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International Researcher IDs

Publons / Web Of Science ResearcherID: C-7620-2016

Yoksis Researcher ID: 112128

Education Information

Doctorate, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, United States Of America 1999 - 2005

Postgraduate, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, United States Of America 1997 - 1998

Undergraduate, Ankara University, Ziraat Fakültesi, Toprak Bölümü, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Characterization of Cellulolytic and Fermentative Processes, with Emphasis on Clostridium Species in Wetland Soils, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, 2005

Postgraduate, Characterization of a Naphthalene Degrading Bacterium, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, 1998

Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Soil Biology

Academic Titles / Tasks

Associate Professor, Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition, 2018 - Continues

Assistant Professor, Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition, 2007 - 2018

Research Assistant PhD, Tokat Gaziosmanpaşa University, Vocational School, Organik Tarım, 2005 - 2007

Research Assistant, University of Florida, IFAS, Soil And Water Science Dept., Soil And Water Science Dept., 2002 - 2005

Research Assistant, University of Florida, The Landfill Project, The Landfill Project, 2000 - 2001

Research Assistant, Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition, 1993 - 1995

Academic and Administrative Experience

Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition, 2019 - Continues

Akdeniz University, Faculty of Agriculture, Department of Agrology and Plant Nutrition, 2009 - 2016

Advising Theses

UZ İ., VERMİKOMPOSTTAN FOSFAT ÇÖZEN BAKTERİLERİN İZOLE EDİLMESİ VE MİKROBİYAL GÜBRE POTANSİYELİNİN BELİRLENMESİ, Postgraduate, A.NUR(Student), 2022

UZ İ., Vermikompost uygulanmış topraktan azot fikse eden bakterilerin izole edilmesi ve mikrobiyal gübre potansiyellerinin belirlenmesi, Postgraduate, E.YANIK(Student), 2021

UZ İ., Biyokömürün Toprağın Biyolojik Özellikleri Üzerine Etkilerinin İncelenmesi, Doctorate, A.latif(Student), 2020

UZ İ., Vermikompost Kullanımının Sera Koşullarında Kıvrıkcık Marul (*Lactuca sativa* var. *crispa*)'da Toprak Verimliliği ile Fide Üretimi, Verim ve Kalite Özellikleri Üzerine Etkilerinin İncelenmesi, Doctorate, İ.Emrah(Student), 2019

UZ İ., Fosfor Çözücü Bakteri İçeren Mikrobiyal Gübre Uygulamalarının Toprağın Bazı Biyolojik Özellikleri ile Domates Bitkisinin Gelişimi ve Besin Maddesi Alımı Üzerine Etkisinin Araştırılması, Postgraduate, S.ÇETİN(Student), 2015

UZ İ., Farklı Dozlarda Uygulanan Vermikompostun Toprağın Enzim Aktivitesi ve Bakteriye Varlığı Üzerine Etkisi, Postgraduate, İ.Emrah(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Monitoring the effects of pH and EC regulated drip fertigation on microbial dynamics of calcareous soil in tomato (*Solanum lycopersicum* L.) cultivation under greenhouse conditions in a Mediterranean climate**
MALTAŞ A. Ş. , TAVALI İ. E. , UZ İ., KAPLAN M.
Scientia Horticulturae, vol.306, 2022 (SCI-Expanded)
- II. **Monitoring the Changes in the Microbial Dynamics of Calcareous Soil with the Amendment of Stabilized and Dried Sewage Sludge in Mediterranean Region of Turkey**
Tavali I. E. , ORMAN Ş., Ozgur A., UZ İ., Sulaman S.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.30, no.6, pp.5263-5271, 2021 (SCI-Expanded)
- III. **Short-Term Effects of Solid and Liquid Manure Amendments on Microbial Activity of an Alkaline Soil with High Lime Content during Horticultural Plant Growing**
Tavali I. E. , MALTAŞ A. Ş. , UZ İ., KAPLAN M.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.50, no.21, pp.2767-2776, 2019 (SCI-Expanded)
- IV. **Seasonal changes of spatial variation of some groundwater quality variables in a large irrigated coastal Mediterranean region of Turkey**
KURUNÇ A., Ersahin S., SÖNMEZ N. K. , KAMAN H., UZ İ., UZ B. Y. , ASLAN G. E.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.554, pp.53-63, 2016 (SCI-Expanded)
- V. **Effect of Vermicompost on Chemical and Biological Properties of an Alkaline Soil with High Lime Content during Celery (*Apium graveolens* L. var. *dulce* Mill.) Production**
UZ İ., SÖNMEZ S., Tavali I. E. , Çıtak S., Uras D. S. , Çıtak S.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.44, no.1, pp.280-290, 2016 (SCI-Expanded)
- VI. **Short-Term Effect of Vermicompost Application on Biological Properties of an Alkaline Soil with High Lime Content from Mediterranean Region of Turkey**
UZ İ., Tavali I. E.
SCIENTIFIC WORLD JOURNAL, vol.2014, 2014 (SCI-Expanded)
- VII. **A holistic management of waste landfills in Mediterranean city: The case study of Antalya Kizilli**
ERDOĞAN R., MANSUROĞLU S., UZ İ., Oktay H. E.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.9, no.2, pp.636-640, 2011 (SCI-Expanded)

