



**TAGEM**  
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL  
RESEARCH INSTITUTE/ ESKİŞEHİR

## DEMET UYGAN

### Agricultural Engineer, MSc

#### EDUCATION

- PhD** 2011 Ege Univ. Faculty of Agric. Dep.of Farm Structures and Irrigation, Graduate School of Natural and Applied Science, İZMİR
- MSc** 1995-1998 Akdeniz Univ.Faculty of Agric. Dep. of Farm Structures and Irrigation, Graduate School of Natural and Applied Science, ANTALYA
- BSc** 1990-1994 Uludağ University of Agric. Dep.of Farm Structures and Irrigation, BURSA

**LANGUAGE** English / UDS: 52.50

#### CAREER


- 1995-1998, Research Assistant**, Faculty of Agriculture, Depart. of Farm Structures and Irrigation, Graduate School of Natural and Applied Sciences, Antalya-TURKEY
- 1998-2005, Researcher Engineer and Responsible for Information Processing**, Depart. of Water Manag., Research Institute of Rural Services, Eskişehir-TURKEY
- 2005-2006, Head of Department**, Eskişehir Directorate of Research Institute, Eskişehir-TURKEY
- 2006-2011, Head of Department**, Depart. of Water Manag., Ministry of Agric. and Rural Affairs, General Directorate of Agricul. Research, Directorate of Soil and Water, Eskişehir-TURKEY
- 2011-ongonig, Supervisor of Unit**, Agric. Irrig.and Land Reclamation Depart., Ministry of Agric. and Forestry, General Directorate of Agricultural Research and Policies

#### ABOUT ME


She was born in 1971 in Kütahya/Altıntaş. She completed her undergraduate education at Uludağ University Faculty of Agriculture in 1994. She completed her master's degree in Akdeniz University, Faculty of Agriculture, Department of Agricultural Structures and Irrigation. She is continuing her doctorate education at Ege University, Faculty of Agriculture, Department of Agricultural Structures and Irrigation.

She is still working as the Supervisor of the Transition Zone Agricultural Research Institute, Department of Soil and Water Resources, Agricultural Irrigation and Land Reclamation Unit.

#### CONTACT

 Karagözler Mah. Ziraat Cad. No:396  
Tepebaşı/Eskişehir TÜRKİYE

 [demet.uygan@tarimorman.gov.tr](mailto:demet.uygan@tarimorman.gov.tr)

 +90 222 324 0300 - 233



# DEMET UYGAN

## Agricultural Engineer, MSc



### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. Pollution Status of Drain Water in Eskişehir Irrigation Network and Determining Possibilities of its Usage in Irrigation, **M.Sc.**, 1995-1998, **Project Leader**
2. Planned of the tomatoes Irrigated with Drip Irrigation Program in Eskisehir region **GDAR**, 19982001, **Project manager**
3. Geographic Information Systems Techniques Using the Eskisehir-Türkmenmecidiyeköy Sprinkler Irrigation System Analysis and Evaluation, **GDAR**, 1999-2000, **Project manager**
4. The Effect of Different Lateral Spacings and Wetted Area on Yield and Irrigation Water Use Efficiency For Drip-Irrigated Tomatoes,**GDAR**, 2003-2005, **Project manager**
5. Investigation of the Effects of Certain synthetic and biological origin Polymer Applied to Agricultural Waste Water, **Anadolu University Department of Environmental Engineering Project**, 2004-2007, **Researcher**.
6. Monitoring and Mapping with Geographic Information System to Boron Levels Eskisehir-Seyitgazi irrigation network of the Soil and Water Resources, **GDAR**, 2001-2008, **Project Leader**
7. Wireless Intelligent Irrigation Systems (WIIS), **Private Sector** (TUBİTAK MAM Teknokent computer company), July 2008-December 2008, **Consultancy Small TÜBİTAK Project award**
8. Drip Irrigation Project Planning Grant and Support Package Program, **Private Sector** (computer company), 2009, **Consultancy**
9. Assessment of Performance Indicators for some Drip Irrigation Systems in Eskisehir and Sakarya Provinces, **GDAR**, **Project Leader**
10. Determination of water-yield relationship by Safflower Plants at Irrigation Period in Eskişehir Conditions, **GDAR**, 2007-2009, **Project manager**
11. Determination of Irrigation Scheme of The Corn Plant Irrigated With Drip Irrigation in Eskişehir conditions, **GDAR**, 2010-2012, **Project Leader**
12. Determination of Irrigation Scheme of The Poppy Plant Irrigated With Drip Irrigation System in Eskişehir conditions, **GDAR**, 2011-2014, **Project Leader**
13. Determination of Water Use Effectiveness Polymers (Water Retainer) That Use Agricultural Purposes in Laboratory Conditions, **GDAR**, 2012-2014, **Project manager**
14. Determination of Irrigation Program at Sugarbeet Sprinkler Irrigation Systems Moving Linear in Eskişehir Conditions, **GDAR**, 2011-2013, **Project Leader**
15. Determination of Irrigation Schduling of The Wheat Plant With Supplementary Irrigation in Eskişehir conditions, **EU-IFAD Home Project** , 2014-2016, **Irrigation Sub-project leader**
16. The effect of Irrigation levels, Lateral Intervals on The Yield in Tomato Which is Irrigated by DripIrrigation System in The Area of Eskişehir and Kütahya Project For Farmers, **GDAR**, Department of Training, Extension and Publications, 2016-2018, **Project Leader**
17. Taste From The Past (Tomato Growing) Project, **Training and Publication Project-Women farmers are meeting agricultural innovations**, 2019, **Project manager**.



