

Prof. İlker ANGIN



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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Bilimleri, Tarımsal Yapılar Ve Sulama , Turkey 2002 - 2008

Postgraduate, Ataturk University, Fen Bilimleri, Tarımsal Yapılar Ve Sulama , Turkey
1998 - 2002

Undergraduate, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, Turkey
1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Arıtma Çamurlarının Fiziksel ve Kimyasal Toprak Düzenleyicisi Olarak Kullanımı, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Tarımsal Yapılar ve Sulama Anabilim Dalı, 2008

Postgraduate, Erzurum Kentsel Atık Suları ile Sulanan Tarımsal Alanlarda Ortaya Çıkan Sorunlar ve Çözüm Önerileri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Tarımsal Yapılar ve Sulama Anabilim Dalı, 2002

Research Areas

Agricultural Sciences, Agriculture, Farm Structures and Irrigation, Irrigation

Academic Titles / Tasks

Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2017 - Continues

Associate Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2012 - 2017

Assistant Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2011 - 2012
Research Assistant PhD, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2008 - 2011
Research Assistant, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 1999 - 2008

Academic and Administrative Experience

Deputy Head of Department, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2019 - Continues

Courses

Water Efficiency, Undergraduate, 2023 - 2024
Agriculture, Innovation and Futur, Undergraduate, 2023 - 2024
Water Footprint, Undergraduate, 2023 - 2024
Models and Analogies, Doctorate, 2020 - 2021
Drinking and utility water supply, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimating virtual water content and yield of wheat using machine learning tools**
Muratoglu A., Demir M. S., YAĞANOĞLU M., ANGIN İ.
Journal of Hydrology, vol.651, 2025 (SCI-Expanded)
- II. **Performance analyses of effective rainfall estimation methods for accurate quantification of agricultural water footprint**
Muratoglu A., Bilgen G. K., ANGIN İ., Kodal S.
Water Research, vol.238, 2023 (SCI-Expanded)
- III. **High-speed treatment of low strength domestic wastewater for irrigation water production in pilot-scale classical, moving bed and fixed bed hybrid MBRs**
Tuluk B., YILDIZ E., NUHOĞLU A., Tataroglu N. S., Gulluce E., CENGİZ İ., DEĞERMENCİ N., ANGIN İ.
JOURNAL OF CLEANER PRODUCTION, vol.375, 2022 (SCI-Expanded)
- IV. **Effective removal of sodium ion as efflorescence at soil surface using ammonium salts**
Angin İ., Aksakal E. L., Sari S., Alanyalioglu M.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.320, 2022 (SCI-Expanded)
- V. **A NEW APPROACH FOR COMPARISON OF SOIL CHARACTERISTICS USING GREY RELATIONAL ANALYSIS AND PRINCIPAL COMPONENT ANALYSIS**
Yaganoglu E., Sari S., Aksakal E. L., Yaganoglu A. M., Angin I.
JOURNAL OF ANIMAL AND PLANT SCIENCES-JAPS, vol.32, no.2, pp.466-478, 2022 (SCI-Expanded)
- VI. **Effects of freeze-thaw cycles on consistency limits of soils amended with diatomite**
AKSAKAL E. L., ANGIN İ., SARI S.
SOIL & TILLAGE RESEARCH, vol.213, 2021 (SCI-Expanded)
- VII. **THE USABILITY OF HYDROGEL IN INCREASING THE EFFICIENCY OF GYPSUM APPLIED TO SALINE-SODIC SOILS**
ANGIN İ., Gurlek A., SARI S.
CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, vol.16, no.1, pp.93-98, 2021 (SCI-Expanded)
- VIII. **A new approach for calculating aggregate stability: Mean weight aggregate stability (MWAS)**
AKSAKAL E. L., ANGIN İ., Sari S.
CATENA, vol.194, 2020 (SCI-Expanded)
- IX. **THE USE OF SEWAGE SLUDGE AND DIATOMITE AS GROWING MEDIUM IN SCOTS PINE (PINUS SYLVESTRIS L.) SEEDLING PRODUCTION AND EVALUATION OF ITS LAND PERFORMANCE**