- VIII. **Identification of nitrate leaching hot spots in a large area with contrasting soil texture and management**
KURUNÇ A., Ersahin S., Uz B. Y. , SÖNMEZ N. K. , UZ İ., KAMAN H., Bacalan G. E. , Emekli Y.
Agricultural Water Management, vol.98, no.6, pp.1013-1019, 2011 (SCI-Expanded)
- IX. **Effect of both soil copper applications and foliar copper application frequencies on macronutrients contents of tomato plants**
Sonmez S., Kaplan M., Sonmez N. K. , KAYA H., Uz I.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.7, pp.5372-5384, 2007 (SCI-Expanded)
- X. **Effect of soil copper and foliar copper applications on micronutrient contents of tomato plants**
Sonmez S., Kaplan M., Sonmez N. K. , Kaya H., Uz I.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.5, pp.3929-3940, 2007 (SCI-Expanded)
- XI. **Methylocystis hirsuta sp nov., a novel methanotroph isolated from a groundwater aquifer**
Lindner A. S. , Pacheco A., Aldrich H. C. , Staniec A. C. , UZ İ., Hodson D. J.
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.57, pp.1891-1900, 2007 (SCI-Expanded)
- XII. **Cellulolytic, fermentative, and methanogenic guilds in benthic periphyton mats from the Florida Everglades**
UZ İ., Chauhan A., Ogram A. V.
FEMS MICROBIOLOGY ECOLOGY, vol.61, no.2, pp.337-347, 2007 (SCI-Expanded)
- XIII. **Cellulolytic and fermentative guilds in eutrophic soils of the Florida Everglades**
UZ İ., Ogram A. V.
FEMS MICROBIOLOGY ECOLOGY, vol.57, no.3, pp.396-408, 2006 (SCI-Expanded)
- XIV. **High level of copper application to soil and leaves reduce the growth and yield of tomato plants**
Sonmez S., Kaplan M., Sonmez N. K. , KAYA H., Uz I.
SCIENTIA AGRICOLA, vol.63, no.3, pp.213-218, 2006 (SCI-Expanded)
- XV. **Characterization of methanogenic and methanotrophic assemblages in landfill samples**
Uz I., Rasche M., Townsend T., Ogram A., Lindner A.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.270, 2003 (SCI-Expanded)
- XVI. **Characterization of the naphthalene-degrading bacterium, Rhodococcus opacus M213**
Uz I., Duan Y., Ogram A.
FEMS MICROBIOLOGY LETTERS, vol.185, no.2, pp.231-238, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of biochar applications on certain quality parameters and lettuce yield (Lactuca sativa L.)**
GALADIMA M. M. , ABDUL AZIZ A. L. , YILMAZ E., UZ İ.
Mediterranean Agricultural Sciences, vol.33, no.3, pp.417-424, 2020 (Peer-Reviewed Journal)
- II. **Kırmızı baş lahanası (Brassica oleracea var. capitata f. rubra) yetiştiriciliğinde vermikompost uygulaması**
Maltaş A. Ş. , Tavalı İ. E. , Uz İ., Kaplan M.
Mediterranean Agricultural Sciences, vol.30, no.2, pp.155-161, 2017 (Peer-Reviewed Journal)
- III. **Vermikompost ve tavuk gübresinin yazlık kabağın (Cucurbita pepo L. cv. Sakız) verim ve kalitesi ile toprağın bazı kimyasal özellikleri üzerine etkileri**
TAVALI İ. E. , UZ İ., ORMAN Ş.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.27, no.2, pp.119-124, 2014 (Peer-Reviewed Journal)
- IV. **Vermikompostun beyaz baş lahananın (Brassica oleracea var. Alba) verim, kalite ve mineral beslenme durumu üzerine etkisi**
TAVALI İ. E. , MALTAŞ A. Ş. , UZ İ., KAPLAN M.
AKDENİZ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.27, pp.61-67, 2014 (Peer-Reviewed Journal)
- V. **Karnabaharın (Brassica oleracea var. botrytis) verim, kalite ve mineral beslenme durumu üzerine**