# DEMET UYGAN

## Agricultural Engineer, MSc



### ▪ Ongoing Projects

1. The Investigation of Breeding Mutation and Irrigation on Yield Effect Of Saffron, **GDAR**, 2016-2021, **Project manager** (irrigation part is corrected according to AYK decisions).
2. **Guided project:** Determining the Technical Performances of Drip Irrigation Systems Used in Turkey and Analysis of the Impact of Drip Irrigation Supports, **Sub-Project:** Determination of Technical Performance of Systems of Drip Irrigation Used in Eskişehir Region, **GDAR**, 2017-2020, **Project Leader** (The final report is in print, the doctorate part continues).
3. Saffron From Woman's Hand, Women Farmers Meet with Agricultural Innovations, **Training and Publication Project-Women farmers are meeting agricultural innovations**, 2020-2022, **Sub-Project Leader**
4. Determination of the Effect of Different Vermicompost (Worm Fertilizer) Doses on Soil Properties and Saffron Yield-Quality in Saffron (*Crocus sativus* L.) Cultivation Under Deficit Irrigation Water Conditions, **GDAR**, 2022-2025, **Project Leader**
5. **Guided project:** Investigating the Use of Marginal Water in Agricultural Irrigation and Determining Its Contribution to the Circular Economy (MARSUDE) **Sub-Project:** Determination of the Usage Opportunities of Eskisehir Region Domestic Wastewater Treatment Water in Sunflower Cultivation, **GDAR**, 2022-2024, **Project Leader**.
6. Sugar Beet Production with Mobile Drip Irrigation and Research of Water Saving Possibilities, **TÜBİTAK1001**, 2022-2025, **Project manager**

### ▪ PUBLICATIONS

#### ▪ INTERNATIONAL ARTICLES AND PAPERS

#### ▪ Articles Published in International Journals

1. ÇETİN, Ö., YILDIRIM, O., **UYGAN, D.**, BOYACI, H., 2002. Irrigation Scheduling of Drip-Irrigated Tomato Using Class A Pan Evaporation. Turkish Journal of Agriculture and Forestry, Vol. 26, No: 4, pp. 171-178
2. ÇETİN, Ö., **UYGAN, D.**, 2008. The effect of drip line spacing, irrigation regimes and planting geometries of tomato on yield, irrigation water use efficiency and net return. Agricultural Water Management, Volume 95, Issue 8, August 2008, Pages 949-958.
3. ÇETİN, Ö. , **UYGAN, D.**, and BOYACI, H., 2008. Tomato irrigation scheduling improved by using percent canopy cover and crop developmental stage. Australian Journal of Agricultural Research, Volume 59 Number 12, pp. 1113-1120.
4. CETIN, Ö., **UYGAN, D.** ve YALÇIN, G., 2011. Impacts Of Boron-Affected Water In Boron-Mining Catchment Area On Soil And Crops. Journal of Environmental Protection and Ecology Vol.: 12, No:4A,p. 2028-2037.
5. **UYGAN, D.**, CETIN, Ö., 2012. Mapping Boron Pollution Using GIS For Boron-Affected Soils In Western Turkey. Carpathian Journal of Earth and Environmental Sciences, February 2012, Vol.7, No:1, p. 89-94.
6. **UYGAN, D.**, ÇETİN, Ö., ALVEROĞLU, V., SOFUOĞLU, A. 2021. Improvement of water saving and economic productivity based on quotation with sugar content of sugar beet using linear move sprinkler irrigation. Agricultural Water Management, 255, 106989.



# DEMET UYGAN

## Agricultural Engineer, MSc



### ▪ Uluslararası Bildiriler, Seminerler vb.

1. **UYGAN, D.** ve ÇETİN, Ö., 2004. "Agricultural and Environmental Effects of Boron: Sedisuyu Watershed" Proceedings of the 2nd International Boron Symposium. 23-25 September, 2004, 527-540, Eskişehir
2. CETIN, O., **UYGAN, D.**, ÖĞRETİR, K., 2006. Evapotranspiration Calculated by Field Trials, Single and Dual Kc Using The Methodologies in FAO-56 For Grain Corn, International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, 04-08 April, 2006, Adana.
3. **UYGAN, D.** ve ÇETİN, Ö., 2007. Evaluation of Boron in Drinking Water in Some Villages of Seydisuyu Watershed (Eskisehir) of Turkey, International Conference on Enviroment: Survival and Sustanibility, 19-24 February, 2007, Nicosia-Northern Cyprus, p. 629.
4. **UYGAN, D.**, 2009. "Determination of Boron Levels in Some Selected Agricultural Fields, Soil and Irrigation Water in Eskişehir Seyitgazi Irrigation Network", TMMOB (Turkish Chamber of Mining Engineers) IV. International Boron Symposium, Eskişehir.
5. BOYACI, H., **UYGAN, D.**, GÖNENTAŞ, G., 2009. The Importance of Boron in Vegetable Production. TMMOB (Turkish Chamber of Mining Engineers) IV. International Boron Symposium, Eskişehir.
6. **UYGAN, D.**, 2010. Pollution Of Karasu River With Industrial And Municipal Wastes, "6th Chemical Engineering Conference For Collaborative Research In Eastern Mediterranean Countries EMCC-6-Chemical Engineering Solutions to Critical Problems of the 21st Century", 11-12 Mart, Antalya.
7. **UYGAN, D.**, BOYACI, H., ÇETİN, Ö., AYDIN B., 2010. Evaluation of Flor Levels in Irrigated Plant with Water Supply of Eskişehir-Beylikova-Kızılcaören Pond, International Soil Science Congress on -Management of Natural Resources to Sustain Soil Health and Quality-, 26-28 Mayıs, Samsun.
8. ÇETİN, Ö., **UYGAN, D.**, TARI, A.F., 2015. An Assessment of Surface Wetted Percentage And Soil Moisture For Drip-irrigated Horticultural Crops Under Farmer Conditions. 2 nd International Symposium For Agriculture And Food- ISAF 07-09 October, Ohrid-MAKEDONYA
9. ÇETİN, Ö., ÜZEN, N., **UYGAN, D.**, 2017. Comparison of the field measurements on crop evapotranspiration (ETc) and the estimated ETc using the methodologies of Dual Kc in FAO-56 for the field tomatoes, 8th International Conference on Biosystems Engineering May 11-13, 2017 (BSE 2017)-Tartu, ESTONIA.

