



TAGEM
AR-GE & İNOVASYON

SOIL FERTILIZER AND WATER RESOURCES
CENTRAL RESEARCH INSTITUTE / ANKARA

ZEYNEP DEMİR, Assoc. Prof. Agricultural Engineer

ABOUT ME

She graduated from Ondokuz Mayıs University, Faculty of Agriculture, Soil Science and Plant Nutrition Department in 2002. She finished master degree in 2006. She finished PhD in 2012. She received the title of Associate Professor in the Department of Soil Science and Plant Nutrition in 2021. She still continues to work on projects on Soil Science, Soil Physics, Soil-Water-Plant Relationships, Soil Quality, Organic Waste and Waste Management, Composting, Soil Fertility, Soil and Water Conservation, Soil Mechanics and Technology, Pedotransfer Equations, Soil Analysis, Plant Analysis, Fertilizer and Fertilization, Organic Agriculture and Organic Fertilizers, Cover Crops and Biochar.

She is working on the project named "Soil Organic Carbon Sequestration Potential of European Agricultural Soils (CarboSeq)" within the scope of European Union Agricultural Soil Management European Joint Program (EJP SOIL) carried out within the scope of European Union (EU) Horizon 2020.

CONTACT



Gayret District Fatih Sultan Mehmet
Avenue No: 32 P.K:5 06172
Yenimahalle / ANKARA /TURKEY



zeynep.demir@tarimorman.gov.tr
zdemir06@yahoo.com



0312 315 65 60

EDUCATION

Assoc. Prof. Dr. Soil Science and Plant Nutrition Department
2021

PhD Ondokuz Mayıs University, Faculty of Agriculture
2006-2012 Soil Science and Plant Nutrition Department

MSc Ondokuz Mayıs University, Faculty of Agriculture
2003-2006 Soil Science and Plant Nutrition Department

Bachelor's Degree Ondokuz Mayıs Uni., Faculty of Agriculture
1998-2002 Soil Science and Plant Nutrition Department

LANGUAGE English YÖKDİL 77.5 / YDS 75

CAREER

2020- Soil Water Journal (Soil Studies) Editor-in-Chief, R&D Engineer, Soil Fertilizer and Water Resources Central Research Institute - ANKARA

2017-2020 Head of Soil and Plant Nutrition Department, R&D Engineer, Soil Fertilizer and Water Resources Central Research Institute – ANKARA

2017-2020 Proje Koordinatörü, R&D Engineer, Soil Fertilizer and Water Resources Central Research Institute – ANKARA

2013-2017 R&D Engineer, Soil Fertilizer and Water Resources Central Research Institute – ANKARA

2011-2013 R&D Engineer, Black Sea Agricultural Research Institute, Soil and Water Resources Department - SAMSUN

2003-2011 Research Asistance, Ondokuz Mayıs University, Faculty of Agriculture, Soil Science and Plant Nutrition Department - SAMSUN



ZEYNEP DEMİR, Assoc. Prof. Agricultural Engineer



▪ PROJECTS ▪ Projects Conducted

1. Su Kısıtı Kosullarında Yüzey Altı ve Üstü Damla Sulama Sistemlerinde Fertigasyon Uygulamalarının Biberin Verim ve Kalitesine Etkileri, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Zeynep Demir, Araştırmacı: Aynur Özbahçe, Araştırmacı: Yasemin Demir, 01/01/2014 - 29/12/2017.
2. Ankara Kosullarında Fertigasyon Yöntemiyle İkinci Ürün Silajlık Mısırdaki Azot Gübrelemesinin Verim ve Kalite Üzerine Etkisi, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Zeynep Demir, Araştırmacı: Mehmet Keçeci, Araştırmacı: Arzu Erol Tunç, 01/01/2015 - 30/12/2019.
3. Kayısı Bahçelerinde Yabancı Otlara Karşı Herbisitlere Alternatif Mücadele Yöntemlerinden Alevleme Ve Örtücü Bitkilerin Kullanım Olanaklarının Araştırılması - Tübitak 1001, Yürütücü: Nihat Tursun, Araştırmacı: Selçuk Arslan, Araştırmacı: Zeynep Demir, Araştırmacı: Hüseyin Karlıdağ, Danışman: Doğan Işık, 15/03/2014 - 15/03/2017.
4. Bazı Meyve Bahçelerinde Yabancı Otlarla Mücadelede Örtücü Bitkilerin Kullanılma Olanaklarının Araştırılması - Tübitak 1001, Yürütücü: Doğan Işık, Araştırmacı: Mahmut Dok, Araştırmacı: İdris Macit, Araştırmacı: Kibar Ak, Araştırmacı: Zeynep Demir, 01/05/2012 - 01/05/2015.
5. Çeltik Kavuzlu Tavuk Gübresinin Kompostlanması ve Tarımda Kullanılma Olanaklarının Araştırılması, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Gamze Depel, Araştırmacı: Haydar Polat, Araştırmacı: Gökhan Çaycı, Araştırmacı: Zeynep Demir, Araştırmacı: Celal Koca, 02/01/2012 - 28/12/2018.
6. Geleneksel ve Morfometrik Esaslara Göre Hazırlanmış Toprak Haritaları Kullanılarak Yapılan Arazi Toplulaştırma Çalışmalarında Başarı Ölçütlerinin Karşılaştırılması: Bafra Örencik Köyü Pilot Çalışması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi (BAP), Yürütücü: Orhan Dengiz, Araştırmacı: Coşkun Gülser, Araştırmacı: Aziz Şişman, Araştırmacı: Yasemin Şişman, Araştırmacı: Serkan İç, Araştırmacı: Zeynep Demir, 15/05/2009 - 15/05/2011.
7. Minöz Havzası Toprak Gruplarının Karakteristik Özellikleri ve Seri Bazında Haritalanması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi (BAP), Yürütücü: Orhan Dengiz, Araştırmacı: Coşkun Gülser, Araştırmacı: Serkan İç, Araştırmacı: Zeynep Demir, Araştırmacı: Ayşe Erel, 25/05/2009 - 25/09/2010.
8. Ondokuz Mayıs Üniversitesi Kampus Gölet Alanı Toprak Özelliklerinin Belirlenmesi ve Haritalanması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi (BAP), Yürütücü: Orhan Dengiz, Araştırmacı: Coşkun Gülser, Araştırmacı: Serkan İç, Araştırmacı: Zeynep Demir, 31/01/2008 - 31/01/2009.
9. "LF Organics" İsimli Mikrobiyal Gübrenin Kıvrıkcık Marul Verimine Etkisi. Özel Sektör Projesi - LF Tarım Ürünleri ve Tarımsal Danışmanlık San. Tic. Ltd. Şti. Yürütücüler: Zeynep Demir, Dilek Kaya Özdoğan – 2021.