- Kose M., Ugurlu C., Oncul O., Demirci F., ANGIN İ.
SUMARSKI LIST, vol.144, pp.559-564, 2020 (SCI-Expanded)
- X. **The use of iron (III) ferrocyanide soil amendment for removing salt from the soil surface**
ANGIN İ., Sari S., AKSAKAL E. L., Tohumcu F.
ARID LAND RESEARCH AND MANAGEMENT, vol.33, no.1, pp.91-96, 2019 (SCI-Expanded)
- XI. **Spatio-temporal variability in physical properties of different textured soils under similar management and semi-arid climatic conditions**
AKSAKAL E. L., BARIK K., ANGIN İ., Sari S., ISLAM K. R.
Catena, vol.172, pp.528-546, 2019 (SCI-Expanded)
- XII. **Ethylenediamine-N,N '-disuccinic acid mitigates salt-stress damages in strawberry by interfering with effects on the plant ionome**
ASLANTAS R., ANGIN İ., KÖSE M. Z., BERNSTEIN N.
ANNALS OF APPLIED BIOLOGY, vol.171, no.2, pp.190-201, 2017 (SCI-Expanded)
- XIII. **Effects of Sewage Sludge Amendment on Some Soil Properties, Growth, Yield and Nutrient Content of Raspberry (Rubus idaeus L.)**
ANGIN İ., Aslantas R., GÜNEŞ A., KOSE M., ÖZKAN G.
ERWERBS-OBSTBAU, vol.59, no.2, pp.93-99, 2017 (SCI-Expanded)
- XIV. **Influence of vermicompost application on soil consistency limits and soil compactibility**
Sari S., AKSAKAL E. L., ANGIN İ.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.41, no.5, pp.357-371, 2017 (SCI-Expanded)
- XV. **Effects of diatomite (DE) application on physical properties of soils subjected to freeze-thaw cycles**
ANGIN İ., Sari S., AKSAKAL E. L.
SOIL & TILLAGE RESEARCH, vol.160, pp.34-41, 2016 (SCI-Expanded)
- XVI. **Fruit Characteristics and Detachment Parameters of Sour Cherry (Prunus cerasus L. cv. 'Kutahya') as Affected by Various Maturity Stages**
Aslantas R., ANGIN İ., BOYDAŞ M. G., ÖZKAN G., Kara M.
ERWERBS-OBSTBAU, vol.58, no.2, pp.127-134, 2016 (SCI-Expanded)
- XVII. **EFFECTS OF VERMICOMPOST APPLICATION ON SOIL AGGREGATION AND CERTAIN PHYSICAL PROPERTIES**
AKSAKAL E. L., Sari S., ANGIN İ.
LAND DEGRADATION & DEVELOPMENT, vol.27, no.4, pp.983-995, 2016 (SCI-Expanded)
- XVIII. **Spatial variability in soil compaction properties associated with field traffic operations**
BARIK K., AKSAKAL E. L., Islam K. R., Sari S., ANGIN İ.
CATENA, vol.120, pp.122-133, 2014 (SCI-Expanded)
- XIX. **Long-term effects of sewage sludge application on sour cherry (Prunus cerasus L.)**
Aslantas R., ANGIN İ., KOBAZA A. O.
ISRAEL JOURNAL OF PLANT SCIENCES, vol.61, pp.51-56, 2013 (SCI-Expanded)
- XX. **Effects of municipal solid waste compost (MSWC) application on certain physical properties of soils subjected to freeze-thaw**
ANGIN İ., AKSAKAL E., ÖZTAŞ T., HANAY A.
SOIL & TILLAGE RESEARCH, vol.130, pp.58-61, 2013 (SCI-Expanded)
- XXI. **Effects of diatomite on soil consistency limits and soil compactibility**
AKSAKAL E. L., ANGIN İ., ÖZTAŞ T.
CATENA, vol.101, pp.157-163, 2013 (SCI-Expanded)
- XXII. **Effects of diatomite on soil physical properties**
AKSAKAL E. L., ANGIN İ., ÖZTAŞ T.
CATENA, vol.88, no.1, pp.1-5, 2012 (SCI-Expanded)
- XXIII. **Changes in chemical properties of soil and sour cherry as a result of sewage sludge application**
ANGIN İ., Aslantas R., KOSE M., KARAKURT H., ÖZKAN G.
HORTICULTURAL SCIENCE, vol.39, no.2, pp.61-66, 2012 (SCI-Expanded)
- XXIV. **Effects of Sewage Sludge Application on Yield, Yield Parameters and Heavy Metal Content of Barley**