- **UYGAN, D.**, 2018, Effects of Irrigated Safflower Plant on Yield and Yield Components at Different Growth Periods in Eskişehir Conditions, 1st International Agricultural Structures and Irrigation Congress, 26-28 September, Antalya

### ▪ ULUSAL MAKALELER VE BİLDİRİLER

### ▪ Ulusal Dergilerde Yayınlanmış Makaleler

1. **UYGAN, D.**, HAKGÖREN, F., BÜYÜKTAŞ, D., 2005. Eskişehir Sulama Şebekesinde Drenaj Sularının Kirlenme Durumu ve Sulamada Kullanma Olanaklarının Belirlenmesi, Akdeniz Üniversitesi Dergisi, Antalya
2. GÖNÜLTAŞ, G., **UYGAN, D.** ve BOYACI, H., 2008. Küresel Isınma Gerçeği Çerçevesinde Türk Tarımı. Türk Tarım Dergisi, Ocak-Şubat, Sayı:179 s. 9-12.
3. GÖNÜLTAŞ, G., **UYGAN, D.** ve BOYACI, H., 2008. Kırsal Kalkınma ve Türkiye. Türktarım Dergisi, Eylül-Ekim, Sayı: 183 s. 50-57.



## DEMET UYGAN

### Agricultural Engineer, MSc



4. **UYGAN, D.**, ÇETİN, Ö., 2015. Eskişehir ve Sakarya İllerinde Kurulu Bazı Damla Sulama Sistemlerinde Performans Göstergelerinin Değerlendirilmesi, Topraksu Dergisi, Cilt:4, Sayı:1, s.27-35.
  5. **UYGAN, D.**, 2015. Sürdürülebilir Tarım İçin Şeker Pancarında Damla Sulama, Tarım ve Yaşam, Ocak-Şubat-Mart Yıl :2, Sayı:4, s. 54-59.
  6. **UYGAN, D.**, 2015. Sürdürülebilir Su Yönetimi İçin Basıncılı Sulama, Türktarım dergisi, Kasım-Aralık sayısı, Sayı: 225, s. 34-41.
  7. **UYGAN, D.**, 2017. Eskişehir Koşullarında Damla Sulama İle Sulanan Şekerpancarında "Su Verim İlişkileri, Su Tüketimi ve Su Kullanım Etkinliği, TOPRAKSU DERGİSİ, ÖZEL SAYI - 2017 SPECIAL ISSUE, ANKARA
- **Ulusal Bildiriler, Seminerler vb.**
1. ÇETİN, Ö., BOYACI, H., **UYGAN, D.**, ÖĞRETİR, K.,1999. Kışlık Buğdayda Sulama-Azot ve Bazı Önemli İklim Özellikleri Arasındaki İlişkiler, Türkiye III. Tarla Bitkileri Sempozyumu Bildirileri, 15-20 Kasım 1999, Adana.
  2. ÇETİN, Ö., GÜLMEZ, F., BOYACI, H., **UYGAN, D.**, TURAN, N., 2001. Eskişehir-T. Mecidiyeköy Sulama Şebekesinde Coğrafi Bilgi Sistemleri(CBS) Kullanarak Bor ve Tuzluluk Risk Haritasının Elde Edilmesi. Trakya Toprak ve Su Kaynakları Sempozyumu, 24-27 Mayıs 2001, Kırklareli, pp. 144-150.
  3. **UYGAN, D.**, ÇETİN, Ö., YALÇIN, G., 2002, Eskişehir Seyitgazi Sulama Şebekesi Su Kaynakları ve Topraklarında Bor Kirlilik Düzeyinin Belirlenmesi, Bor Sempozyumu, 20-22 Haziran, 2002, Balıkesir.
  4. CETIN, O., **UYGAN, D.**, BOYACI, H., YILDIRIM,O., 2002. Eskişehir Koşullarında Damla Sulama İle Sulanan Tarla Domatesinde Farklı Sulama Uygulamalarının Verim Ve Kaliteye Etkisi, IV. Sebze Tarımı Sempozyumu, 17-20 September, 2002, Bursa.
  5. **UYGAN, D.**, ÇETİN, Ö., YALÇIN, G., 2003. Eskişehir Seyitgazi Sulama Şebekesinde Bor İçeriği Yüksek Sulama Sularının Toprak ve Bitkilere Etkisi. II. Ulusal Sulama Kongresi, Bildiriler Kitabı, 16-19 Ekim 2003, Aydın, pp. 199-211
  6. BOYACI, H., **UYGAN, D.**, ÇETİN, Ö., 2007. Eskişehir Kızılcaören Göleti Sulama Sahasındaki; Sulama Suları ve İçme Suyunda Flor Kirlilik Seviyelerinin Belirlenmesi. VII. Ulusal Ekoloji ve Çevre Kongresi Program ve Bildiri Özetleri, 10-13 Eylül 2007, Malatya, p.117.
  7. **UYGAN, D.**, ÖZTÜRK, N., 2007. Eskişehir-Osmaniye Köyü Sulamada Kullanılan Drenaj Sularının Kalitesinin Değerlendirilmesi, VII. Ulusal Ekoloji ve Çevre Kongresi Program ve Bildiri Özetleri, 10-13 Eylül 2007, Malatya, p.117.
  8. BOYACI, H., **UYGAN, D** ve GÖNÜLTAŞ, G., 2008. Türkiye'nin Yağ İhtiyacının Karşılmasında İç Anadolu Bölgesinde Üretilecek Aspir Bitkisinin Önemi. Bitkisel Yemelik Yağlar Sempozyumu, 08-10 Mayıs, Adana.
  9. **UYGAN, D.**, 2008. Eskişehir-Karacahöyük, Gökdere ve Osmaniye Köylerinde Sulama Suyu Amaçlı Kullanılan Drenaj Sularında Ec ve Total Tuz Değişiminin Belirlenmesi. 19. Ulusal Biyoloji Kongresi, s.638, 23-27 Haziran, Trabzon.
  10. BOYACI, H., **UYGAN, D** ve GÖNÜLTAŞ, G., 2008. Çevresel Sorun Küresel Isınmanın Tarımsal Kuraklığa Etkileri. 19. Biyoloji Kongresi, s.377, 23-27 Haziran, Trabzon.
  11. **UYGAN, D.**, ÇETİN Ö, ve BOYACI, H., 2008. Eskişehir Koşullarında Damla Sulama ile Sulanan Tarla Domatesinde "Su Verim İlişkileri, Su Tüketimi ve Su Kullanım Etkinliği. VII. Sebze Tarımı Sempozyumu, 26-29 Ağustos, Yalova.