ZEYNEP DEMİR, Assoc. Prof. Agricultural Engineer



- **PROJECTS**
- **Ongoing Projects**

10. Çeltik ve mısır atığı karışımından elde edilen biyokömürün ve su kısıtı uygulamalarının silajlık mısır verimi, toprak kalitesi ve su kullanım etkinliği üzerine etkileri, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Zeynep Demir, Arastirmacı: Betül Bayraklı, 01/01/2021 -31/12/2023.

11. AB HORIZON 2020 - EJP SOIL - CarboSeq - Soil organic carbon sequestration potential of agricultural soils in Europe, H2020, Proje Koordinatörü: Sevinç Madenoğlu, Arastirmacı: Zeynep Demir, Arastirmacı: Mehmet Keçeci, Arastirmacı: Muhammet Halil Koparan, Arastirmacı: Atilla Polat, Arastirmacı: Tülay Tunçay, Arastirmacı: Emel Kayalı, Arastirmacı: Sener Özçelik, Arastirmacı: İsmail Cinkaya, Arastirmacı: Nejat Özden, Arastirmacı: Ülfet Erdal, Arastirmacı: Mehmet Gür, Arastirmacı: Emre Can Kaya, 07/12/2020.

12. Farklı Biyogaz Üretim Tesislerinden Çıkan Sıvı Fermente Atıkların Tarımda Kullanılma Olanaklarının Araştırılması. Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Gamze DEPEL, Arastirmacı: Zeynep DEMİR, Arastirmacı: Mehmet KEÇECİ, Arastirmacı: Ayten NAMLI, Arastirmacı: Muhittin Onur AKÇA, Arastirmacı: Havva TAŞKIN. 01/01/2021 - 31/12/2024.

13. Biyokömürün Çinko ile Zenginleştirilmesi ve Elde Edilen Organomineral Gübrenin Tarımsal Kullanım Olanaklarının Araştırılması, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Mahmut Reşat Soba, Arastirmacı: Zeynep Demir, Arastirmacı: Tuğçe Ayşe Kardeş, Arastirmacı: Ahsen Ertem, Arastirmacı: Muhittin Onur Akça, Arastirmacı: Ferda Ünsal Canay. 01/01/2022 - 31/12/2026.

14. Kısıtlı Su Kosullarında Yetisen Patlıcanın Verim ve Kalitesine Asılı Bitki Kullanımı ve Vermikompost Uygulamasının Etkilerinin Belirlenmesi, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Sevinç Kıran, Arastirmacı: Zeynep Demir, Arastirmacı: Hatice Filiz Boyacı, Arastirmacı: Köksal Aydınşakir, Arastirmacı: Şebnem Kuşvuran, Arastirmacı: Şeküre Şebnem Ellialtıoğlu, Arastirmacı: Sinan Zengin, 01/01/2020.

15. Fosfat Çözücü Bakterilerin Tespiti ve Gübre Olarak Kullanılması Olanaklarının Değerlendirilmesi, Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü (TAGEM), Yürütücü: Dilek Kaya Özdoğan, Arastirmacı: Çağlar Sagun, Arastirmacı: İlhan Güngör, Arastirmacı: Zeynep Demir, Arastirmacı: Tülay Tunçay, Arastirmacı: Yusuf Isık, Arastirmacı: Murat Peker, Arastirmacı: Gökhan Kibaroglu, Arastirmacı: Naci Demirci, Arastirmacı: Gamze Depel. 01/01/2018.

16. Mikrobiyal Gübre Uygulamalarının Yaygınlaştırılması, GÜDÜMLÜ Proje – TAGEM-2022.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



- **PUBLICATIONS**
- **INTERNATIONAL ARTICLES AND PAPERS**
- **Articles Published in International Journals**

1. DEMİR ZEYNEP, 2022. Effects of vermicompost combined with different salinity levels on Proctor optimum water content, maximum dry bulk density and consistency of a sandy clay loam-textured soil, *Arid Land Research and Management*,
2. DEMİR ZEYNEP, 2022. Assessment of Soil Quality Index for Onion Cultivated Soils in a Semiarid Agricultural Ecosystem, *Environmental Science and Pollution Research*,
3. ZEYNEP DEMİR, AYNUR ÖZBAHÇE, YASEMİN DEMİR, 2022. Growth and physiological responses of pepper in different soil water regimes and nitrogen applications in a semiarid agricultural ecosystem using surface and sub-surface drip irrigation and its economic returns, *Rendiconti Lincei. Scienze Fisiche e Naturali*,
4. NUTULLAH ÖZDEMİR, ZEYNEP DEMİR, ELİF BÜLBÜL, 2022. Relationships Between Some Soil Properties and Bulk Density under Different Land Use, *Soil Studies*,
5. DEMİR ZEYNEP, ISIK DOĞAN, 2019. Effects of Cover Crops on Soil Hydraulic Properties and Yield in a Persimmon Orchard. *Bragantia*, 78(4), 596-605. <https://doi.org/10.1590/1678-4499.2010197>
6. DEMİR ZEYNEP, KEÇECİ 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>.
7. DEMİR ZEYNEP, 2020. Effects of Microbial Bio-Fertilizers on Soil Physicochemical Properties under Different Soil Water Regimes in Greenhouse Grown Eggplant (*Solanum Melongena L.*). *Communications in Soil Science and Plant Analysis*, 51(14), 1888-1903. <https://doi.org/10.1080/00103624.2020.1798983>.
8. DEMİR ZEYNEP, 2019. Effects of Vermicompost on Soil Physicochemical Properties and Lettuce (*Lactuca sativa* Var. *Crispa*) Yield in Greenhouse under Different Soil Water Regimes. *Communications in Soil Science and Plant Analysis*, 50(17), 2151-2168. <https://doi.org/10.1080/00103624.2019.1654508>.
9. DEMİR ZEYNEP, 2020. Alleviation of Adverse Effects of Sodium on Soil Physicochemical Properties by Application of Vermicompost. *Compost Science and Utilization*, 28(2), 100-116. <https://doi.org/10.1080/1065657X.2020.1789011>.
10. DEMİR ZEYNEP, ISIK DOĞAN, 2020. The Impact of Different Cover Crops, Mechanical Cultivation and Herbicide Treatment on The Soil Quality Variables and Yield in Apple (*Malus domestica* Borkh.) Orchard with a Coarse-Textured Soil. *Journal of Agricultural Sciences-Tarım Bilimleri Dergisi*, 26(4), 452-470. <https://doi.org/10.15832/ankutbd.527445>.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



