

# Prof. AHMET ÖZTÜRK

## Personal Information

Office Phone: [+90 312 596 1220](tel:+903125961220)

Fax Phone: [+90 312 316 7467](tel:+903123167467)

Email: [aozturk@ankara.edu.tr](mailto:aozturk@ankara.edu.tr)

Web: <https://avesis.ankara.edu.tr/aozturk>

## International Researcher IDs

ScholarID: zOAldkkAAAAJ

ORCID: 0000-0003-0201-1726

ScopusID: 7103003190

Yoksis Researcher ID: 5652

## Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), Turkey 1989 - 1994

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), Turkey 1986 - 1989

Undergraduate, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, Turkey 1982 - 1986

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Tabansuyu derinliği ve sulama suyu kalitesinin biber verimine etkisi, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), 1994

Postgraduate, A.Ü. Ziraat Fakültesi Araştırma ve Uygulama Çiftliği topraklarının tuzlulaşma süresi ve yıkama ihtiyacının saptanması, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), 1989

## Research Areas

Agricultural Sciences

## Academic Titles / Tasks

Professor, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 2005 - Continues

Associate Professor, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 1997 - 2005

Research Assistant, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 1986 - 1997

## Courses

TARIMDA ATIKSU VE YÖNETİMİ, Undergraduate, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

MESLEKİ UYGULAMA, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Uzmanlık Alan Dersi, Doctorate, 2016 - 2017

Drenaj Sistemlerinin Tasarımı, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Tarımsal Yapılar ve Sulama, Undergraduate, 2015 - 2016, 2014 - 2015

SU KAYNAKLARININ KİRLENMESİ, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

METEOROLOJİ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Drenaj Mühendisliğinde Araştırma Teknikleri, Postgraduate, 2015 - 2016, 2014 - 2015

Ölçme Bilgisi, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Yüzey Sulama Hidroliği, Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009

## Advising Theses

ÖZTÜRK A., The effect of the irrigation water quality and water table depth on bean (*phaseolus vulgaris* L.) yield, Doctorate, M.SEVBA(Student), 2020

ÖZTÜRK A., Farklı prolin içeriğine sahip tuzlu suların mısır bitkisinin çimlenme ve çıkışına etkisi, Postgraduate, C.AYVAZ(Student), 2014

ÖZTÜRK A., Karaman-Ayrancı tuzlu alkali topraklarının mevcut durumunun ve yıkama etkinliğinin belirlenmesi, Doctorate, İ.TAŞ(Student), 2009

ÖZTÜRK A., Asartepe sulama birliği alanında tuzluluk durumunun belirlenmesi, Postgraduate, N.GÜNDÜZ(Student), 2004

ÖZTÜRK A., Drenaj parametrelerindeki değişimin proje maliyetine etkisi, Postgraduate, K.BULUT(Student), 2001

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, May, 2023

Doctorate, Doctorate, Ankara Üniversitesi, April, 2023

Associate Professor Exam, Associate Professor Exam, Akdeniz Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, October, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, August, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, February, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, February, 2022

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Quantitative and Qualitative Assessment of Turkey's Water Resources Potential**  
ÖZTÜRK A., ÇOLAK M. S.  
Tarım Bilimleri Dergisi, vol.30, no.1, pp.1-34, 2024 (SCI-Expanded)
- II. **Comparison of the Accuracy of the 7-Item HADS Depression Subscale and 14-Item Total HADS for Screening for Major Depression: A Systematic Review and Individual Participant Data Meta-Analysis**  
Wu Y., Levis B., Daray F. M., Ioannidis J. P. A., Patten S. B., Cuijpers P., Ziegelstein R. C., Gilbody S., Fischer F. H., Fan S., et al.