vermikompostun etkisi

TAVALI İ. E. , MALTAŞ A. Ş. , UZ İ., KAPLAN M.

Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, no.26, pp.115-120, 2013 (Peer-Reviewed Journal)

- VI. **Vermikompostun sürdürülebilir tarımsal üretimde kullanımı**
Tavali İ. E. , Uz İ.
Hasad Bitkisel Üretim Dergisi, vol.27, no.314, pp.106-110, 2011 (Peer-Reviewed Journal)
- VII. **Kumluca ve Kale yörelerindeki seralarda yetiştirilen biberlerin beslenme durumlarının belirlenmesi**
Sönmez S., Uz İ., Kaplan M., Aksoy T.
Turkish Journal of Agriculture and Forestry, vol.23, no.Ek Sayı: 2, pp.365-373, 1999 (Scopus)
- VIII. **Kumluca ve Kale yörelerinde serada yetiştirilen patlıcan Bitkisinin beslenme durumunun belirlenmesi.**
Uz İ., Sönmez S., Kaplan M.
Bahçe, no.27, pp.63-72, 1997 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Toprak Organizmalarının Yönetimi ve Sürdürülebilir Tarım Açısından Önemi**
Okur N., Kızılkaya R., UZ İ.
in: Toprak Amenajmanı, Erşahin S., Öztaş T., Namlı A., Karahan G., Editor, Gazi Kitabevi, Ankara, pp.405-447, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Vermikompostta ısıtma işlem uygulamasının toprağın azot ile ilişkili biyolojik ve kimyasal özellikleri üzerine etkisi**
Tavali İ. E. , Uz İ.
8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, pp.74
- II. **Sebze Fidesi Yetiştiriciliğinde Vermikompost Uygulaması**
TAVALI İ. E. , UZ İ.
Doğal 2018 (Natural 2018) AVRASYA Doğal Beslenme ve Sağlıklı Yaşam Zirvesi'2018 (International EURASIAN Natural Nutrition and Healthy Life Summit 2018), Ankara, Turkey, 12 - 15 July 2018, pp.291-292
- III. **Utilization of vermicompost in horticultural plant growing**
TAVALI İ. E. , MALTAŞ A. Ş. , UZ İ., KAPLAN M.
5.ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.198
- IV. **Effect of a Biofertilizer with Phosphorus-Solubilizing Bacteria on Some Biological Properties of Bulk Soil in the Presence of Tomato Plant (Solanum lycopersicum L.)**
ÇETİN TORUN S., UZ İ.
2nd International Conference on Science, Ecology and Technology-2016 (ICONSETE-2016), Barcelona, Spain, 14 - 16 October 2016, pp.927-936
- V. **Effect of Vermicompost and Chicken Manure on Yield and Quality of Summer Squash (Cucurbita pepo L.cv. Sakız) and Soil Physical and Chemical Properties**
TAVALI İ. E. , UZ İ., ORMAN Ş.
9th International Soil Science Congress on The Soul of Soil and Civilization, Antalya, Turkey, 14 - 16 October 2014, pp.662
- VI. **Effect of Vermicompost Application on Soil Alkaline Phosphatase Activity and Available Phosphorus Content**
TAVALI İ. E. , UZ İ.
8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.5, pp.607-612