- **PUBLICATIONS**
- **INTERNATIONAL ARTICLES AND PAPERS**
- **Articles Published in International Journals**

11. DEMİR ZEYNEP, TURSUN NIHAT, ISIK DOGAN, 2019. Effects of Different Cover Crops on Soil Quality Parameters and Yield in an Apricot Orchard. *International Journal of Agriculture and Biology*, 21(2), 399-408. <https://doi.org/10.17957/IJAB/15.0000>.

12. DEMİR ZEYNEP, GÜLSER COSKUN, 2021. Effects of Rice Husk Compost on Some Soil Properties, Water Use Efficiency and Tomato (*Solanum lycopersicum* L.) Yield under Greenhouse and Field Conditions. *Communications in Soil Science and Plant Analysis*, 52(9), 1051-1068. <https://doi.org/10.1080/00103624.2021.1892731>.

13. DEMİR ZEYNEP, GÜLSER COSKUN, 2008. Changes in Organic Carbon, NO₃-N, Electrical Conductivity Values and Soil Respiration Along a Soil Depth Due to Surface Application of Organic Wastes. *Asian Journal of Chemistry*, 20(3), 2011-2021.

14. GÜLSER COSKUN, DEMİR ZEYNEP, 2016. Sulama Uygulamaları için TDR Ölçümlerinde Kalibrasyonun Önemi. *DSI Teknik Bültenleri* (122), 55-60.

15. DEMİR ZEYNEP (2021). Effects of vermicompost applications on Atterberg Limits and workability of soils under different soil moisture contents. *Eurasian Journal of Soil Science*, 10(3), 215 – 221. <https://doi.org/10.18393/ejss.888643>.

16. DEMİR ZEYNEP, ÖZBAHÇE AYNUR (2021). Evaluating the Effects of Different Irrigation and Nitrogen Applications on Soil Water Content and Yield Quality Parameters of Pepper Using Surface and Subsurface Drip Irrigation. *Irrigation and Drainage*, <https://doi.org/10.1002/ird.2604>.

17. DEMİR ZEYNEP, ISIK DOGAN (2020). Using Cover Crops to Improve Soil Quality and Hazelnut Yield. *Fresenius Environmental Bulletin*, 29(4), 1974-1987.

18. DEMİR ZEYNEP, ISIK DOGAN (2019). Effects of Cover Crop Treatments on Some Soil Quality Parameters and Yield in a Kiwifruit Orchard in Turkey. *Fresenius Environmental Bulletin*, 28(9), 6988-6997.

19. TURSUN NIHAT, ISIK DOGAN, DEMİR ZEYNEP, JABRAN KHAWAR (2018). Use of Living, Mowed, and Soil-Incorporated Cover Crops for Weed Control in Apricot Orchards. *Agronomy-Basel*, 8(8), 1-10., <https://doi.org/10.3390/agronomy8080150>.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



20. ISIK DOGAN, DOK MAHMUT, AK KIBAR, MACIT IDRIS, DEMİR ZEYNEP, MENNAN HÜSREV (2014). Use of Cover Crops for Weed Suppression in Hazelnut (*Corylus avellana* L.) in Turkey. Communications in Agricultural and Applied Biological Sciences, Ghent University, 79(2), 105-110.

21. GÜLSER COSKUN, DEMİR ZEYNEP, İÇ SERKAN (2010). Changes in Some Soil Properties at Different Incubation Periods after Tobacco Waste Application. Journal of Environmental Biology, 31(5), 671-674.

22. DEMİR ZEYNEP, GÜLSER COSKUN (2008). Changes in Organic Carbon, NO₃-N, Electrical Conductivity Values and Soil Respiration Along a Soil Depth Due to Surface Application of Organic Wastes. Asian Journal of Chemistry, 20(3), 2011-2021.

23. GÜLSER COSKUN, İÇ SERKAN, CANDEMİR FERIDE, DEMİR ZEYNEP (2009). Effects of Rice Husk Application on Mechanical Properties and Cultivation of a Clay Soil with and without Planting. Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi, 6(3), 217-223.

• **International Papers, Seminars, etc.**

24. DEMİR ZEYNEP, 2019. Effect of Cover Crops on Mass Fractal Dimensions, Organic Carbon and Bulk Density of Aggregates in Cherry Orchard. 5. International Agriculture Congress (5.IAC-2019) - ISTANBUL, TURKEY, 132-136.

25. DEMİR ZEYNEP, ÖZBAHÇE AYNUR, 2020. Effects of nitrogen applications on macro and micro element nutrition of sweet pepper (*Capsicum annuum* L., cv. Demre) under different soil water regimes in field conditions. International Conference on Agriculture, Environmental and Rural Development (AERD-2020)-HINDISTAN. <https://doi.org/10.22161/conf.aerd.2020>.