- PSYCHOLOGICAL ASSESSMENT, vol.35, no.2, pp.95-114, 2023 (SSCI)
- III. **Surface water quality classification using data mining approaches: Irrigation along the Aladag River**  
Sattari M. T., Feizi H., ÇOLAK M. S., ÖZTÜRK A., Ozturk F., APAYDIN H.  
IRRIGATION AND DRAINAGE, vol.70, pp.1227-1246, 2021 (SCI-Expanded)
- IV. **Probability of Major Depression Classification Based on the SCID, CIDI, and MINI Diagnostic Interviews: A Synthesis of Three Individual Participant Data Meta-Analyses**  
Wu Y., Levis B., Ioannidis J. P., Benedetti A., Thombs B. D., Sun Y., He C., Krishnan A., Bhandari P. M., Neupane D., et al.  
PSYCHOTHERAPY AND PSYCHOSOMATICS, vol.90, no.1, pp.28-40, 2020 (SCI-Expanded)
- V. **Estimation of sodium adsorption ratio in a river with kernel-based and decision-tree models**  
Sattari M. T., Feizi H., ÇOLAK M. S., ÖZTÜRK A., APAYDIN H., Ozturk F.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.9, 2020 (SCI-Expanded)
- VI. **Drainage Water Salt Load Variations Related to the Salinity and Leaching Ratios of Irrigation Water**  
YURTSEVEN E., ÇOLAK M. S., ÖZTÜRK A., ÖZTÜRK H. S.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BILIMLERI DERGISI, vol.24, no.3, pp.394-402, 2018 (SCI-Expanded)
- VII. **The temporal transferability of calibrated parameters of a hydrological model**  
APAYDIN H., Anli A., ÖZTÜRK A.  
ECOLOGICAL MODELLING, vol.195, no.3-4, pp.307-317, 2006 (SCI-Expanded)
- VIII. **Effects of salt stress and water deficit on plant growth and essential oil content of lemon balm (*Melissa officinalis* L.)**  
ÖZTÜRK A., ÜNLÜKARA A., Ipek A., Gurbuz B.  
PAKISTAN JOURNAL OF BOTANY, vol.36, no.4, pp.787-792, 2004 (SCI-Expanded)
- IX. **Effects of different soil salinity levels on germination and seedling growth of safflower (*Carthamus tinctorius* L.) Aspir'de (*Carthamus tinctorius* L.) Çimlenme ve Fide Gelişimi Üzerine Topraktaki Tuz Seviyelerinin Etkileri**  
Kaya M. D., Ipek A., ÖZTÜRK A.  
Turkish Journal of Agriculture and Forestry, vol.27, no.4, pp.221-227, 2003 (SCI-Expanded)
- X. **Corn grain yield response to adequate and deficit irrigation**  
Yildirim O., Kodal S., Selenay F., Ersoy Yildirim Y., ÖZTÜRK A.  
Turkish Journal of Agriculture and Forestry, vol.20, no.4, pp.283-288, 1996 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Sulama Zamanı Planlanmasında Kullanılan Yeni Teknolojiler**  
ÖZTÜRK A., ÇOLAK M. S.  
Tarım Türk Gübre Ve Sulama Dergisi, no.57, pp.16-21, 2016 (Non Peer-Reviewed Journal)
- II. **Tuzlu kosullarda havuç (*Daucus carota* L.) verim ve kalitesi**  
ÜNLÜKARA A., CEMEK B., KESMEZ D., ÖZTÜRK A.  
Anadolu Tarım Bilimleri Dergisi, vol.26, no.1, pp.51-56, 2011 (Peer-Reviewed Journal)
- III. **The autologous hematopoietic stem cell transplantation in adult patients with lymphoma: Turkish Bone Marrow Transplantation Registry results**  
Arpacı F., Ataergin S., GÜRMAN G., Çağırğan S., Arat M., Özet A., Ayli M., ÖZCAN M., ÜNAL A., Soysal T., et al.  
Turkish Journal of Cancer, vol.37, no.2, pp.45-53, 2007 (Scopus)
- IV. **Turp *Raphanus sativus* L Bitkisinde Sulama Suyu Tuzluluğu ve Ca Mg Oranı Uygulamaları II Bitki Biokütle ve Mineral Madde İçeriğine Etkisi**  
YURTSEVEN E., KÜTÜK A. C., DEMİR K., ÖZTÜRK A., PARLAK M.  
Ankara Üniversitesi Ziraat Fakültesi Tarım Bilimleri Dergisi, vol.6, no.1, pp.92-98, 2000 (Peer-Reviewed Journal)
- V. **Su Kalitesinin İzleme ve Değerlendirilmesi**  
Kendirli B., Öztürk A.

