-106, 2012 ISSN: 1308-3945, E-ISSN: 1308-027X, www.nobel.gen.tr.

- Akça, M. O. , Usta, S. & Keçeci, M. (2014). Iodine adsorption and desorption in a soil formed on lime parent material. Journal of Soil Science and Plant Nutrition, 2(2), 57-69. Retrieved from https://dergipark.org.tr/tr/pub/tbbbd/issue/22382/239637.

- Tunçay, T. , Başkan, O. , Dengiz, O. , Keçeci, M. & Usul, M. (2022). Detailed survey, mapping and classification of Ankara province Kalecik district soils. Journal of Soil Science and Plant Nutrition, 10 (2), 135-149 . DOI: 10.33409/tbbbd.1139333.

- MADENOĞLU, S., ÖzcaN, H., PEKER, M.R., PINAR, M.Ö., Akgül, S., KEÇECİ, M., TUNÇAY, T., SEÇMEN, M. H., KOÇ, A., ÜSTÜNER, M., ŞEKERTEKİN, A., ABDİKAN, S., ESETLİLİ, M. T., ŞENSOY, A., KAYA, Ş., ERPUL, G., BALIK ŞANLI, F. 2022. Analysis of soil moisture in semi-arid areas with multi-temporal RADARSAT-2 data. Journal of Geodesy and Geoinformation. , 9 (1) , 1-11. DOI: 10.9733/JGG.2022R0001.T.

- ABDİKAN, S., SEKERTEKİN, A., MADENOGLU, S., OZCAN, H., PEKER, M., PİNAR, M. O., KOC, A., AKGUL, S., SECMEN, H., KECECİ, M., TUNCAY, T. AND BALİK SANLİ, F. 2023. Surface soil moisture estimation from multi-frequency SAR images using ANN and experimental data on a semi-arid environment region in Konya, Turkey. Soil & Tillage Research (in press).

- Soil Science Publication No 3969, Food, Agriculture and Livestock No: 047, ISBN: 978-625-417-524-4, E-ISBN: 978-625-417-525-1, Issue Number: 1st Edition, December 2021, ANKARA.

- DEMİR ZEYNEP, KEÇECI MEHMET, EROL TUNÇ ARZU, 2021. Effects of Nitrogen Fertigation on Yield, Quality Components, Water Use Efficiency and Nitrogen Use Efficiency of Silage Maize (*Zea Mays* L.) as the Second Crop. Journal of Plant Nutrition, 44(3), 373-394. https://doi.org/10.1080/01904167.2020.1822396.

- KEÇECİ, M., USUL, M., GÜÇDEMİR. İ., UYGUR,V. 2022. Short-term residual effect of municipal sewage sludge on the soil properties and potato yield. Soil Studies 11 (2), 70-77, http:// doi.org/ 10.21657/soilst.1218413.