## DEMET UYGAN

### Agricultural Engineer, MSc



12. **UYGAN, D.**, GÜNEŞ, M, YAZLIK, A., ve BOYACI, H., 2008. İçme Sularındaki Bor Minerallerinin İnsan Sağlığı Üzerine Etkileri. Su Enerji Sağlık Sempozyumu, s.115, 20-23 Ekim, Aksaray.
13. GÜNEŞ, M., NACAR, A.S., **UYGAN D.** ve YAZLIK, A., 2008. Yağmur Suyu Hasadı Yöntemi ile Meyve Ağaçları İçin Oluşturulan Su Tutma Yapılarının Kurak Alanlarda Uygulanması. Su Enerji Sağlık Sempozyumu, s.114, 20-23 Ekim, Aksaray
14. **UYGAN, D.**, 2008. Eskişehir-Gökdere Yöresindeki Drenaj Sularının Kalitesinin Değerlendirilmesi. VIII. Ulusal Ekoloji ve Çevre Kongresi, s. 68, 20-23 Ekim, Girne-KKTC.
15. BOYACI, H., **UYGAN, D.**, GÖNENTAŞ, G., 2009. Aspir Bitkisinin Dinçer Çeşidi Su Kullanım Randımanı. III. Ulusal Kar Kongresi, Erzurum.
16. BOYACI, H., **UYGAN, D.**, GÖNENTAŞ, G., 2009. Küresel Isınmanın Etkisiyle İklimsel Değişimle Birlikte Değişen Potansiyel ETp (Evaporatranspirasyon) Değerleri. III. Ulusal Kar Kongresi, Erzurum.
17. BOYACI, H., **UYGAN, D.**, GÖNENTAŞ, G., 2009. Küresel İklim Değişiminin Tarımsal Sulama Suyuna Olabilecek Etkileri. GYTE (Gebze İleri Teknoloji Enstitüleri Enstitüsü Üniversitesi, Türkiye’de Çevre Kirlenmesi Öncelikleri Sempozyumu VI. Sempozyumu. GEBZE.
18. GÖNENTAŞ, G., BOYACI, H., **UYGAN, D.**, 2009. Küresel İklim Değişim Sürecinin Tarıma Olabilecek Etkileri GYTE (Gebze İleri Teknoloji Enstitüleri Enstitüsü Üniversitesi, Türkiye’de Çevre Kirlenmesi Öncelikleri Sempozyumu VI. Sempozyumu. GEBZE.
19. **UYGAN, D.**, 2009. “Eskişehir- Karacahöyük, Gökdere ve Osmaniye Yörelerindeki Drenaj Sularının Flor Düzeylerinin Değerlendirilmesi”, 1. Ulusal Kuraklık ve Çölleşme Sempozyumu, 16-18 Haziran 2009, Konya.
20. BOYACI, H., **UYGAN, D.**, GÖNENTAŞ, G., 2009. Tarımsal Kuraklığın Bitkiye Etkisi. 1. Kuraklık ve Çölleşme Sempozyumu, Toprak ve Kaynakları Konya Araştırma Enstitüsü, KONYA.
21. BOYACI, H., CAMCI, H., **UYGAN, D.**, GÖNENTAŞ, G., ATEŞ, Ö., 2009. Aspir Bitkisinin Dinçer Çeşidinin Farklı Su Uygulamaları İle Yağ Kompozisyonları. Karadeniz Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü Koromotografi 2009 Sempozyumu, TRABZON.
22. **UYGAN, D.**, 2009. “Eskişehir-Karacahöyük, Gökdere ve Osmaniye Yörelerindeki Drenaj Sularının Bor Düzeylerinin Değerlendirilmesi”, IX. Ulusal Ekonomi ve Çevre Kongresi, 07-10 Ekim 2009, Nevşehir.
23. BOYACI, H., ÖĞRETİR, K., **UYGAN, D.**, GÖNENTAŞ, G., TOPRAK, S., 2009. Mısır Tarımında Uygulanacak Sulama Programı İle Kazanılacak Tarımsal Alanlar Ve Üretim Miktarları. Mustafa Kemal Paşa Üniversitesi Ziraat Fakültesi Tarla Bölümü, Türkiye VII. Tarla Bitkileri Kongresi, Hatay.
24. **UYGAN, D.**, 2010. Eysel ve Endüstriyel Atıklarla Kirlenen Akarçay’ın Sulama Suyu Olarak Kullanılabilme Olanaklarının Belirlenmesi”, I. Ulusal Toprak ve Su Kaynakları Kongresi, 1-4 Haziran, Eskişehir.
25. **UYGAN, D.**, BOYACI, H. 2010. “Karasu’nun Sulama Suyu Olarak Değerlendirilmesi” I. Ulusal Toprak ve Su Kaynakları Kongresi, 1-4 Haziran, Eskişehir.
26. ÇETİN, Ö., **UYGAN, D.**, BOYACI, H., 2011 “The Irrigation Strategies to Maximize Yield and Water Using Efficiency in Drip Irrigated Tomato”, I. National Ali Numan Kırac Agriculture Congress and Fair with International Participation, 27-30 April , Eskişehir-TURKEY
27. **UYGAN, D.**, BOYACI, H., GÖNENTAŞ, G., ÇETİN, Ö., 2011. Eskişehir İlinde Kurulu Bazı Damla Sulama Sistemlerinin Performanslarının Belirlenmesi. II. Ulusal Toprak ve Su Kay. Kong., 22-25 Kasım, Ankara-TÜRKİYE