Grown under Arid Climatic Conditions

ANGIN İ., YAĞANOĞLU A. M.

INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY, vol.14, no.5, pp.811-815, 2012 (SCI-Expanded)

- XXV. **Influence of Global Warming on Aggregate Stability and Hydraulic Conductivity Under Highland Soil Order in Turkey**
ÖZGÜL M., AKSAKAL E. L., GUNES A., ANGIN İ., Turan M., ÖZTAŞ T.
SOIL SCIENCE, vol.176, no.10, pp.559-566, 2011 (SCI-Expanded)
- XXVI. **LABORATORY EXPERIMENT CONCERNING THE USE OF FLY ASH AS A RECLAMATION MATERIAL IN SALINE-SODIC SOILS**
ANGIN İ., ŞAHİN Ü., TUNC T.
CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, vol.6, no.2, pp.109-114, 2011 (SCI-Expanded)
- XXVII. **Effects of Sewage Sludge Application on Some Physical and Chemical Properties of a Soil Affected by Wind Erosion**
ANGIN İ., YAĞANOĞLU A. M.
JOURNAL OF AGRICULTURAL SCIENCE AND TECHNOLOGY, vol.13, no.5, pp.757-768, 2011 (SCI-Expanded)
- XXVIII. **EFFECT OF DIATOMITE ON GROWTH OF STRAWBERRY**
ANGIN İ., KOSE M., Aslantas R.
PAKISTAN JOURNAL OF BOTANY, vol.43, no.1, pp.573-577, 2011 (SCI-Expanded)
- XXIX. **VEGETATIVE AND POMOLOGICAL CHANGES OF SOUR CHERRY AS AFFECTED BY SEWAGE SLUDGE APPLICATION**
Aslantas R., ANGIN İ., KARAKURT H., KOSE M.
BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE, vol.16, no.6, pp.740-747, 2010 (SCI-Expanded)
- XXX. **Application of Sewage Sludge as a Soil Physical and Chemical Amendment**
ANGIN İ., YAĞANOĞLU A. M.
EKOLOJİ, vol.19, no.73, pp.39-47, 2009 (SCI-Expanded)
- XXXI. **Effect of freezing and thawing processes on some physical properties of saline-sodic soils mixed with sewage sludge or fly ash**
ŞAHİN Ü., ANGIN İ., KIZILOĞLU F. M.
SOIL & TILLAGE RESEARCH, vol.99, no.2, pp.254-260, 2008 (SCI-Expanded)
- XXXII. **Humic acid addition enhances B and Pb phytoextraction by vetiver grass (*Vetiveria zizanioides* (L.) Nash)**
ANGIN İ., Turan M., Ketterings Q. M., ÇAKICI A.
WATER AIR AND SOIL POLLUTION, vol.188, pp.335-343, 2008 (SCI-Expanded)
- XXXIII. **Effects of wastewater irrigation on soil and cabbage-plant (*brassica oleracea* var. *capitata* cv. *yalova-1*) chemical properties**
Kiziloglu F. M., Turan M., Sahin U., Angin I., Anapali O., Okuroglu M.
JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE, vol.170, no.1, pp.166-172, 2007 (SCI-Expanded)
- XXXIV. **An investigation on natural wastewater treatment system and re-usability of wastewater in irrigation**
Kocaman B., Yaganoglu A. V., Angin I.
JOURNAL OF SUSTAINABLE AGRICULTURE, vol.31, no.2, pp.83-90, 2007 (SCI-Expanded)
- XXXV. **The effect of deficit irrigation on water-yield relationship of sugar beet (*Beta vulgaris* L.) under cool season and semi-arid climatic conditions**
Kiziloglu F. M., Sahin U., Angin I., Anapali O.
INTERNATIONAL SUGAR JOURNAL, vol.108, no.1286, pp.90-94, 2006 (SCI-Expanded)
- XXXVI. **Effects of long-term wastewater irrigation on soil properties**
Angin I., Yaganoglu A., Turan M.
JOURNAL OF SUSTAINABLE AGRICULTURE, vol.26, no.3, pp.31-42, 2005 (SCI-Expanded)
- XXXVII. **Organic chelate assisted phytoextraction of B, Cd, Mo and Pb from contaminated soils using two agricultural crop species**

