



TAGEM
R&D AND INNOVATION

INTERNATIONAL AGRICULTURAL RESEARCH
AND TRAINING CENTRE / IZMİR

ŞENER ÖZÇELİK MSc. Agricultural Engineer

EDUCATION

- PhD**
2019-Ongoing
Ege University
Department of Farm Structures and Irrigation
- MSc**
2011-2019
Ege University
Department of Farm Structures and Irrigation
- Bachelor's Degree**
1998-2004
Ege University
Faculty of Agriculture
Department of Farm Structures and Irrigation

LANGUAGE English YÖKDİL 65 / YDS 50

CAREER

- 2011-... Researcher, Agricultural Irrigation and Land Reclamation Department, International Agricultural Research and Training Centre
- 2009-2011 Researcher, Department of Irrigation Management, Menemen Soil and Water Resources Research Institute
- 2005-2009 District Manager, Directorate of District Agriculture and Forestry, Çıldır-ARDAHAN
- 2000-2005 Technician, İzmir Food Control Laboratory Directorate

ABOUT ME

Research areas: irrigation management, crop modelling, drip irrigation and agricultural drought.

CONTACT

Camikebir Mah. Maltepe Yolu Sok.
No:27/1 Menemen/İZMİR
35660 TÜRKİYE

sener.ozcelik@tarimorman.gov.tr
senerozcelik35@hotmail.com

+90 232 831 10 52 (Dahili-103)



ŞENER ÖZÇELİK, MSc. Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Investigation of Usage Possibilities of Drip Irrigation Systems in Rice in Menemen Plain (GDARP, Researcher)
2. Production of Liquid Chemical Fertilizers Suitable for Plants Grown in Water and Dry Conditions and Comparison of Their Activity with Traditional Solid Chemical Fertilizers and Development of Machines Suitable for Liquid Fertilizer Use (GDARP R&D, Researcher)
3. Research Study on Competition for Cherry Production and Marketing of İzmir, Manisa, Denizli ve Kütahya Provinces (GDARP, Researcher)
4. Impact Assessment Analysis of Drip Irrigation Supports (Denizli-İzmir-Manisa Provinces Sample) (GDARP, Researcher)
5. Determination of Drip Irrigation Systems Performance Established in Manisa Region, (GDARP, Project Leader)
6. Farming Tools for External Nutrient Inputs and Water Management (FATIMA) (AB Horizon 2020 Prima Project, Researcher)
7. Creating Irrigation Program for Processing Tomatoes Irrigated by Subsurface Drip Irrigation in Menemen Conditions (GDARP, Researcher)
8. Determination of the Effects of Different Tillage Methods on CO₂ Emission and Physical, Chemical and Biologic Properties of the Soil (GDARP, Researcher)
9. Determination of Evapotranspiration of Alfa alfa Irrigated by Subsurface Drip Irrigation (GDARP, Researcher)
10. Investigation of Effects of Different Irrigation Schedules on Yield and Some Plant Growth Parameters of Second Crop Maize and Test of Ceres-Maize Crop Growth Simulation Model on Menemen Plane (GDARP, Project Leader)
11. The Determination of Treated Waste Water's Usability for Pepper and Lettuce Irrigate by Different Irrigation Methods (GDARP, Researcher)
12. Comparison of Alternative Rotation Systems for Organic Animal Feed Production Under Aegean Region Conditions (GDARP, Researcher)



ŞENER ÖZÇELİK, MSc. Agricultural Engineer



▪ **PROJECTS**

▪ **Ongoing Projects**

1. Development of Digital Irrigation Management System for Maize in Aegean Region (GDARP, Project Leader)
2. Development of Digital Irrigation Management System for Wheat in Aegean Region (GDARP, Researcher)
3. Learning and action alliances for Nexus environments in an uncertain future (**LENSES**) (AB Horizon 2020 PRIMA Project, Researcher)
4. Soil organic carbon sequestration potential of agricultural soils in Europe (**CarboSeq**) (AB Horizon 2020 EJP SOIL Program, Researcher)
5. FAO National Soil Salinity Mapping Project (FAO, Researcher)
6. Determining Irrigation Water Requirements with Optimum Plant Pattern in West Mediterranean Basin and Forming Strategic / Political Decision Support Tools (**BAKAROL**), (GDARP, Researcher)
7. Determination of Water Quality of Eşen Stream in the Western Mediterranean Basin and its Evaluation in terms of Agricultural Irrigation (**ESENSU**), (TAGEM, Proje Yürütücüsü)
8. Determination of the Effects of Different Tillage Methods on Yield and Physical, Chemical and Biologic Properties of the Soil (GDARP, Researcher)
9. Effects of Differently Treated Oil mill Waste Water on Some Soil Properties and Corn Yield (GDARP, Researcher)
10. Determination of Effects on Yield, Quality and Water Savings in Sunflower with Traditional and Capillary Motion Based Real-Time Irrigation Management Technology (KAP, Researcher)
11. Determination of Some Environmental Effects of Different Tillage-Sowing Methods and Fertilizer Restriction Doses in Salt-Alkaline Agricultural Fields (GDARP, Researcher)