# DEMET UYGAN

## Agricultural Engineer, MSc



28. **UYGAN, D.**, BOYACI, H., GÖNENTAŞ, G., 2012. Farklı Gelişme Dönemlerinde Sulanan Haşhaş'ın (Papaver Somniferum L.) Yağ Asitleri Kompozisyonunun Belirlenmesi, II. Ulusal Sulama ve Tarımsal Yapılar Sempozyumu, 24-25 Mayıs, İzmir-TÜRKİYE
29. **UYGAN, D.**, 2013. Sakarya İlinde Bazı Süs Bitkilerinde Kurulu Damla Sulama Sistemlerinin Performanslarının Belirlenmesi, V. Süs Bitkileri Kongresi, 06-09 Mayıs, Yalova-TÜRKİYE
30. **UYGAN, D.**, 2014. Küresel Isınmanın İklimsel Yağış Değerlerine Olan Etkisinin Belirlenmesi. 12. Ulusal Kültürteknik Sempozyumu. 21-23 Mayıs, Tekirdağ-TÜRKİYE
31. **UYGAN, D.**, 2014. Drip Irrigation Program of Silage Corn Plant, 2nd Drought and Desertification Symposium with International Participation, 16-18 September, Konya-TURKEY
32. ÖZAYDIN, A. K., YILDIRIM, Y. E., KÖKSAL, E. S., ÇETİN, Ö. YILDIZ, Ö., SÖNMEZ, B., TAHMİŞÇİOĞLU, S., KÜÇÜKÇOŞKUN, Ş., CAYMAZ, U., UÇAR, İ., TÜRKEŞ, M., TAŞ, İ., KODAL, S., BULUT, İ., YILMAZ, A., KOLSUZ, H. U., BULUT, F., ŞİMŞEK, O., ANGIN, N., KAYA, B., BİLGİN, G. K., AVAĞ, K., KÖŞKER, Y., AYSEL, M., TEKELİ, M., AYDINŞAKİR, K., DİNÇ, N., BEREKATOĞLU, K., GÜNEY, E., KARAGÖZ, K., **UYGAN, D.**, ÖZBEK, Ö., KÖSETÜRKMEN, S., KÜÇÜKYUMUK, C., YILDIZ, H., KORKMAZ, N., GÜNDÜZ, M., ŞEN, S., TARI AKAP, P., ÖZÇELİK, Ş., ALTAY, T., ARAS, S., YÜZBAŞI, Ş., ÇEBİ, Ü., ÖZDEMİR, A.G., ÖZER, S., GÜNDÜZ, A., DÜNDAR, M. A., BOZKURT, Ç., Y., BAYDAR, A., TAŞAN, M., KARA, F., ANLAĞAN TAŞ, M., BAHÇECİ, P., ÜĞLÜ, G., BOYACIOĞLU, A., ÖZER, N., 2014. Database Design that Can Be Used in Plant Water Consumption Studies, 2nd Drought and Desertification Symposium with International Participation, 16-18 September, Konya-TURKEY
33. **UYGAN, D.**, 2015. "Water Yield Relations, Water Consumption and Water Use Efficiency in Sugar Beet Irrigated by Drip Irrigation in Eskişehir Conditions, 4th International Participation Soil and Water Resources Congress, 01-04 September, Kahramanmaraş-TURKEY
34. **UYGAN, D.**, BELEN, S., 2017, Determination of Irrigation Program with Supplementary Irrigation in Wheat Plant Irrigated with Drip Irrigation in Eskişehir Conditions, V. International Participation Soil and Water Resources Congress, Congress Proceedings, 12-15 September 2017, Kırklareli- TURKEY
35. **UYGAN, D.**, 2018. Determination of Boron Levels of Çatören and Kunduzlar Dams in Eskişehir Seyitgazi Irrigation Network, 5th International Dam Safety Symposium, 27 October-1 November, Istanbul-TURKEY
36. **UYGAN, D.** ve FİDANTEMİZ, Y.F., 2019. Determination of Yield and Quality Characteristics of Silage Maize (Zea mays L.) Irrigated by Drip Irrigation in Eskişehir Conditions, 6th Congress on Soil and Water Resources with International Participation, 12-14 November 2019, İzmir. Presentation by Uyan.

### DİĞER YAYINLAR

#### ▪ Doktora Tezi, Yüksek Lisans Tezi, Raporlar, Kitaplar vb.

1. **UYGAN, D.** ve HAKGÖREN, F., 1998. Eskişehir Sulama Şebekesinde Drenaj Sularının Kirlenme Durumu ve Sulamada Kullanılma Olanaklarının Belirlenmesi, **Yüksek Lisans Tezi**, 1995-1998, Antalya
2. ÇETİN, Ö., **UYGAN, D.**, BOYACI, H., 2000. Damla Sulama ve Eskişehir Bölgesinde Domates Sulaması. Eskişehir İli'nin Tarımsal Potansiyeli, Sorunları ve Çözüm Yolları-3 (Sebzecilik) Sempozyum Bildirileri, 15 Şubat 2000, Eskişehir.



