

Prof. OSMAN SÖNMEZ

Personal Information

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Education Information

Doctorate, Kansas State University, Agronomy, Soil Science, United States Of America 1999 - 2004

Post Graduate, Kansas State University, Agronomy, Soil Science, United States Of America 1997 - 1998

Under Graduate, Cumhuriyet Üniversitesi, Tokat Ziraat Fakültesi, Toprak, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İŞYERİ HEKİMLİĞİ VE İŞ GÜVENLİĞİ UZMANLIĞI EĞİTİCİ BELGESİ, ÇALIŞMA VE SOSYAL GÜVENLİK BAKANLIĞI İŞ SAĞLIĞI VE GÜVENLİĞİ GENEL MÜDÜRLÜĞÜ, 2014

Foreign Language, YABANCI DİL SERTİFİKASI, ORTADOĞU TEKNİK ÜNİVERSİTESİ, 1996

Other, TAEKWONDO HAKEMLİĞİ, TAEKWONDO FEDERASYONU, 1994

Dissertations

Doctorate, 1. A FIELD-BASED ASSESMENT TOOL FOR PHOSPHORUS LOSSES IN RUNOFF KANSAS. 2. EFFECTS OF PHOSPHORUS AND MANGANESE OXIDES ON SOIL LEAD BIOAVAILABILITY. 3. ASSESMENT OF BIOAVAILABILITY OF ZINC BY DIFFUSIVE GRADIENT IN THIN FILMS (DGT), Kansas State University, Agronomy, Soil Science, 2004

Post Graduate, The Influence of Phosphorus Fertilizer and Crop Residue Removal on Soil Phosphorus Fractions, Kansas State University, Agronomy, Soil Science, 1998

Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Soil Chemistry (inorganic,organic), Soil and Water Storage and Management, Soil Improvement (Physical, Chemical Or Biological), Nutritive Principles, Complete Fertilizers, Methods of Application, Grounded Feeding Applications

Academic Titles / Tasks

Professor, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2016 - Continues

Associate Professor, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2014 - 2016

Associate Professor, Harran Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2011 - 2014
Assistant Professor, Harran Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2005 - 2011
Research Assistant PhD, Harran Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2004 - 2005
Research Assistant, Kansas State University, Agronomy, Soil Science, 2002 - 2003

Professional Experience

Döner Sermaye Alt Değerlendirme Komisyonu, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, 2020 - Continues
Dean, Erciyes University, Seyrani Ziraat Fakültesi, ..., 2020 - Continues
Fakülte Yönetim Kurulu Üyesi, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, 2016 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, 2016 - Continues
Head of Department, Erciyes University, Toprak Bilimi Ve Bitki Besleme, 2016 - Continues
Head of Department, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2016 - Continues
Fakülte Kurulu Üyesi, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, 2016 - Continues
Vice Dean, Erciyes Üniversitesi, Ziraat Fakültesi, 2016 - 2018
Head of Department, Erciyes Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2015 - 2016
Vice Dean, Harran Üniversitesi, Ziraat Fakültesi, 2013 - 2014
Deputy Head of Department, Harran Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2009 - 2014

Courses

İş Sağlığı ve Güvenliği, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Danışmanlık, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Toprakta Ağır Metal Kirliliği, Post Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Danışmanlık, Doctorate, 2018 - 2019, 2019 - 2020
Uzmanlık Alanı, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Seminer, Doctorate, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Toprak Kirliliği, Doctorate, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
İleri Toprak Kimyası, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
İşletme Gübre ve Atıklarının Değerlendirilmesi, Doctorate, 2019 - 2020
Mesleki Uygulama, Under Graduate, 2019 - 2020
Toprak Kimyası, Under Graduate, 2017 - 2018, 2018 - 2019
ÇEVRE KİRLİLENMESİ VE TARIM İLİŞKİLERİ, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
İşletme Atıklarının Değerlendirilmesi, Post Graduate, 2017 - 2018
Toprak Bilgisi, Under Graduate, 2014 - 2015, 2016 - 2017
Mesleki Uygulama, Under Graduate, 2015 - 2016, 2016 - 2017
Toprak Bilgisi, Under Graduate, 2014 - 2015, 2015 - 2016
Toprak Bilgisi, Under Graduate, 2014 - 2015, 2015 - 2016
Akademik Yazım, Post Graduate, 2015 - 2016, 2016 - 2017
Toprak Bilgisi, Under Graduate, 2014 - 2015, 2015 - 2016
Mesleki Uygulama, Under Graduate, 2015 - 2016