ŞENER ÖZÇELİK, MSc.

Agricultural Engineer



▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

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

- ÇELİK, Z., **ÖZÇELİK, Ş.**, ALBAYRAM DOĞAN, Z., AYDIN, B., 2021, Benefit Status and Attitude of Producers from Drip Irrigation Grant; İzmir, Manisa, Denizli Province Examples, XIV. National Agricultural Economics Congress with International Participation, Aydın Adnan Menderes University, 15-17 September 2021, Aydın.
- GUNDUZ, M., TARI AKAP, P. KORKMAZ, N., ARAS,S. ve **ÖZÇELİK,Ş.**, 2021, Some Chemical Parameters of Agricultural Fields in The Menemen Left Bank Irrigation, III. Balkan Agriculture Congress. 29 August-1 September 2021, Edirne.
- GUNDUZ, M., TARI AKAP, P. KORKMAZ, N., **ÖZÇELİK,Ş.**, YÜZBAŞI,Ş., 2021, Performed irrigation with Different Sources effects on the soil chemical properties, III. Balkan Agriculture Congress. 29 August-1 September 2021, Edirne.
- **ÖZÇELİK, Ş.**, ARAS, S., YÜZBAŞI, Ş., AKKUZU, E., MENGÜ, G.P., (2019), The Effects of Different Irrigation Treatments on Chlorophyll Content and Leaf Area Index of Second Crop Maize, 6th Congress on Soil & Water Resources with International Participation, 12-14 November 2019, Abstract Book, P:112 (Oral Presentation)
- **ÖZÇELİK, Ş.**, MENGÜ, G.P., AKKUZU, E., (2019), Drought Analysis with Standard Precipitation Evapotranspiration Index (SPEI) in Büyük Menderes Basin, 6th Congress on Soil & Water Resources with International Participation, 12-14 November 2019, Abstract Book, P:149 (Oral Presentation)
- GUNACTI, M.C., GUL, A., CETINKAYA C.P., KAHRAMAN, D., **ÖZÇELİK, S.**, (2019), Crop Water Requirement Prediction and Observation of Potential Productivity on the scope of a Mediterranean Agricultural Plot, 11th World Congress on Water Resources and Environment (EWRA 2019), Managing Water Resources for a Sustainable Future, Madrid, SPAIN, 25-29 June 2019 (Oral Presentation)
- GÜNDÜZ, M., TARI AKAP, P., KORKMAZ, N., **ÖZÇELİK, Ş.**, AŞIK, Ş., (2019), Contribution of High Water Table to Cotton Water Consumption in the Inner Parts of Menemen Plain, 6th Congress on Soil & Water Resources with International Participation, 12-14 November 2019, Abstract Book, P:121 (Oral Presentation)
- ARAS, S., YÜZBAŞI, Ş., **ÖZÇELİK, Ş.**, CANDAN, N., ALKAN, Ü., GÜNDÜZ, M., TARI AKAP, P., ŞEN, F., (2019), Effect of Different Irrigation Levels Effect Applied By Subsurface Drip Irrigation on Vitamin C Content of Tomato, 6th Congress on Soil & Water Resources with International Participation, 12-14 November 2019, Abstract Book, P:212, (Poster Presentation)
- AKAP, P.T., GÜNDÜZ, M., AŞIK, Ş., **ÖZÇELİK, Ş.**, (2018), Pathogenic contamination on Lettuce and Soil Irrigated by Treated Domestic Waste water, 29th Scientific-Expert Conference of Agriculture and Food Industry, 26-28 September 2018, Çeşme, İzmir (Oral Presentation)