26. DEPEL GAMZE, POLAT HAYDAR, ÇAYCI GÖKHAN, DEMİR ZEYNEP, KOCA CELAL, 2020. Changes in Some Chemical Properties of Composts With Different C/N Ratios Obtained From The Mixture of Rice Husk and Poultry Manure. ISPEC 4 th International Agriculture, Animal Science and Rural Development Conference - ANKARA, TURKEY, 93-116.

27. DEMİR ZEYNEP, 2020. Some Physical and Mechanical Properties and Workability of Soils in a Sarayköy Research and Application Station. IV. International Eurasian Agriculture and Natural Sciences Congress - TURKEY, 341-348.

28. DEMİR ZEYNEP, 2020. Assessment of Soil Physical and Hydraulic Properties in Orchards Under Cover Crops Management Systems. ISPEC 5th International Conference on Agriculture, Animal Science and Rural Development - ANKARA, TURKEY, 28-28.



• **International Papers, Seminars, etc.**

29. GÜLSER COSKUN, DENGİZ ORHAN, İÇ SERKAN, DEMİR ZEYNEP, SELVİ KEMAL ÇAĞATAY, 2010. Some mechanical properties and workability of Asağı Aksu Basin soils. International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality"- SAMSUN, TURKEY, 82-87.

30. DEMİR ZEYNEP, ÖZBAHÇE AYNUR, 2020. Changes of Saturated Hydraulic Conductivity and Some Soil Chemical Properties at Varying Soil Depths under Different Soil Moisture Regimes and Nitrogen Treatments in A Clay Textured Soil. II. International Agricultural, Biological & Life Science Conference-EDİRNE, TURKEY, 501-514.

31. DEMİR ZEYNEP, 2019. Quantifying Aggregate Stability and Dispersion Ratio of a Clay Soil under Cover Crops in Cherry Orchard. HASAT International Agriculture and Forest Congress-ANKARA, TURKEY, 1277-1289.

32. DEMİR ZEYNEP, 2019. Effect of Cover Crops, Mechanically Cultivation and Herbicide Treatment on Soil Organic Carbon and Saturated Hydraulic Conductivity in a Cherry Orchard with Clay Soil. 5 th International Eurasian Congress on 'Natural Nutrition, Healthy Life & Sport' - NATURAL 2019-ANKARA, TURKEY, 189-197.

33. GÜLSER COSKUN, CANDEMİR FERİDE, İÇ SERKAN, DEMİR ZEYNEP, 2007. Pedotransfer Modellerle İnce Bünyeli Topraklarda Doygun Hidrolik İletkenliğin Tahmini. V. Ulusal Hidroloji Kongresi - ANKARA, TURKEY, 563-569.

34. İSİK DOĞAN, DOK MAHMUT, AK KIBAR, MACİT İDRİS, DEMİR ZEYNEP, MENNAN HÜSREV (2015). Cover Crops For Weed Suppression in Persimmon Orchards in Turkey, 17th European Weed Research Society Symposium "Weed management in changing environments"-EWRS 2015- FRANSA, 182-182.

35. GÜLSER COSKUN, DEMİR ZEYNEP (2015). Sulama Uygulamaları İçin TDR Ölçümlerinde Kalibrasyonun Önemi, 3. Ulusal Sulama Sistemleri Sempozyumu-ANKARA, TURKEY, 41-41.

36. DEMİR ZEYNEP, TURSUN NİHAT, İSİK DOĞAN (2017). Effects of Cover Crops on Some Soil Physical Quality parameters in an Apricot Orchard, International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOT)-NEVSEHİR, TURKEY, 1236-1236.

37. İÇ SERKAN, GÜLSER COSKUN, CANDEMİR FERİDE, DEMİR ZEYNEP (2010). Effects of Plant Growth on Some Physical Properties of Different Textured Soils, International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality"-SAMSUN, TURKEY, 1072-1077.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



38. DEMİR ZEYNEP, GÜLSER COSKUN (2012). Effects of Rice Husk Compost Application on Some Soil Physicochemical Properties and Tomato Yield, The 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management"- IZMIR, TURKEY, 382-386.
39. ISIK DOGAN, DOK MAHMUT, AK KIBAR, MACIT IDRIS, DEMİR ZEYNEP, MENNAN HÜSREV (2016). Investigation of Using Cover Crops in Weed Control on Kiwi Fruits Orchards, Turkey 6th Plant Protection Congress with International Participation-KONYA, TURKEY, 840-840.
40. DEMİR ZEYNEP, GÜLSER COSKUN (2014). Effects of rice husk compost application on soil quality parameters in greenhouse conditions, 9th International Soil Science Congress on "The Soul of Soil & Civilization"-ANTALYA, TURKEY.
41. DEMİR ZEYNEP, ÖZBAHÇE AYNUR (2020). Effects of nitrogen applications on macro and micro element nutrition of sweet pepper (*Capsicum annuum* L., cv. Demre) under different soil water regimes in field conditions, International Conference on Agriculture, Environmental and Rural Development (AERD-2020)-HINDISTAN, Doi: 10.22161/conf.aerd.2020.
42. DEMİR ZEYNEP, GÜLSER COSKUN (2015). Change of Organic Matter, Electrical Conductivity and Soil Reaction in The Soil With Rice Husk Compost Application, Uluslararası Katılımlı Konuralp Çeltik Çalıştayı - DÜZCE, TURKEY, 32-32.
43. ISIK DOGAN, DOK MAHMUT, AK KIBAR, MACIT IDRIS, DEMİR ZEYNEP, MENNAN HÜSREV (2013). Possible use of cover crops in weed control on kiwi orchards in black sea region of Turkey, Joint Workshop of The Ewrs Working Groups: Novel and Sustainable Weed Management in Arid and Semi-Arid Agro Ecosystems and Weed Mapping-YUNANISTAN, 45-45.
44. KARABÜK BIRSEN, KEVSEROGLU KUDRET, DEMİR ZEYNEP (2019). The effects of nitrogen fertilization and sowing methods in the poppy (*Papaver somniferum* L.) variates on mineral elements contents of poppy leaves, 1st International Erciyes Agriculture, Animal & Food Sciences Conference-KAYSERİ, TURKEY, 157-157.
45. GÜLSER COSKUN, İÇ SERKAN, CANDEMİR FERİDE, DEMİR ZEYNEP (2008). Effects of Rice Husk Application on Mechanical Properties and Cultivation of A Clay Soil with and without Planting, International Meeting on Soil Fertility, Land Management and Agroclimatology-KUSADASI / AYDIN, TURKEY, 217-223.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