## Books & Book Chapters

- I. **BAZI TARLA BİTKİLERİ İÇİN, SU KALİTESİ-VERİM İLİŞKİLERİ**  
ÇOLAK M. S., ÖZTÜRK A.  
in: Ziraat, Orman ve Su Ürünleri Alanlarına Güncel Bakış, Prof. Dr. Hatice ÖĞÜTCÜ, Öğr. Gör. Muhammed Yunus Emre KARAMAN, Editor, Platanus Publishing, Ankara, pp.8-30, 2023
- II. **SULAMA SUYU ÜCRETLERİNDE SULAMA SUYU KALİTESİ FAYDALANMA ORANLARI.**  
ÖZTÜRK A., ÇOLAK M. S.  
in: KÜÇÜK EKOLOJİK DEĞİŞİMLERİN BÜYÜK TARIMSAL SORUNLARA ETKİSİ, NİZAMETTİN TURAN, Editor, İksad Yayınevi, pp.195-213, 2022
- III. **Bilgisayar Uygulamaları**  
ÖZTÜRK A., APAYDIN H.  
Ankara Üniversitesi, Ankara, 2003
- IV. **Uygulamalarla Excel 97**  
APAYDIN H., ÖZTÜRK A.  
Pusula, 1999
- V. **Excel 97**  
APAYDIN H., ÖZTÜRK A.  
Pusula, 1999
- VI. **Kim korkar Excel'den**  
APAYDIN H., ÖZTÜRK A.  
Pusula, 1997

## Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF SOIL SALT LOAD FOR SOME HORTICULTURAL PLANTS GROWN UNDER DIFFERENT WATER QUALITY AND DIFFERENT IRRIGATION METHODS CONDITIONS IN ANKARA**  
ÇOLAK M. S., ÖZTÜRK A.  
ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-IX, Ankara, Turkey, 26 December 2023
- II. **METHODS USED IN DETERMINING AND MONITORING SALINIZED AGRICULTURAL AREAS**  
Öztürk A., Çolak M. S.  
8TH INTERNATIONAL BILTEK CONGRESS ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES October 24-26, 2023 Paris, Paris, France, 24 - 26 October 2023, pp.1-10
- III. **SALT ACCUMULATION IN THE SOIL IN TERMS OF IRRIGATION METHODS**  
Öztürk A., Çolak M. S.  
8TH INTERNATIONAL BILTEK CONGRESS ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES October 24-26, 2023 Paris, Paris, France, 24 - 26 October 2023, pp.11-25
- IV. **THE EFFECT OF IRRIGATION WATER QUALITY ON THE DEVELOPMENT OF ORNAMENTAL PLANTS**  
Çolak M. S., Öztürk A.  
6. INTERNATIONAL PALANDOKEN SCIENTIFIC STUDIES CONGRESS 24-25 JUNE 2023 ERZURUM / TURKIYE, Erzurum, Turkey, 24 - 25 June 2023, pp.881-888
- V. **Using Drainage Water In Agriculture**  
ÖZTÜRK A., ÇOLAK M. S.  
14th International Conference On Mathematics, Engineering, Natural And Medical Sciences., Paris, France, 6 - 07 July 2022, vol.1, pp.247-253
- VI. **CARBON FOOTPRINT IN AGRICULTURE**  
POLAT H. E., ÇOLAK M. S., AVCI S., ÖZTÜRK A.

Hodja Akhmet Yassawı 6 Th International Conference On Scientific Research, Lankaran, Azerbaijan, 13 - 15 May 2022, vol.1, pp.665-670

**VII. SALINITY MANAGEMENT AND LEACHING PRACTICES.**

POLAT H. E., AVCI S., ÇOLAK M. S., ÖZTÜRK A.

Hodja Akhmet Yassawı 6 Th International Conference On Scientific Research, Lankaran, Azerbaijan, 13 - 15 May 2022, vol.1, pp.659-664

**VIII. Unmanned Aerial Vehicles And Their Place In Agriculture.**

ÇOLAK M. S., ÖZTÜRK A.