ŞENER ÖZÇELİK, MSc. Agricultural Engineer



- AKAP, P.T., GÜNDÜZ, M., AŞIK, Ş., **ÖZÇELİK, Ş.**, (2017), Patogenic Contamination On Lettuce Irrigated By Treated Domestic Waste Water, 5th Congress on Soil & Water Resources with International Participation, Kırklareli. (Oral Presentation)
- ÖZAYDIN, K.A., YILDIRIM, Y.E.,...,**ÖZÇELİK, Ş.**,..., ÖZER, N., 2014, Database Design for Plant Water Consumption Studies, II. International Drought and Desertification Symposium, 16 - 18 September 2014, Konya (Oral Presentation)

▪ **PUBLICATIONS**

▪ **NATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in National Journals**

- TARI AKAP, P., GÜNDÜZ, M., AŞIK, Ş., **ÖZÇELİK, Ş.**, (2019), Patogenic Contamination On Lettuce And Soil Irrigated By Treated Domestic Waste Water, Soil Water Journal, Special Issue 2019, P:46-50 (Research Article)

▪ **National Papers, Seminars, etc.**

- TOPDEMİR, T., AYKAS, E., **ÖZÇELİK, Ş.**, USLU, İ., ŞEN, S., RAHMANOĞLU, N., GÖÇMEZ, Ş., (2019), Determination of CO2 Emissions After Tillage in Different Tillage Methods, 32th National Agricultural Mechanization and Energy Congress, 04-06 September 2019, Çanakkale, Abstract Book, P:14-15 (Oral Presentation)
- **ÖZÇELİK, Ş.**, AKKUZU, E., MENGÜ, G.P. (2012) Drought Analysis of Gediz Basin by Standardized Precipitation Evapotranspiration Index (**SPEI**), II. National Irrigation and Agricultural Structures Symposium, 24-25 May 2012, Bornova-İzmir, Volume II; P:1163 (Poster Presentation)
- **ÖZÇELİK, Ş.**, (2021) Crop Modelling Application on Irrigation Management; Maize Plant Example, Seminar, Ege University, December 2021, Bornova-İzmir.
- **ÖZÇELİK, Ş.**, (2021), Determination of Drip Irrigation Systems Technical Performance Established in Türkiye, GDARP E-Bulletin, 2021/7, s. 8-10



ŞENER ÖZÇELİK, MSc. Agricultural Engineer



▪ **OTHER PUBLICATIONS**

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

1. **ÖZÇELİK, Ş.**, (2019), Drought Analysis with Standard Precipitation Evapotranspiration Index in the Aegean Region, Master's Thesis, Ege University, Graduate School of Natural and Applied Science, 2019, Bornova-İzmir.
2. **ÖZÇELİK, Ş.**, DİNÇ, N., KANBER, R., KÜÇÜKCOŞKUN, Ş., BOZKURT ÇOLAK, Y., ANĞIN, N., ÜN, A., BEREKATOĞLU, K., UYGAN, D., CANTURK, A., ÖZER, S., AYDIN, O., GÜLTEKİN, R., (2021), Determination of Drip Irrigation Systems Technical Performance Established in Türkiye, National Project Results Report, GDARP, TAGEM/TSKAD/G/17/A9/P3/352, Ankara.
3. **ÖZÇELİK, Ş.**, YÜZBAŞI, Ş., ARAS, S., ŞEN, S., TARI AKAP, P., ŞEN, O.F., PAMUK MENGÜ, P., AKKUZU, E., (2017), Investigation of Effects of Different Irrigation Schedules on Yield and Some Plant Growth Parameters of Second Crop Maize and Test of Ceres-Maize Crop Growth Simulation Model on Menemen Plane, Project Results Report, IARTC, TAGEM/TSKAD/13/A13/P02/1, Menemen-İzmir.

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

1. Membership of UCTEA Chamber of Agricultural Engineers
2. GSS-Soil Mapping Training, FAO, 02-06 March 2020, Menemen-İzmir
3. GSP-Digital Soil Mapping Training, FAO, 21-25 August 2017, Menemen-İzmir
4. SPIDER Web-GIS Training, University of Castile-La Mancha, 19-21 December 2016, Albacete-Spain
5. Aquacrop Training, FAO, 28 September-02 October 2015, Menemen-İzmir
6. ArcGIS 3D Analyst and Spatial Analyst Training, ESRI, 06-10 December 2010, Menemen-İzmir
7. ArcGIS I and II Training, ESRI, 18-22 October 2010, Menemen-İzmir.