# DEMET UYGAN

## Agricultural Engineer, MSc



1. **UYGAN, D.**, ÖZTÜRK, N., ÇETİN, Ö., 2001. Sulama Sularında Kirlilik ve Önemi: "Eskişehir-Seyitgazi- Kırka Yöresinde Bor Kirliliği" Eskişehir İli'nin Tarımsal Potansiyeli, Sorunları ve Çözüm Yolları (Bitki, Toprak, Su, İklim ilişkileri)-5. Sempozyum Bildirileri, Eskişehir, pp. 43-54
  2. **UYGAN, D.**, ÖĞRETİR, K., 2009. Pollution of Karasu (Sakarya River) with Domestic and Industrial Wastes, "Urban Wastewater Treatment Directive Legislation and Applications" Seminar, TAİEX, 06-07 May, Eskişehir.Agriculture And Food- ISAF 07-09 October, Ohrid-MAKEDONIA
  3. BOZKURT ÇOLAK, Y., BAYDAR, A., KÖSETÜRKMEN, S., ÜĞLÜ, G., AYDINŞAKİR, K., DİNÇ, N., ÖZBEK, Ö., ANGIN, N, KAYA, B., EVREN, S., GÜNEY, E., . KARAGÖZ, K., ANLAĞAN TAŞ, M., BEREKATOĞLU, K., **UYGAN, D.**, TAŞAN, M., KARA, F., ÇEBİ, Ü., ÖZER, S., GÜÇLÜ ÖZDEMİR, A., GÜNDÜZ, A., DÜNDAR, M. A., KÜÇÜKYUMUK, C., YILDIZ, H., AYDIN, O., KARACA BİLGİN, G., AVAĞ, K., KÖŞKER, Y., AYSEL, M., BAHÇECİALSAN, P., KORKMAZ, N., GÜNDÜZ, M., ŞEN, S., ÖZÇELİK, Ş., TARI AKAP, P., ALTAY, T., ARAS, S., YÜZBAŞI, Ş., BOYACIOĞLU, A., TUNCA, E., ÇETİN, S., 2016. Türkiye'de Sulanan Bitkilerin Bitki Su Tüketimi Rehberi Kitabı, Ankara-TÜRKİYE
- **Üyelik, Eğitim, Kurs, Toplantı, Kongre, Sempozyum ve Diğer Faaliyetler**
  - **Üyelikler**
1. Dış Danışma Kurulu Üyeliği, Eskişehir Osmangazi Üniversitesi Fen Bilimleri Enstitüsü, ESKİŞEHİR
  2. Sakarya Havzası Nehir Havza Yönetim Planını Hazırlanması İçin Yönlendirilmesi ve Takibi Kurul Üyeliği, ANKARA
- **Eğitim, Kurs, Toplantı,**
1. Land Consolidation, 17-26/07/**1995**, Bursa- TURKEY
  2. Impact of Irrigation and Agricultural Management on Environmental Quality of Watersheds, 30/09-03/10/**1997**, Menemen-TURKEY
  3. Irrigation Management Institutions, 02-04/11/**1998**, Menemen-TURKEY
  4. Gediz Basin Modelling Project carried out by IWMI, 01-05/02/**1999**, Menemen-TURKEY
  5. Agricultural Engineers Basic Training, 21-25/06/**1999**, Menemen-TURKEY
  6. Management of Drainage and Irrigation, 24/08-04/09/**1999**, Menemen-TURKEY
  7. Yield Response to Climate and Management of Cotton Maize and Wheat carried out by Israil Scientist, 03-07/01/**2000**, Menemen-TURKEY
  8. Fertigation Projects Workshop, 04-06/04/**2000**, Eskişehir-TURKEY
  9. Advanced irrigation course (First period), 22/05-09/06/**2000**, Menemen- TURKEY
  10. Drainage and irrigation course (II. Period), 19-30/06/**2000**, Konya- TURKEY
  11. Advanced Irrigation Course (III. Period), 04-08/09/**2000**, Erzurum- TURKEY
  12. Basic and Advanced Statistics course, 15-30/12/**2001**, Eskişehir- TURKEY
  13. Sprinkler Irrigation Projects, 24-26/05/2002, Afyon-TURKEY
  14. Hydrogeology and Agro-Hydrochemistry With in the Eastern Mediterranean Semi-Arid Domain by Israel Scientist, 04/11/**2002**, ISRAEL





**DEMET UYGAN**  
Agricultural Engineer, MSc



15. Management of Water Resources and Improvement of Water Use Efficiency in the Dry Areas, International Center for Agricultural Research in the Dry Areas(ICARDA), 03/05-10/06/2004, Halep-SURİYE
16. Hardware Training, 21-25/06/2004, Menemen-TÜRKİYE
17. Software Training, 23-27/08/2004, Menemen-TÜRKİYE
18. Agricultural Research and Testing Methods, 23-27/01/2006, Samsun- TÜRKİYE
19. Remote Sensing Applications in Agriculture, 11-12/05/2006, Çanakkale-TÜRKİYE
20. Research Management, 14-15/11/2006, Ankara-TÜRKİYE
21. "The Use of Nuclear and Related Techniques in Soil- Plant-Water-Nutrient Relations", 27-30/11/2006, Ankara-TÜRKİYE
22. Foreign Language Education, 03/12/2007- 07/03/2008, Ankara-TÜRKİYE
23. TAIEX Regional Education Meeting, 17-18/10/ 2008, Eskişehir-TÜRKİYE
24. Statistics 1, 17-21/11/2008, İzmir-TÜRKİYE
25. Climate Change and Desertification Processes Assessment and Monitoring, 07-26/12/2008, Telaviv-İSRAİL
26. TAIEX-Seminar on the Urban Waste Water Treatment Directive-Legislations & Implementations, 06-07/05/2009, Eskişehir-TÜRKİYE
27. EU FP7 Project Practical Training, 19-22/10/2009, Antalya-TÜRKİYE
28. Industrial Radiation Protection (use with neutron dosimeter), 25-29/09/2010, Ankara-TÜRKİYE
29. The fertigation, 08-11/05/2012, Menemen-TÜRKİYE
30. Watershed Protection Action Plan Stakeholder Meeting, 21/06/2013, Sakarya-TÜRKİYE
31. Evapotranspiration Study Guide Update, 11-13/09/2013, Menemen-İzmir-TÜRKİYE
32. The Effective Use of Integrated Water Project Meeting, 19/11/2013, Ankara-TÜRKİYE
33. Supplemental Irrigation, ICARDA,30.3-06.04/2014, Amman-ÜRDÜN
34. Evapotranspiration Study Guide Update, 11-13/06/2014, Ilgaz-Kastamonu-TÜRKİYE
35. Preparation of Akarcay Basin Drought Management Plan Meeting, 18/09/2014, Afyonkarahisar-TURKEY, 18/09/2014, Afyonkarahisar-TÜRKİYE
36. Improving Efficiency of Water Use in Agriculture, 27-29/10/2014, Şanlıurfa-TÜRKİYE
37. Use of Treated Wastewater Irrigation Project Meeting in Turkey, 25-26/11/2014, Afyonkarahisar-TÜRKİYE
38. Improving Efficiency of Water Use in Agriculture, 06-08/11/2015, Ankara-TÜRKİYE
39. Safflower Education, 13/11/2015, Ticaret Borsası Toplantı Salonu, Eskişehir-TÜRKİYE
40. Irrigation Techniques of Irrigated Crops in Turkey,, 23/05/2016, Ankara-TÜRKİYE
41. Training on Evaluation of Water Use Efficiency in Irrigated Areas, International Agricultural Research and Training Center/Menemen, 6-10 Mart 2017, İZMİR
42. Training on the Use, Installation and Calibration of Soil Moisture Sensors, International Agricultural Research and Training Center/ Menemen, 11 Mart 2017, İZMİR.