Tarımsal Kıymet Takdiri, Under Graduate, 2014 - 2015
Mesleki Uygulama, Associate Degree, 2015 - 2016
Mesleki Uygulama, Under Graduate, 2014 - 2015, 2015 - 2016
Fiziko Kimya, Under Graduate, 2013 - 2014
İşletme Atıklarının Geğerlendirilmesi, Post Graduate, 2013 - 2014
Uzmanlık, Post Graduate, 2013 - 2014
Danışmanlık, Post Graduate, 2013 - 2014
Mesleki Uygulama, Under Graduate, 2013 - 2014
Bitirme Ödevi, Under Graduate, 2013 - 2014
Toprak Analizleri, Under Graduate, 2013 - 2014
Toprak Bilimi, Under Graduate, 2013 - 2014
Seminer, Post Graduate, 2013 - 2014
ÇEVRE KİRLENMESİ VE TARIM İLİŞKİLERİ, Post Graduate, 2012 - 2013, 2013 - 2014
TOPRAK KİRLİLİĞİ, Under Graduate, 2013 - 2014
İLERİ TOPRAK KİMYASI, Post Graduate, 2013 - 2014
TOPRAK KİMYASI, Under Graduate, 2013 - 2014

Advising Theses

Sönmez O., KİRLENMİŞ TOPRAKLARDA AĞIR METAL HAREKETLİLİĞİ ÜZERİNE ÇEŞİTLİ TOPRAK DÜZENLEYİCİLERİNİN ETKİLERİNİN BELİRLENMESİ, Post Graduate, N.ŞENKAYA(Student), Continues
SÖNMEZ O., Harran Ovasındaki yaygın bazı toprak serilerinin toplam, organik, inorganik ve yarayışlı Fosfor içeriklerinin belirlenmesi, Post Graduate, E.DÜNDAR(Student), Continues
Sönmez O., Ders aşamasında, Doctorate, D.ALİ(Student), Continues
Sönmez O., Ders aşamasında, Doctorate, L.BEDEL(Student), Continues
SÖNMEZ O., ÇAY VE FINDIK KABUĞU ATIKLARININ AĞIR METALLERCE KİRLENMİŞ TOPRAKLAR ÜZERİNDE YETİŞEN SORGUM SUDAN ÇİMİNİN AĞIR METAL ALIMI ÜZERİNE ETKİSİ, Post Graduate, S.KILIÇ(Student), Continues
SÖNMEZ O., Farklı Fosfor Dozlarının Kabak Bitkisinin Verimi Üzerine Etkisi, Post Graduate, Z.SERDAR(Student), Continues
Sönmez O., Determination of the role of some industrial activities in Kayseri city on polluting the soil, Post Graduate, R.JASIM(Student), Continues
Sönmez O., Patateste Klasik ve Bilimsel Gübreleme ile Kalsiyum ve Borun Patates verim ve kalite üzerine etkileri, Post Graduate, C.TEZCAN(Student), 2019
Sönmez O., Develi Ovası topraklarının yarayışlı ve toplam fosfor içeriklerinin belirlenmesi, Post Graduate, Y.ÇETİN(Student), 2019
Aydemir S., Sönmez O., Harran Ovası Topraklarının Bazı Fiziksel Ve Kimyasal Özelliklerinin Belirlenmesi, Post Graduate, F.JABAR(Student), 2019
SÖNMEZ O., Yüksek Çözünürlükte Görülebilir-Yakın Kızılötesi Yansıma Spektrometre Tekniği ve Yapay Sınır Ağları Metodu İle Toprağın Bazı Parametrelerinin İlişkilendirilmesi, Post Graduate, G.ŞENER(Student), 2017
SÖNMEZ O., Yarayışsız Halde Bulunan Toplam Fosforun Farklı Toprak Düzenleyiciler Kullanarak Bitkilere Yarayışlılığının Artırılması, Post Graduate, V.TURAN(Student), 2011
SÖNMEZ O., Mikoriza ve Farklı Demir Dozları Uygulamasının Çinko Toksisitesi Üzerine Etkileri, Post Graduate, S.İNAL(Student), 2009