46. DEMİR ZEYNEP, DOK MAHMUT, AK KIBAR, MACIT IDRIS, ISIK DOGAN (2017). Effects of Cover Crop Applications on DTPA Extractable Micro Element Contents in The Hazelnut Orchard, IX. International Congress on Hazelnut-SAMSUN, TURKEY, 38-38.
47. DENGİZ ORHAN, GÜLSER COSKUN, EREL AYSE, DEMİR ZEYNEP, İÇ SERKAN (2011). Minöz Havzası Temel Toprak Özellikleri, Sınıflandırılması ve Haritalanması. Prof.Dr. Nuri MUNSUZ Ulusal Toprak ve Su Sempozyumu-ANKARA, TURKEY, 214-222.
48. DEMİR ZEYNEP, GÜLSER COSKUN (2019). Effects of Rice Husk Compost Application on Macro Element Nutrition and Yield of Tomato in Organic Growth, 10th International Soil Congress - "Successful Transformation toward Land Degradation Neutrality: Future Perspective". 2019-ANKARA, TURKEY, 489-494.
49. CANDEMİR FERIDE, GÜLSER COSKUN, İÇ SERKAN, DEMİR ZEYNEP (2010). Changes in pH, EC and NO₃-N along a clay soil profile due to surface application of hazelnut husk and manure, International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality"-SAMSUN, TURKEY, 693-698.
50. ISIK DOGAN, DOK MAHMUT, AK KIBAR, MACIT IDRIS, DEMİR ZEYNEP, MENNAN HÜSREV (2016). Cover Crops for Weed Suppression in Semi-Dwarf Apple Orchards, Turkey 6th Plant Protection Congress with International Participation-KONYA, TURKEY, 842-842.
51. GÜLSER COSKUN, İÇ SERKAN, CANDEMİR FERIDE, DEMİR ZEYNEP (2009). Mechanical Properties and Cultivation of A Clay Soil Influenced by Rice Husk Application, 10th Baku International Congress on Energy, Ecology, Economy - BAKU, 280-284.
52. ISIK DOGAN, DOK MAHMUT, AK KIBAR, MACIT IDRIS, DEMİR ZEYNEP, MENNAN HÜSREV (2015). Cover crops for weed suppression in semi-dwarf apple orchards in Turkey, 50th Croatian and 10th International Symposium on Agriculture-HIRVATISTAN, 265-265.
53. DEMİR ZEYNEP, GÜLSER COSKUN (2016). Effects of Rice Husk Compost on Water Use Efficiency and Yield of Tomato, Eurosoil 2016 -ISTANBUL, TURKEY, 124-124.
54. DEMİR ZEYNEP, GÜLSER COSKUN (2014). Toprakta Organik Karbon ve Elektriksel İletkenliğin Farklı Tarımsal Atık Uygulamaları ile Değişimi, 2nd International Drought and Deserification Symposium - KONYA, TURKEY, 92-97.
55. GÜLSER COSKUN, ÖZDEMİR NUTULLAH, CANDEMİR FERIDE, İÇ SERKAN, DEMİR ZEYNEP (2013). Fındık Zurufu ve Tütün Atıklarının Toprağın Bazı Fiziksel Özelliklerine Etkisi, Türkiye V. Organik Tarım Sempozyumu - SAMSUN, TURKEY, 296-301.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



56. AK KIBAR, ISIK DOGAN, DOK MAHMUT, MACIT IDRIS, DEMİR ZEYNEP, MENNAN HÜSREV (2016). The Effect of Cover Crops on Fauna in Orchards , Turkey 6th Plant Protection Congress with International Participation-KONYA, TURKEY, 323-323.
57. TURSUN NIHAT, DEMİR ZEYNEP, ISIK DOGAN (2017). Investigation of usage possibilities of cover crops in weeds control in apricot orchards , International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOT)-NEVSEHIR, TURKEY, 152-152.
58. DEMİR ZEYNEP, GÜLSER COSKUN (2010). Effects of surface application of hazelnut husk on DTPA extractable micro element contents along a soil depth, International Conference on Soil Fertility and Soil Productivity-ALMANYA.
59. DEMİR ZEYNEP, GÜLSER COSKUN, CANDEMİR FERIDE, İÇ SERKAN (2006). Organik Düzenleyiciler Olarak Fındık Zurufu ve Tütün Atıklarının Toprağın Bazı Kimyasal Özelliklerine Etkisi, Türkiye III. Organik Tarım Sempozyumu-YALOVA, TURKEY, 544-553.
60. DEMİR ZEYNEP, ISIK DOGAN, DOK MAHMUT, AK KIBAR (2017). A Comparison of DTPA Extractable Micronutrient Contents Influenced by Different Cover Crop Species, 3rd International Conference on Environmental Science and Technology (ICOEST)-MACARISTAN, 207-207.
61. DEMİR ZEYNEP, GÜLSER COSKUN, CANDEMİR FERIDE, İÇ SERKAN (2010). Changes in exchangeable cations in a clay loam soil depth due to surface application of organic wastes, International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality"- SAMSUN, TURKEY, 1198-1204.
62. GÜLSER COSKUN, DEMİR ZEYNEP (2015). Effect of Organic Matter on TDR Calibration and Measurements of Soil Moisture Content, International Soil Science Congress on "Soil Science in International Year of Soils 2015"- RUSYA, 147-151.
63. GÜLSER COSKUN, EKBERLİ İMANVERDİ, CANDEMİR FERIDE, DEMİR ZEYNEP (2011). İslenmiş Bir Toprakta Penetrasyon Direncinin Konumsal Değişimi, Prof.Dr. Nuri MUNSUZ Ulusal Toprak ve Su Sempozyumu-ANKARA, TURKEY, 244-250.
65. GÜLSER COSKUN, DEMİR ZEYNEP, CANDEMİR FERIDE, İÇ SERKAN (2007). Effects of different organic wastes on heavy metals availability in soil, 9th Baku International Congress "Energy, Ecology, Economy - BAKU, 48-52.
66. DEMİR ZEYNEP, DOK MAHMUT, AK KIBAR, MACIT IDRIS, ISIK DOGAN (2017). Effects of Cover Crops on Soil Organic Matter and Hazelnut Yield , IX. International Congress on Hazelnut-SAMSUN, TURKEY, 128-128.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