**DEMET UYGAN**  
Agricultural Engineer, MSc



43. Subsurface drip irrigation and the use of sensors in agriculture), 27.03.-01.04.2017, Lizbon-Porto/ PORTEKİZ
44. First Aid Training, 17-18/05/2017, Eskişehir, TÜRKİYE
45. Irrigation Time Planning, International Agricultural Research and Training Center, 9-14/10/2017, İZMİR
46. Determination of Technical Performance of Drip Irrigation Systems Used in Turkey and Impact Analysis of Drip Irrigation Supports Country Project Working Group Meeting, 20/03/2018, Ankara-TÜRKİYE.
47. Soil Moisture Measurement and Evaluation Study Meeting in Subsurface Drip Irrigation Research, 09-11/04/2018, Iğaz/KASTAMONU
48. Radiation Protection Course in Industrial Applications (EURK), Turkish Atomic Energy Agency (TAEK), Department of Education and Broadcasting, TAEK Beşevler Campus, 10-13/09/2018, ANKARA
49. Research and Publication Ethics, Atatürk Horticultural Central Research Inst., online, 27/04/2020, YALOVA
50. Possible Changes and Suggestions in Eskişehir Agriculture After Pandemic, Commodity Exchange, 26/10/2020, Online, ESKİŞEHİR
51. EU Rural Development Policy Meeting, Commodity Exchange, 30/10/2020, Online, ESKİŞEHİR
52. First Aid Renewal Training (FACE TO FACE TRAINING), GKTAEM Meeting Hall,, 07/12/2020, ESKİŞEHİR
53. UAV Applications in Agriculture, Online Education, Akdeniz University, Faculty of Agriculture, Department of Agricultural Machinery and Technologies Engineering, 31/12/2020, ANTALYA
54. Cost-Benefit Analysis for Treated Wastewater and Drainage Water Reuse Projects for Agricultural Development, FAO Etkinliği, 24/02/2021, Online Toplantı.
55. 1001-Scientific and Technological Research Projects Support Program, TUBITAK Training, 8/03/2021, Online
56. 1001 Project Writing Training, TÜBİTAK Training, TÜBİTAK 1001 Scientific and Technological Research Projects Support Program Experience Sharing Event, hosted by OMÜ-TTO UIL Specialist Şafak Esra Aslan, OMU Faculty of Agriculture Lecturer. Member Prof. Dr. Eyüp Selim Köksal, 15.03.2021, Online.
57. Horizon European Food, Information Day "Bioeconomics, Natural Resources, Agriculture and Environment (Cluster 6), 08.04.2021, TÜBİTAK, Çınar Adalı ÖNER, Online.
58. Circular Economy Approach in Industries: Water and Valuable Material Recovery, 21/04/ 2021, TÜBİTAK MAM ÇTÜE Training, Online.
59. TAGEM-SuET Irrigation Management and Plant Water Consumption System Training Program, 22 September 2021, TAGEM, 18 MART University Zir. fac. Collaboration, Online.
60. Düzce Ü. Zir. Fac. Biosystems Eng. Dept., 2021 Fall Semester "Basic Principles of Irrigation Systems" Course,
  - **Kongre, Sempozyum vs.**
    1. III. National Symposium on Field Crops, 15-20/11/1999, Adana-TÜRKİYE
    2. National Boron Symposium, 20-22/06/2002, Balıkesir-TÜRKİYE
    3. IV. National Vegetable Farming Symposium, 17-20/ 09/2002, Bursa-TÜRKİYE
    4. II. National Irrigation Congress, 16-19/10/2003, Kuşadası-TÜRKİYE
    5. II. National Boron Symposium, 23-25/09/2004, Eskişehir-TÜRKİYE