- VII. **Spacial variability of nitrate leaching variables in Serik Plain (Antalya)**
 Yetgin Uz B., Erşahin S., KURUNÇ A., SÖNMEZ N. K. , UZ İ., KAMAN H., ASLAN G. E.
 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.3, pp.113-120
- VIII. **Effect of Vermicompost Application on Soil Alkaline Phosphatase Activity and Available Phosphorus Content**
 TAVALI İ. E. , UZ İ.
 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.5, pp.607-612
- IX. **Spatial Variation of Some Physical and Chemical Properties of Soils in Serik Plain**
 Erşahin S., KURUNÇ A., SÖNMEZ N. K. , Uz B., KAMAN H., UZ İ., EMEKLİ N. Y. , ASLAN G. E.
 International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Turkey, 1 - 04 June 2010, pp.106-115
- X. **Antalya Köprüçay Sulamasının Tabansuyuna Etkisinin Coğrafi Bilgi Sistemleri Kullanılarak Belirlenmesi**
 Kurunç A., Sönmez N. K. , Erşahin S., Yetgin Uz B., Kaman H., Uz İ., Emekli N. Y. , Aslan G. E.
 I. Ulusal Sulama ve Tarımsal Yapılar Sempozyumu, Kahramanmaraş, Turkey, 27 - 29 May 2010, pp.342-352
- XI. **Spatial Variation of Some Physical and Chemical Properties of Soils in Serik Plain**
 Erşahin S., KURUNÇ A., SÖNMEZ N. K. , Yetgin Uz B., KAMAN H., UZ İ., EMEKLİ N. Y. , ASLAN G. E.
 International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.106-115
- XII. **Molecular ecology of nitrifying and denitrifying microbial communities.**
 UZ İ.
 International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.802-809
- XIII. **Identification of Nitrate Leaching Hot Spots in a Large Area with Contrasting Management and Soil Texture**
 KURUNÇ A., Erşahin S., Yetgin Uz B., SÖNMEZ N. K. , UZ İ., KAMAN H., ASLAN G. E. , EMEKLİ N. Y.
 International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Samsun, Turkey, 26 - 28 May 2010, pp.153-161
- XIV. **Application of molecular techniques in soil microbial ecology**
 UZ İ., Ogram A. V.
 18th International Soil Meeting on Soil Sustaining Life on Earth, Managing Soil and Technology, Şanlıurfa, Turkey, 22 - 26 May 2006, no.2, pp.601-607
- XV. **Composition and activities of cellulolytic, fermentative, and syntrophic bacteria in floc layer from oligotrophic Everglades soils**
 UZ İ., Chauhan A., Ogram A. V. , Reddy K. R.
 105. General Meeting of American Society for Microbiology, Atlanta, United States Of America, 5 - 09 June 2005
- XVI. **Effect of eutrophication on composition of Clostridium assemblages in the Florida Everglades**
 UZ İ., Ogram A. V. , Reddy K. R.
 104. General Meeting of American Society for Microbiology, New Orleans, United States Of America, 23 - 27 May 2004
- XVII. **Novel metabolites identified in the biochemical pathway of naphthalene degradation by Rhodococcus opacus M213**
 Chauhan A., UZ İ., Ogram A. V.
 103. General Meeting of American Society for Microbiology, Washington Dc, United States Of America, 18 - 22 May 2003
- XVIII. **Composition and activities of cellulolytic and fermentative bacteria in impacted and nonimpacted wetland soils**
 UZ İ., Ogram A. V. , Reddy K. R.
 103. General Meeting of American Society for Microbiology, Washington Dc, United States Of America, 18 - 22 May