International Scientific Research Congress Dedicated To The 30th Anniversary Of Baku Eurasia University,, Azerbaijan, 27 - 28 April 2022, vol.1, pp.1251-1258

**IX. Determiation Of Proportional Yield And Soil Salt Loads For Some Field Crops Grown In Different Salty Conditions In The Mediterranean Region**

ÇOLAK M. S., ÖZTÜRK A.

International Scientific Research Congress Dedicated To The 30th Anniversary Of Baku Eurasia University, Azerbaijan, 27 - 28 April 2022, vol.1, pp.1241-1250

**X. ARTIFICIAL RAIN ON THE VERGE OF DROUGHT.**

ÖZTÜRK A., ÇOLAK M. S.

Latin American International Conference on Natural and Applied Sciences, November 5-6, 2021, Villahermosa, Mexico, Villahermosa, Mexico, 5 - 06 November 2021, pp.331-339

**XI. Yields Evaluation of some field crops grown in central Anatolian in salty conditions.**

ÇOLAK M. S., ÖZTÜRK A.

Latin American International Conference on Natural and Applied Sciences, November 5-6, 2021, Villahermosa, Mexico, Villahermosa, Mexico, 5 - 06 November 2021, pp.340-349

**XII. The Effect Of Limited Irrigation On The Yields Of Some Field Crops Grown In Central Anatolian Conditions**

ÇOLAK M. S., ÖZTÜRK A.

3. International Baku Scientific Research Congress. October 15-16, 2021/ Baku, Azerbaijan Baku Eurasia University, Baku, Azerbaijan, 15 - 16 October 2021, pp.742-749

**XIII. The Effects Of Different Irrigation Water Quality And Irrigation Methods On Salt Accumulation In The Soil**

ÖZTÜRK A., ÇOLAK M. S.

Middle East International Conference On Contemporary Scientific Studies – Vi. Saint Joseph University Of Beirut, Faculty Of Educational Sciences, On September 20-22, 2021., Beyrut, Lebanon, 20 - 22 September 2021, pp.1-10

**XIV. Drought Monitoring–Evaluation and Forecast**

Akçakoca F., Apaydın H., Öztürk A., Çolak M. S.

EJONS 12th INTERNATIONAL CONGRESS ON MATHEMATIC, ENGINEERING AND NATURAL SCIENCES July 9-11, 2021. Paris, FRANCE., Paris, France, 9 - 11 July 2021, pp.1-18

**XV. Drought Monitoring–Evaulation and Forecast**

APAYDIN H., ÖZTÜRK A., ÇOLAK M. S., Fatma A.

EJONS- 12th International Conference On Mathematics, Engineering, Natural & Medical Sciences, France, 09 July 2021

**XVI. Model Used In Determining The Evapotranspiration: Cropwat Example**

ÖZTÜRK A., ÇOLAK M. S.

Mas 14th International European Conference On Mathematics, Engineering, Natural & Medical Sciences March 26-28, 2021 / Széchenyi István University, Hungary, Hungary, 26 - 28 March 2021, pp.60-67

**XVII. Machines Used In Installation Of Agricultural Drainage Systems**

ÖZTÜRK A., ÇOLAK M. S., APAYDIN H., AKÇAKOCA F.

Mas 14th International European Conference On Mathematics, Engineering, Natural & Medical Sciences March 26-28, 2021 / Széchenyi István University, Hungary, Hungary, 26 - 28 March 2021, pp.50-59

**XVIII. The Impact of Irrigation Practices on Drainage Water Salinity: SoilColumn Experiments with Sandy Soil**

YURTSEVEN E., ÇOLAK M. S., ÖZTÜRK H. S., ÖZTÜRK A.

1st International Congress on Agricultural Structures and Irrigation 26-28 September 2018 Antalya, Antalya, Turkey, 26 - 28 September 2018, pp.82-87

