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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), Turkey 2014 - 2020

Postgraduate, Selcuk University, Institute Of Science, Tarımsal Yapılar Ve Sulama (YI) (Tezli), Turkey 2011 - 2014

Undergraduate, Selcuk University, Faculty Of Agriculture, Department Of Agricultural Engineering, Turkey 2007 - 2011

Dissertations

Doctorate, FARKLI SULAMA SUYU KALİTESİ VE TABANSUYU DERİNLİKLERİNİN FASÜLYENİN (*Phaseolus vulgaris L.*) VERİMİNE ETKİSİ, Ankara University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (Dr), 2020

Postgraduate, Laboratuvar koşullarında farklı toprak tekstürlerinde, değişik tuzluluklarda oluşturulan taban suyundan kapiller tuz taşınımı, Selcuk University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama (YI) (Tezli), 2014

Academic Titles / Tasks

Research Assistant, Ankara University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama Bölümü, 2013 - Continues

Research Assistant, Selcuk University, Institute Of Science, Tarımsal Yapılar Ve Sulama (YI) (Tezli), 2014 - 2014

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.
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- II. **Artificial neural network modeling for deciphering the in vitro induced salt stress tolerance in chickpea (*Cicer arietinum L.*)**
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- III. **Improving reservoir inflow prediction via rolling window and deep learning-based multi-model approach: case study from Ermenek Dam, Turkey**
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 - V. **Estimation of sodium adsorption ratio in a river with kernel-based and decision-tree models**
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 - VI. **Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting**
APAYDIN H., Feizi H., Sattari M. T., ÇOLAK M. S., Shamshirband S., Chau K.
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 - VII. **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 BİLİMLERİ DERGİSİ, vol.24, no.3, pp.394-402, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **DSİ 15. Bölge Sulama Şebekelerinde Tarımda Su Kullanımının Değerlendirilmesi**
ÇOLAK M. S., ÇAKMAK B.
Süleyman Demirel Üniversitesi Ziraat fakültesi Dergisi, pp.26-30, 2018 (Peer-Reviewed Journal)
- II. **Su Kirliliğinin Tarıma Etkileri**
ÇOLAK M. S., AVCI S.
TARIM TÜRK, no.67, pp.9-12, 2017 (Non Peer-Reviewed Journal)
- III. **Ülkemizin Su Varlığı**
ÇOLAK M. S.
TARIM TÜRK-GÜBRE ve SULAMA, no.63, pp.32-34, 2017 (Non Peer-Reviewed Journal)
- IV. **Sulama Zamanı Planlanmasında Kullanılan Yeni Teknolojiler**
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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 ÜCRETLERİİNDE 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

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.
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- II. **SALT ACCUMULATION IN THE SOIL IN TERMS OF IRRIGATION METHODS**

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- III. METHODS USED IN DETERMINING AND MONITORING SALINIZED AGRICULTURAL AREAS
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- 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. NEW APPROACHES IN AGRICULTURAL WATER MANAGEMENT: WATER FOOTPRINT.
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- IX. Using Drainage Water In Agriculture
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- X. SALINITY MANAGEMENT AND LEACHING PRACTICES.
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- XIV. Yields Evaluation of some field crops grown in central Anatolian in salty conditions.
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- XV. ARTIFICIAL RAIN ON THE VERGE OF DROUGHT.

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- XVI. **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
- XVII. **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., Beirut, Lebanon, 20 - 22 September 2021, pp.1-10
- XVIII. **Drought Monitoring–Evaluation and Forecast**
Akçakoca F., Apaydin H., Öztürk A., Çolak M. S.
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- XIX. **Drought Monitoring–Evaluation and Forecast**
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- XX. **Machines Used In Installation Of Agricultural Drainage Systems**
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- XXVI. **Tarımda Su ve Tuzluluk Yönetimi**
YURTSEVEN E., SEMİZ G. D., AVCI S., ÇOLAK M. S.
IX. TÜRKİYE ZİRAAT MÜHENDİSLİĞİ TEKNİK KONGRESİ, 13-17 Ocak, Ankara., Ankara, Turkey, 13 - 17 January 2020, pp.119-140
- XXVII. **The Impact of Irrigation Practices on Drainage Water Salinity: SoilColumn Experiments with Sandy**

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XXVIII. Climate change, water resources and food safety

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XXIX. 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

XXX. Yaşamın Kaynağı ve Suyun Dağılımına Global ve Ülkesel Bakış

ÇOLAK M. S., ÖZTÜRK A.

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XXXI. Toprak Tuzluluğunun Matematiksel Modellerle İncelenmesi: Hydrus-1D Örneği

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

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XXXII. 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

XXXIII. Yıkama Hacmi Uygulamasının Topraktan Tuzların Yıkamasına 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

XXXIV. Phenotyping Technologies for Plant Breeding

Semiz G. D., Çolak M. S., Avcı S.

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XXXV. Usage of Agricultural Waste

ÇOLAK M. S., AVCI S., SEMİZ G. D.

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XXXVI. Possible Use of Alternative Energy Sources in Agriculture

ÇOLAK M. S., AVCI S., SEMİZ G. D.

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XXXVII. Use of Agricultural Mathematical Models: Hydrus-1d Model

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XXXVIII. Irrigation and salinization:Rise and collapse of civilizations

SEMİZ G. D., ÇOLAK M. S., AVCI S.

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XXXIX. Comparison of measured and simulated EC of soil water in relation with irrigation water salinity and leaching ratio

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XLI. Utilization of Water Resources and Sustainable Crop Production

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- XLII. **Change in the salinity composition of drainage water in soil columns irrigated by different salinity and varying leaching fractions of water**

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