2003

- XIX. Microbial trophic levels within the carbon cycle in oligotrophic and nutrient impacted regions of water conservation area 2-A**
Ogram A. V. , Chauhan A., Castro H., UZ İ., Reddy K. R.
Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem, Palm Harbor, United States Of America, 13 - 18 April 2003, pp.407-408
- XX. Characterization and activity comparison of methanotrophic-heterotrophic mixed cultures derived from landfill environments**
Strate J., Harris R., UZ İ., Ogram A. V. , Rasche M. E. , Lindner A. S.
102. General Meeting of American Society for Microbiology, Salt Lake City, United States Of America, 19 - 23 May 2002
- XXI. Salinization problem in Antalya region greenhouse soils and recommendations**
Kaplan M., Sonnmez S., Tokmak S., Uz I.
International Symposium on Techniques to Control Salination for Horticultural Productivity, Antalya, Turkey, 7 - 10 November 2000, pp.401-406
- XXII. Microbial characterization of landfill cover soils of different ages**
UZ İ., Lindner A. S. , Rasche M. E. , Ogram A. V.
101. General Meeting of American Society for Microbiology, Orlando, United States Of America, 20 - 24 May 2001
- XXIII. Characterization of the methanotrophic strain CSC-1 isolated from groundwater mixed culture MM1**
Hodson D. J. , UZ İ., Ramakrishnan V., Ogram A., Lindner A. S.
101. General Meeting of American Society for Microbiology, Orlando, United States Of America, 20 - 24 May 2001

Supported Projects

- UZ İ., ALKAN A. N. , Project Supported by Higher Education Institutions, Vermikomposttan Fosfat Çözen Bakterilerin İzole Edilmesi ve Mikrobiyal Gübre Potansiyelinin Belirlenmesi, 2020 - 2022
- Uz İ., Kaplan M., TUBITAK Project, Vermikompost Uygulamasının Bitki Yetiştirilen Bir Toprakta Nitrifikasyon ve Denitrifikasyon Bakteri Topluluk Yapısı ve Çeşitliliği Üzerine Etkilerinin DNA Temelli Kültürden Bağımsız Moleküler Teknikler İle İncelenmesi, 2017 - 2022
- UZ İ., Project Supported by Higher Education Institutions, Vermikomposttan Azot Fikse Eden Bakterilerin İzole Edilmesi ve Mikrobiyel Gübre Potansiyellerinin Belirlenmesi, 2017 - 2021
- UZ İ., TAVALI İ. E. , Project Supported by Higher Education Institutions, Vermikompost Kullanımının Sera Koşullarında Kıvrık Marul (*Lactuca sativa* var. *crispa*)’da Toprak Verimliliği ile Fide Üretimi, Verim ve Kalite Özellikleri Üzerine Etkilerinin İncelenmesi, 2017 - 2019
- UZ İ., KURUNÇ A., TUBITAK Project, Antalya Bölgesi Serik Ovasında Nitrat Yıkanması ve Ekonomik Analiz Paketi (NLEAP) Modeli ile Tahmin Edilen Nitrat Yıkanma Göstergelerinin Uzaysal Değişkenliğinin Analizi, 2008 - 2009

Activities in Scientific Journals

Editor, 2019 - 2021

Memberships / Tasks in Scientific Organizations

Türkiye Toprak Bilimi Derneği, Member, 2005 - Continues
American Society for Microbiology, Member, 1997 - Continues

Metrics

Publication: 49

Citation (WoS): 273

Citation (Scopus): 330

H-Index (WoS): 8

H-Index (Scopus): 10

Congress and Symposium Activities

8. Ulusal Bitki Besleme ve Gübre Kongresi, Attendee, Antalya, Turkey, 2019

Doğal 2018 (Natural 2018) AVRASYA Doğal Beslenme ve Sağlıklı Yaşam Zirvesi'2018 (International EURASIAN Natural Nutrition and Healthy Life Summit 2018), Attendee, Ankara, Turkey, 2018

2nd International Conference on Science, Ecology and Technology-2016 (ICONSETE-2016), Attendee, Barcelona, Spain, 2016

9th International Soil Science Congress on The Soul of Soil and Civilization, Attendee, Antalya, Turkey, 2014

8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, Attendee, İzmir, Turkey, 2012

International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, Attendee, Samsun, Turkey, 2010

18th International Soil Meeting on Soil Sustaining Life on Earth, Managing Soil and Technology, Attendee, Ş.Urfa, Turkey, 2006

104. General Meeting of American Society for Microbiology, Attendee, Louisiana, United States Of America, 2004

103. General Meeting of American Society for Microbiology, Attendee, District Of Columbia, United States Of America, 2003

101. General Meeting of American Society for Microbiology, Attendee, Florida, United States Of America, 2001

Scholarships

Yurt Dışı Yüksek Lisans ve Doktora Bursu, Ministry of Education, 1995 - 2002

Lisans Öğrenim Bursu, University, 1991 - 1992