- **NATIONAL ARTICLES AND PAPERS**
- **Articles Published in National Journals**

67. DEMİR ZEYNEP, ISIK DOGAN, 2019. Comparison of Different Cover Crops on DTPA-Extractable Micronutrients in Hazelnut and Apple Orchards . Türk Tarım ve Doga Bilimleri Dergisi, 6(2), 137-147. <https://doi.org/10.30910/turkjans.556592>.

68. GÜLSER COSKUN, EKBERLI IMANVERDI, CANDEMİR FERIDE, DEMİR ZEYNEP, 2016. Spatial Variability of Soil Physical Properties in a Cultivated Field. Eurasian Journal of Soil Science, 5(3), 192-200. <http://dx.doi.org/10.18393/ejss.2016.3.192-200>.

69. DEMİR ZEYNEP, 2020. Quantifying Some Physical Properties and Organic Matter of Soils under Different Management Systems in Cherry Orchard. Eurasian Journal of Soil Science, 9(3), 208-221. <https://doi.org/10.18393/ejss.726906>.

70. DEMİR ZEYNEP, MUT ZEKI, MUT HANIFE, GÜLÜMSER ERDEM, 2021. Some Physico-Chemical and Mechanical Properties and Workability of Bilecik Seyh Edebali University Campus Soils. Anadolu Tarım Bilimleri Dergisi, 36(1), 146-161. <https://doi.org/10.7161/omuanajas.845696>.

71. DEMİR ZEYNEP, ISIK DOGAN, 2019. The Comparative Effects of Different Cover Crops on DTPA-Extractable Micronutrients in Orchards with Loam and Clay Textured Soils . Gaziosmanpasa Üniversitesi Ziraat Fakültesi Dergisi, 36(2), 107-116. <https://doi.org/10.13002/jafag4472>.

72. DEMİR ZEYNEP, KIRAN SEVINÇ, 2020. Effect of Vermicompost on Macro and Micro Nutrients of Lettuce (Lactuca Sativa Var. Crispa) Under Salt Stress Conditions. Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doga Dergisi, 23(1), 33-43. <https://10.18016/ksutarimdoga.vi.579695>.

74. DENGİZ ORHAN, GÜLSER COSKUN, İÇ SERKAN, DEMİR ZEYNEP, 2009. Asağırsu Havzası Topraklarının Fiziksel ve Kimyasal Özellikleri ve Haritalanması. Anadolu Tarım Bilimleri Dergisi, 24(1), 34-43.

75. DEMİR ZEYNEP, TURSUN NİHAT, ISIK DOGAN, 2019. Role of Different Cover Crops on DTPA-Extractable Micronutrients in an Apricot Orchard. Turkish Journal of Agriculture - Food Science and Technology, 7(5), 698-706. <https://doi.org/10.24925/turjaf.v7i5.698-706.2117>.

76. DEMİR ZEYNEP, 2020. The Evaluation of Basal Respiration and Some Chemical Properties of Soils under Cover Crop Treatments in a Cherry Orchard. Eurasian Journal of Soil Science, 9(2), 151-164. <https://doi.org/10.18393/ejss.706686>.

77. KARABÜK BİRSEN, KEVSEROĞLU KUDRET, DEMİR ZEYNEP (2020). Effects of Nitrogen Fertilization and Plant Density on Leaf Mineral Element Contents, Capsule Yield, Seed Yield and Morphine Ratio of Poppy (Papaver somniferum L.) Genotypes. Toprak Su Dergisi, 9(1), 11-24., <https://doi.org/10.21657/topraksu.595974>.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



78. MACIT IDRIS, KALE KÜBRA, DEMİR ZEYNEP, DOK MAHMUT, AK KIBAR, ISIK DOĞAN (2020). Bazı Örtücü Bitkilerin Trabzon Hurması (*Diospyros kaki L.*)'nda Verim ve Meyve Kalitesine Etkilerinin Arastırılması. Türkiye Tarımsal Arastırmalar Dergisi, 7(2), 128-135., <https://doi.org/10.19159/tutad.655120>. doi: 10.19159/tutad.655120.

79. ISIK DOĞAN, TÜRKMEN GÜLHANIM, DEMİR ZEYNEP, MACIT IDRIS (2018). Yarı Bodur Elma Bahçelerinde Bazı Örtücü Bitkilerin Verim ve Kalite Üzerine Etkileri. Erciyes Üniversitesi Fen Bilimleri Enstitüsü Fen Bilimleri Dergisi, 34(2), 60-74.

80. DEMİR ZEYNEP, GÜLSER COSKUN (2015). Effects of Rice Husk Compost Application on Soil Quality Parameters in Greenhouse Conditions. Eurasian Journal of Soil Science, 4(3), 185-190. <https://doi.org/10.18393/ejss.2015.3.185-190>.