Turan M., Angin I.

ACTA AGRICULTURAE SCANDINAVICA SECTION B-SOIL AND PLANT SCIENCE, vol.54, no.4, pp.221-231, 2004 (SCI-Expanded)

XXXVIII. **Evaluation of Reference Evapotranspiration Calculation Methods Applied to the Climatic Conditions of Turkey**

Şahin Ü., Angin İ., Anapalı Ö.

Journal Of Hydrology And Hydromechanics, vol.52, pp.125-133, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **EFFECTS OF THE APPLICATION OF ANAEROBICALLY DIGESTED SEWAGE SLUDGE ON THE CONSISTENCY LIMITS AND COMPACTION CHARACTERISTICS OF DIFFERENTLY TEXTURED SOILS**
UTICAJI PRIMENE ANAEROBNO RAZGRADENOG KANALIZACIONOG MULJA NA GRANICE KONZISTENCIJE I ZBIJENOST ZEMLJIŠTA RAZLIČITE TEKSTURE
AKSAKAL E. L., Cambaztepe A., ANGIN İ., Sari S.
Journal of Agricultural Sciences (Belgrade), vol.69, no.1, pp.57-76, 2024 (Scopus)
- II. **Yapay Sulak Alanların Soğuk İklim Şartlarında Kullanılabilirliği**
Angin İ., Talip T., Şahin Ü.
Tarım Bilimleri Araştırma Dergisi, vol.3, pp.59-64, 2010 (Peer-Reviewed Journal)
- III. **Effects of Changes in Water Use on Rural Landscape Integrity: Tortum Lake Watershed, Turkey**
ANGIN İ., KARAHAN F.
J. Agric. Rural Development-JARD, vol.7, pp.139-144, 2009 (Peer-Reviewed Journal)
- IV. **Changes in Some Quality Properties after Different Storage Periods of Potato Tubers Grown Under Well and Deficit Irrigation Conditions**
Şahin Ü., Kızıloğlu F. M., Angin İ.
Bulgarian Journal Of Agricultural Science, vol.12, pp.673-682, 2006 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of zeolite (Clinoptilolite) on soil aggregation**
AKSAKAL E. L., SARI S., ANGIN İ., BARİK K.
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.538
- II. **A New Approach for the Reclamation of Salt-Affected Soils: Salt Harvest Technique**
ANGIN İ., SARI S., AKSAKAL E. L., TOHUMCU F.
II. International Iğdır Symposium, 9 - 11 October 2017
- III. **Yeşil Alan Uygulamalarında Su Tüketiminin Asgariye İndirilmesi İçin Sukkulent Bitki Türlerinden Yararlanma**
KARAHAN F., ANGIN İ.
TMMOB Su Politikaları 2. Kongresi, Turkey, 20 - 22 March 2008
- IV. **ÇÖP KOMPOSTU UYGULAMARININ TOPRAKLARIN BAZI STRÜKTÜREL ÖZELLİKLERİ İLE PROKTOR SIKIŞMA PARAMETRELERİ ÜZERİNE ETKİSİ**
BARİK K., SARI S., ANGIN İ., AKSAKAL E. L.
4. Uluslar arası Katılımlı Toprak ve Su Kaynakları Kongresi, Turkey, 1 - 04 September 2015
- V. **Yarı Kurak İklim Koşulları Altında Mikro Skalada Bazı Toprak Özelliklerinin Yersel ve Zamansal Değişiminin Jeostatistiksel Yöntemlerle Belirlenmesi**
AKSAKAL E. L., BARİK K., SARI S., ANGIN İ.
4. Uluslararası Katılımlı Toprak ve Su Kongresi, Turkey, 1 - 04 September 2015
- VI. **Yarı Kurak İklim Koşulları Altında Mikro Skalada Bazı Toprak Fiziksel Özelliklerinin Yersel ve Zamansal Değişiminin Jeostatistiksel Yöntemlerle Belirlenmesi**