**DEMET UYGAN**  
Agricultural Engineer, MSc



6. I. National Symposium on Groundwater, 23-24/12/**2004**, Konya- TÜRKİYE
7. International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, 04-08/04/**2006**, Adana-TURKEY
8. International Conference on Environment: Survival and Sustainability, 19-24/02/**2007**, Lefkoşa-K.K.T.C.
9. VII. National Ecology and Environment Congress, 10-13/09/**2007**, Malatya-TÜRKİYE
10. Energy Water and Health (SES08), 20-23/10/**2008**, Aksaray-TÜRKİYE
11. 19. National Biology Congress, 23-27/06/**2008**, Trabzon-TÜRKİYE
12. VII Vegetable Farming Symposium, 08-10/10/**2008**, Yalova-TÜRKİYE
13. VIII. National Ecology and Environment Congress, 20-23/10/**2008**, Lefkoşa-K.K.T.C.
14. International Conference on Sustainable Development in Drylands: Drylands, Deserts and Desertification, 14-17/12/**2008**, Sede Boqer-İSRAİL
15. III. National Snow Congress, 17-19/02/**2009**, Erzurum-TÜRKİYE
16. I. National Drought and Desertification Symposium, 16-18/06/**2009**, Konya-TÜRKİYE
17. IX. National Economy and Environment Conference, 07-10/10/**2009**, Nevşehir-TÜRKİYE
18. IV. International Boron Symposium, 15-17/10/**2009**, Eskişehir-TÜRKİYE
19. 6th Chemical Engineering Conference For Collaborative Research In Eastern Mediterranean Countries EMCC-6- Chemical Engineering Solutions to Critical Problems of the 21st Century, 11-12/03/**2010**, Antalya-TÜRKİYE
20. International Soil Science Congress on -Management of Natural Resources to Sustain Soil Health and Quality, 26-28/05/**2010**, Samsun-TÜRKİYE
21. I. National Soil and Water Resources Congress, 01-04/06/**2010**, Eskişehir-TÜRKİYE
22. International Participation, First Inter. Congress and Exhibition of Agric., 27-30/04/**2011**, Eskişehir- TÜRKİYE
23. II. National Soil and Water Resources Congress, 22-25/11/**2011**, Ankara-TÜRKİYE
24. II. National Irrigation and Agricultural Structures Symposium, 24-25/05/**2012**, İzmir-TÜRKİYE
25. V. Ornamental Plants Congress, 06-09/05/**2013**, Yalova-TÜRKİYE
26. 12. National Culture-Technical Symposium.. 21-23/05/**2014**, Tekirdağ-TÜRKİYE
27. 2. International Participation Drought and Desertification Symposium, 16-17/09/**2014**, Konya-TÜRKİYE
28. 4. International Participation Soil and Water Resources Congress, 01-04/09/**2015**, Kahramanmaraş-TÜRKİYE
29. 2 nd International Symposium For Agriculture And Food- ISAF 07-09/10/**2015**, Ohrid-MAKEDONYA
30. The United Nations Convention to Combat Desertification 12th Conference of the Parties (UNCCDCOP 12)), 12-23/10/**2015**, Ankara-TÜRKİYE
31. V. Soil and Water Resources Congress with International Participation,,12-15/09/**2017**, Kırklareli-TÜRKİYE
32. 1st International Agricultural Structures and Irrigation Congress,, 26-28/09/**2018**, Antalya-TÜRKİYE



**DEMET UYGAN**  
**Agricultural Engineer, MSc**



33. 5. International Symposium on Dam Safety), Org. date: 27 October/ 01 November 2018 participation date: 26-28 October **2018**, İstanbul.
34. 6th Congress of Soil and Water Resources with International Participation, UTAEM, 12-14 November **2019**, Menemen-İZMİR

▪ **Diğer Faaliyetler**

1. Turkish-Israel Joint Research Project seminar on Wheat-Workshop, 04-08/06/**2001**, Menemen- TÜRKİYE
2. II. International Workshop on Agricultural Drought Monitoring, Assessing and Damages Mitigation,16-23/06/**2008**, İzmir-TÜRKİYE
3. 5th World Water Forum,, 16-22/03/**2009**, İstanbul TÜRKİYE
4. Ege Water Form, 12-14/11/**2009**, İzmir-TÜRKİYE
5. Workshop on Current Approaches in Water Manag. from Basin to Field, 01-05/07/**2013**, Samsun-TÜRKİYE
6. Soil and Water Management Panel, 25/06/**2014**, Ankara-TÜRKİYE
7. Efficiency of Water Use and Promotion of Agricultural Products - Alternative Products and Irrigation Systems, 27/08/**2014**, Konya-TÜRKİYE
8. Subsurface drip irrigation systems technical trip, 2-6/04/**2016**, Telaviv-İSRAİL
9. Zinc Iodine Day, OGU-CONFERENCE HALL, 20 April **2017**, ESKİŞEHİR
10. International Training Workshop on Drip Irrigation and Fertigation, Dicle Üniversitesi, 25-29 September **2017**, DİYARBAKIR
11. Evaluation of the Relationship between Water, Energy and Food in Sakarya Basin, Tübitak Project Workshop, METU-Faculty of Engineering Environmental Engineering, 03 September **2019**, ANKARA
12. "Taste from the Past" Project Technical Trip, 28-29 November 2019, ANTALYA, as part of the 12. Women Farmers Meet with Agricultural Innovations Programme
13. Desertification and drought day and soil week program, Desertification and Drought Day and Soil Week Program, TC. Ministry of Agriculture and Forestry, 17 June 2020, Online, ANKARA
14. Workshop on Preventing Water Pollution from Plant Protection Products, Ankara Central Plant Protection Research Institute, 25 November **2020**, Online.
15. International Panel on Global and Regional Discussion on Agricultural Land Conservation and Management, Ukraine National Univ.of Life and Envir. Sciences, 27 November **2020**, Online, UKRAYNA
16. Entrepreneurship in the Digitalizing World, Digital Agriculture, Artificial Intelligence Technologies and R&D Centers panel, Samsun Technopark and R&D Meetings, 2, 24-25 December **2020**, Online, SAMSUN
17. Global Soil Threats Panel, Soil Science Association of Turkey, 27.01.**2021**, Online.
18. EJP SOIL Program 1st Science Days Event, 12.03.**2021**, Online.
19. TÜBİTAK 1001 Scientific and Technological Research Projects Support Program, Experience Sharing Event, Prof. Dr. Eyup Selim Koksak, 15.03.**2021**, Online.
20. Pollution Panel, Turkish Soil Science Association, 17.03.**2021**, Online.
21. World Water Day Event, Düzce University Faculty of Agriculture Department of Plant Protection training guest, 22.03.**2021** "The Importance of Water and Modern Irrigation Methods" Presented eventonline.