▪ **OTHER PUBLICATIONS**

▪ **PhD. Thesis, Master Thesis, Reports, Books etc.**

DOKTORA TEZİ: ZEYNEP DEMİR: Çeltik Kavuzu Kompostunun Bitki Su Tüketimi Ve Toprak Kalitesine Etkisi - Effect Of Rice Husk Compost On Plant Water Consumption And Soil Quality Yazar: ZEYNEP DEMİR, Danışman: PROF. DR. COŞKUN GÜLSER, Yer Bilgisi: Ondokuz Mayıs Üniversitesi / Fen Bilimleri Enstitüsü / Toprak Bilimi ve Bitki Besleme Ana Bilim Dalı - 2012.

YÜKSEK LİSANS TEZİ: ZEYNEP DEMİR: Farklı Orijinli Organik Atıklardan Ayrışan Bazı Mineral Maddelerin Toprak Profili Boyunca Değişimi- Change Of Some Mineral Materials Decomposed From Different Originated Organic Wastes Through Soil Profile - Yazar: ZEYNEP DEMİR, Danışman: PROF.DR. COŞKUN GÜLSER, Yer Bilgisi: Ondokuz Mayıs Üniversitesi / Fen Bilimleri Enstitüsü / Toprak Bilimi ve Bitki Besleme Ana Bilim Dalı - 2006.

DOKTORA SEMİNERİ: ZEYNEP DEMİR: Toprakların Fiziko-Kimyasal Özelliklerindeki Değişimlerin Hidrolik İletkenlik Üzerine Etkileri - Ondokuz Mayıs Üniversitesi / Fen Bilimleri Enstitüsü / Toprak Bilimi ve Bitki Besleme Ana Bilim Dalı – 2008.

YÜKSEK LİSANS SEMİNERİ: ZEYNEP DEMİR: Organik atıklar ve Organik Atıkların Değerlendirilmesi -Ondokuz Mayıs Üniversitesi / Fen Bilimleri Enstitüsü / Toprak Bilimi ve Bitki Besleme Ana Bilim Dalı - 2004.

LİSANS SEMİNERİ: ZEYNEP DEMİR: Tarım Arazilerinin Amaç Dışı Kullanımı, Toprak Koruma ve Arazi Kullanım Planlaması - Ondokuz Mayıs Üniversitesi / Ziraat Fakültesi / Toprak Bilimi ve Bitki Besleme Ana Bilim Dalı – 2001.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



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

- 1- V. International Agriculture Congress (5.IAC-2019). 21-24 August 2019, ISTANBUL, TURKEY.
- 2- International Conference on Agriculture, Environmental and Rural Development (AERD). 22-23 July 2020, INDIA.
- 3- ISPEC 4 th International Agriculture, Animal Science and Rural Development Conference. 12-14 JUNE 2020, ANKARA, TURKEY.
- 4- IV. International Eurasian Agriculture and Natural Sciences Congress. 30-31 October 2020, Online, TURKEY.
- 5- ISPEC 5th International Conference On Agriculture, Animal Husbandry And Rural Development. 13-15 November 2020, ANKARA, TURKEY.
- 6- International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality". 26-28 May 2010, SAMSUN, TURKEY.
- 7- II. International Agricultural, Biological & Life Science Conference. 1-3 September 2020, EDİRNE, TURKEY.
- 8- HASAT International Agriculture and Forest Congress. 21-23 JUNE 2019, ANKARA, TURKEY.
- 9- 5 th International Eurasian Congress on 'Natural Nutrition, Healthy Life & Sport'. NATURAL 02-06 October 2019, ANKARA, TURKEY.
- 10- V. Ulusal Hidroloji Kongresi. 5-7 September 2007, ANKARA, TURKEY.
- 11- 17th European Weed Research Society Symposium "Weed management in changing environments (EWRS)". 22-26 June 2015 - FRANCE.
- 12- 3. Ulusal Sulama Sistemleri Sempozyumu. 15-16 October 2015, ANKARA, TURKEY.
- 13- International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF). 15-17 May 2017, NEVSEHİR, TURKEY.
- 14- The 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management". 15-17 May 2012, IZMIR, TURKEY.
- 15- Turkey 6th Plant Protection Congress with International Participation. 5-8 September 2016, KONYA, TURKEY.
- 16- 9th International Soil Science Congress on "The Soul of Soil & Civilization". 14-16 October 2014, Side, ANTALYA, TURKEY.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer



- 17- Konuralp Rice Workshop. 14-16 December 2015, DÜZCE, TURKEY.
- 18- Joint Workshop of The Ewrs Working Groups: Novel and Sustainable Weed Management in Arid and Semi-Arid Agro Ecosystems and Weed Mapping. 29 September - 03 October 2013, GREECE.
- 19- 1st International Erciyes Agriculture, Animal & Food Sciences Conference (AGANFOS). 24-27 April 2019, KAYSERİ, TURKEY.
- 20- International Meeting on Soil Fertility, Land Management and Agroclimatology. 29 October-1 November 2008, Kuşadası, AYDIN, TURKEY.
- 21- IX. International Congress on Hazelnut. 15-19 August 2017, SAMSUN, TURKEY.
- 22- Prof.Dr. Nuri MUNSUZ Ulusal Toprak ve Su Sempozyumu. 22-26 June 2011, ANKARA, TURKEY.
- 23- 10th International Soil Congress – “Successful Transformation toward Land Degradation Neutrality: Future Perspective”. 17-19 June 2019, ANKARA, TURKEY.
- 24- 10th Baku International Congress on Energy, Ecology, Economy. 22-26 June 2009, BAKU.
- 25- 50th Croatian and 10th International Symposium on Agriculture. 16-20 February 2015, CROATIA.
- 26- Eurosoil2016. 16-21 October 2016 - ISTANBUL, TURKEY.
- 27- 2nd International Drought and Deserification Symposium. 16-18 September 2014, KONYA, TURKEY.
- 28- Türkiye V. Organik Tarım Sempozyumu. 25-27 EYLÜL 2013, SAMSUN, TURKEY.
- 29- International Conference on Soil Fertility and Soil Productivity. 17-20 March 2010, GERMANY.
- 30- Türkiye III. Organik Tarım Sempozyumu. 01-04 KASIM 2006, YALOVA, TURKEY.
- 31- 3rd International Conference on Environmental Science and Technology (ICOEST). 19-23 October 2017, HUNGARY.
- 32- International Soil Science Congress on “Soil Science in International Year of Soils. 19-23 October 2015, Sochi, RUSSIA.
- 33- 9th Baku International Congress “Energy, Ecology, Economy. 7-9 June 2007, BAKU.