AKSAKAL E. L., BARİK K., SARI S., ANGIN İ.

4. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Turkey, 1 - 04 September 2015

VII. **Çöp Kompostu Uygulamalarının Toprakların Bazı Strüktürel Özellikleri ile Proktor Sıkışma Parametreleri Üzerine Etkisi**

BARİK K., SARI S., ANGIN İ., AKSAKAL E. L.

4. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Turkey, 1 - 04 September 2015

Supported Projects

Angin İ., Project Supported by Other Official Institutions, Kullanılmış Suların Yeniden Kullanım Alternatiflerinin Değerlendirilmesi Projesi Teknik Destek Hizmet Alım İşi, 2017 - 2019

ŞAHİN Ü., ANGIN İ., YANIK R., YAĞANOĞLU A., ÖRS CIRIK S., ŞAHİN S., Project Supported by Higher Education Institutions, Ziraat Fakültesi Tarımsal Yapılar ve Sulama Bölümü Bilimsel Alt Yapısının Geliştirilmesi, 2017 - 2018

ŞAHİN Ü., ŞAHİN S., YAĞANOĞLU A., ANGIN İ., YANIK R., ÖRS CIRIK S., Project Supported by Higher Education Institutions, Ziraat Fakültesi Tarımsal Yapılar ve Sulama Bölümü Araştırma Faaliyetlerinin Desteklenmesi, 2017 - 2018

Bayhan Y. K., Nuhoglu A., Angin İ., Yıldız E., TUBITAK Project, Düşük Şiddetli Eysel Atkuların Klasik, Hareketli ve Sabit Yataklı Hibrit MBR'lerde Yüksek Hızda Sulama Suyu Amaçlı Arıtımı, 2015 - 2017

AKSAKAL E. L., ANGIN İ., Project Supported by Higher Education Institutions, VERMİKOMPOST UYGULAMASININ TOPRAK FİZİKSEL VE MEKANİKSEL ÖZELLİKLERİNE OLAN ETKİSİ, 2014 - 2016

ANGIN İ., ÖZKAN G., Project Supported by Higher Education Institutions, ARITMA ÇAMURU UYGULAMALARININ ŞEFTALİ VE ARMUTTA VEJETATİF GELİŞİM, POMOLOJİK VE KİMYASAL ÖZELLİKLER İLE TOPRAK ÖZELLİKLERİNE OLAN ETKİSİ, 2013 - 2016

ANGIN İ., TUBITAK Project, Donma-Çözülme Süreçlerinin Kuzey Doğu Anadolu Bölgesinde Yaygın Olarak Bulunan Büyük Toprak Gruplarının Besin Elementi Yarayışlılığı Üzerine Etkisi, 2008 - 2011

Activities in Scientific Journals

Atatürk Üniversitesi Ziraat Fakültesi Dergisi, Assistant Editor/Section Editor, 2014 - 2016

Metrics

Publication: 49

Citation (WoS): 663

Citation (Scopus): 778

H-Index (WoS): 15

H-Index (Scopus): 16