- XIX. **Effects of abiotic stress conditions on plants**  
ÇOLAK M. S., AVCI S., ÖZTÜRK A., YURTSEVEN E.  
1.International GAP Agriculture Livestock Congress, Şanlıurfa, Turkey, 25 - 27 April 2018
- XX. **Yaşamın Kaynağı ve Suyun Dağılımına Global ve Ülkesel Bakış**  
ÇOLAK M. S., ÖZTÜRK A.  
Uluslararası Su ve Çevre Kongresi-Bursa, Bursa, Turkey, 22 - 24 March 2018, pp.2215
- XXI. **Toprak Tuzluluğunun Matematiksel Modellerle İncelenmesi: Hydrus-1D Örneği**  
ÇOLAK M. S., AVCI S., YURTSEVEN E., ÖZTÜRK A.  
Uluslararası Su ve Çevre Kongresi-Bursa, Bursa, Turkey, 22 - 24 March 2018, pp.891-896
- XXII. **Yıkama Hacmi Uygulamasının Toprakta Tuzların Yıkınmasına Olan Etkisi**  
YURTSEVEN E., ÇOLAK M. S., ÖZTÜRK H. S., ÖZTÜRK A., ÖZER T. B., AKKAYA G.  
5.ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.89
- XXIII. **Kısıtlı Sulama ve Yıkama Hacmi Etkisinde Uzun Dönem Toprak Tuzluluğunun Değişimi**  
YURTSEVEN E., ÖZTÜRK H. S., ÇOLAK M. S., ÖZTÜRK A., ÖZER T. B., AKKAYA G.  
5.ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.226
- XXIV. **The effects of irrigation water salinity and leaching fractions on SAR components of soil solution in lysimeter conditions**  
YURTSEVEN E., AVCI S., ÇOLAK M. S., ÖZTÜRK H. S., ÖZTÜRK A., Simunek J.  
VII. International Scientific Agriculture Symposium "Agrosym 2017", Jahorina, Jahorina, Bosnia And Herzegovina, 5 - 08 October 2017, pp.2023-2031
- XXV. **Comparison of measured and simulated EC of soil water in relation with irrigation water salinity and leaching ratio**  
YURTSEVEN E., ÇOLAK M. S., AVCI S., ÖZTÜRK H. S., ÖZTÜRK A., Simunek J.  
VII. International Scientific Agriculture Symposium "Agrosym 2017", Jahorina, Jahorina, Bosnia And Herzegovina, 5 - 08 October 2017, pp.2013-2022
- XXVI. **Utilization of Water Resources and Sustainable Crop Production**  
ÖZTÜRK H. S., YURTSEVEN E., YILDIZ M., ÖZTÜRK A., ÇOLAK M. S.  
10th International Symposium on Agriculture and the Environment, Şikago, United States Of America, 23 - 27 May 2016
- XXVII. **Change in the salinity composition of drainage water in soil columns irrigated by different salinity and varying leaching fractions of water**  
YURTSEVEN E., ÖZTÜRK H. S., ÖZTÜRK A., YILMAZ M. S.  
Soil Science in International years of Soils 2015, Sochi, Russia, 19 - 23 October 2015, pp.436-440
- XXVIII. **The Effect of Saline Irrigation Water on Water Use Efficiency and Mineral Matter Content of Lemon Balm *Melissa Officinalis* L**  
ÜNLÜKARA A., SEMİZ G. D., ÖZTÜRK A.  
18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology", Şanlıurfa, Turkey, 22 - 26 May 2006, vol.2, pp.642-646
- XXIX. **Yüzey akış miktarının bilgisayar ortamında belirlenmesi.**  
APAYDIN H., ÖZTÜRK A.  
1. Ulusal Sulama Kongresi, Turkey, 8 - 11 November 2001
- XXX. **Açık drenaj kanalı proje debisinin belirlenmesinde kullanılan yöntemlerin karşılaştırılması.**  
APAYDIN H., ÖZTÜRK A.  
6. Ulusal Kültürteknik Kongresi, Turkey, 5 - 08 June 1997

## **Scientific Refereeing**

TUBITAK Project, 1002 - Quick Support Program, Hatay Mustafa Kemal University, Turkey, March 2023

TUBITAK Project, 1002 - Quick Support Program, Hatay Mustafa Kemal University, Turkey, December 2022

IRRIGATION AND DRAINAGE, National Scientific Refreed Journal, September 2022

TUBITAK Project, 1002 - Quick Support Program, Erciyes University, Turkey, July 2022

TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, March 2022

## **Metrics**

Publication: 51

Citation (WoS): 120

Citation (Scopus): 263

H-Index (WoS): 6

H-Index (Scopus): 6