- **Reviewer in international and national journals**

1- **GEODERMA** - Review of Manuscript Id: GEODER-D-20-00350, Review of Manuscript title: Soil aggregate stability in salt-affected vineyards: from topsoil to deep soil horizons.

2 - **Agricultural Water Management**- AGWAT-D-22-00425, Review of Manuscript title: Response of Dry Matter Yield and Nutritive Value of Corn for Silage to Irrigation Water and Nitrogen

3 - **Archives of Agronomy and Soil Science**-Review of Manuscript GAGS-2021-0045, Review of Manuscript title: Poly- γ -glutamic acid prolong time of reaching permanent wilting point and improve available water capacity, stability of soil aggregates, lettuce (*Lactuca sativa* L.) yield, and water use efficiency

4 - **Acta Scientiarum Polonorum Hortorum Cultus** - Review of Manuscript title: Variation of Morphological, Biochemical and Essential Oil of *Achillea millefolium* as a Medicinal Plant to Drought Stress for Optimum Water Usage

5 - **Communications in Soil Science and Plant Analysis** - Review of Manuscript Id: LCSS-2021-0093, Review of Manuscript title: Characterization of Morphological, Physio-Chemical and Fertility Properties of Pear Growing Orchards under Temperate Conditions of Jammu & Kashmir, India

6 - **Compost Science & Utilization** - Review of Manuscript Id: UCSU-2020-0050, Review of Manuscript title: Managing Problematic Aquatic Macrophytes through Vermitechnology- Compositing and Pelleting.

7 - **Journal of Agricultural Sciences** - Manuscript Id: 850665, Review of Manuscript title: Tree Growth, Productivity and Fruit Quality Attributes of Pear Grown Under High Density Planting System on Heavy Soil.

8 - **Communications in Soil Science and Plant Analysis** - Review of Manuscript title: Impact of long-term application of organic and inorganic nutrient through inductive cum targeted yield model on soil physical properties under pearl millet wheat cropping system of Semi-arid North-West India.

9 - **Arid Land Research and Management** - Review of Manuscript title: Improving water and nutrients retention in sandy soil under different moisture contents.

10- **Archives of Agronomy and Soil Science** - Review of Manuscript Number: GAGS-2020-0519, Review of Manuscript title: Effect of long-term application of organic fertilizers on improving organic matter quality in acid soil.

11 - **Communications in Soil Science and Plant Analysis** - Review of Manuscript Id:LCSS-2021-0045, Review of Manuscript title: Application of soil fertility capability classification (FCC) in Tropical humid region of Kerala, India using GIS, remote sensing and detailed soil survey.



- **Reviewer in international and national journals**

12- **Journal of Soil Science and Plant Nutrition** - Review of Manuscript Number: JSSP-D-21-01338, Review of Manuscript title: Ridge-furrow rainwater harvesting in alfalfa production improves fodder quality, yield and decreases soil desiccation.

13- **Journal of Soil Science and Plant Nutrition** - Review of Manuscript Number JSSP-D-21-01577, Review of Manuscript title: Phosphorus extractability in relation to soil properties in different fields of fruit orchards in Pakistan.

14- **Journal of Applied Research on Medicinal and Aromatic Plants** - Review of Manuscript Id: JARMAP-D-20-00878, Review of Manuscript title: Research into production of seedling of opium poppy (*Papaver somniferum* L.): Yield and quality performance.

15- **Communications in Soil Science and Plant Analysis** - Review of Manuscript Id:LCSS-2021-0123, Review of Manuscript title: Cover crops long-term effects on physical-hydric properties of compacted Oxisol.

16- **South African Journal of Botany** -Manuscript Number Id: SAJB-D-22-00235, Review of Manuscript title: Clean application of pistachio residues-based vermicompost with γ -aminobutyric acid can alleviate the negative effects of high soil pH on P uptake in saffron (*Crocus sativus* L.).

17- **Toprak Su Dergisi** - Review of Manuscript title: Meyve Bahçelerinde Toprak Agregasyonunun Değerlendirilmesi.

18. **BSEU Journal of Science** - Review of Manuscript title: Vermikompost İle Birlikte Verilen Potasyum Ve Fosforun Adsorpsiyonu Üzerine Bir Araştırma.

19- **Toprak Bilimi ve Bitki Besleme Dergisi** - Review of Manuscript title: Zayıf Strüktürlü Toprağın Agregat Stabilitesi Ve Kırılma Değerine Yüksek Dozlarda Sıvı Hümik Asit Uygulamalarının Etkisi.

20- **Toprak Su Dergisi** - Review of Manuscript title: Toprakların Isısal Özellikleri ile Bazı Fiziksel ve Kimyasal Özellikleri Arasında Regresyon Modellerin Belirlenmesi.

21- **BSEU Journal of Science** - Review of Manuscript title: Leaf Nitrogen, Phosphorous, Carbon Variation and N and P Resorption in *Diospyros kaki* L. along an Altitudinal Gradient.



ZEYNEP DEMİR, Assoc. Prof.
Agricultural Engineer

TAGEM
AR-GE & İNOVASYON

- **Social Networks**

Google Scholar : <https://scholar.google.com/citations?hl=tr&tzom=-180&user=rE6CRLQAAAAJ>

Researchgate : <https://www.researchgate.net/profile/Zeynep-Demir-10>

ORCID : <https://orcid.org/0000-0002-7589-3216>

Publons : <https://publons.com/researcher/5132925/zeynep-demir/>

LinkedIn : <https://www.linkedin.com/in/assoc-prof-dr-zeynep-demir-713460169/>