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Erciyes Üniversitesi, September, 2020
Associate Professor Exam, Associate Professor Exam, Selçuk Üniversitesi, September, 2020
Post Graduate, Post Graduate, Harran Üniversitesi, May, 2020

Doctorate, Doctorate, Ankara Üniversitesi, May, 2020
Doctorate, Doctorate, Ankara Üniversitesi, March, 2020
Associate Professor Exam, Associate Professor Exam, Selçuk Üniversitesi, March, 2020
Associate Professor Exam, Associate Professor Exam, Doğu Akdeniz Tarımsal Araştırma, March, 2020
Associate Professor Exam, Associate Professor Exam, Iğdır Üniversitesi, August, 2019
Post Graduate, Post Graduate, Erciyes Üniversitesi, August, 2019
Associate Professor Exam, Associate Professor Exam, Osmaniye Korkut Ata Üniversitesi, August, 2019
Post Graduate, Post Graduate, Erciyes Üniversitesi, August, 2019
Doctorate, Doctorate, Erciyes Üniversitesi, June, 2019
Post Graduate, Post Graduate, Harran Üniversitesi, June, 2019
Doctorate, Doctorate, Erciyes Üniversitesi, June, 2019
Post Graduate, Post Graduate, Harran Üniversitesi, June, 2019
Post Graduate, Post Graduate, Erciyes Üniversitesi, June, 2019
Associate Professor Exam, Associate Professor Exam, Ege Üniversitesi, August, 2018
Associate Professor Exam, Associate Professor Exam, Adıyaman Üniversitesi, June, 2018
Associate Professor Exam, Associate Professor Exam, Ege Üniversitesi, May, 2018
Appointment Academic Staff, Appointment Academic Staff, Erciyes Üniversitesi, April, 2018
Doctorate, Doctorate, Erciyes University, February, 2018
Appointment Academic Staff, Appointment Academic Staff, Erciyes Üniversitesi, January, 2018
Appointment Academic Staff, Appointment Academic Staff, Erciyes Üniversitesi, January, 2018
Doctorate, Doctorate, Harran Üniversitesi, April, 2017
Doctorate, Doctorate, Harran Üniversitesi, November, 2016
Post Graduate, Post Graduate, Harran Üniversitesi, November, 2016
Post Graduate, Post Graduate, Harran Üniversitesi, March, 2016
Post Graduate, Post Graduate, Harran Üniversitesi, March, 2016
Post Graduate, Post Graduate, Harran Üniversitesi, March, 2016
Appointment Academic Staff, Appointment Academic Staff, Erciyes Üniversitesi, April, 2015
Appointment Academic Staff, Appointment Academic Staff, Erciyes Üniversitesi, October, 2011
Post Graduate, Post Graduate, Harran Üniversitesi, May, 2008
Post Graduate, Post Graduate, Harran Üniversitesi, February, 2007

Research Infrastructure Information

Sönmez O., Toprak Kirliliği ve Kimyası Laboratuvarı, January 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Managing Tillage Operation and Manure to Restore Soil Carbon Stocks in Wheat-Maize Cropping System**
Khan A., Fahad S., Khan A., Saud S., Adnan M., Wahid F., Noor M., Nasim W., Hammad H. M. , Bakhat H. F. , et al.
AGRONOMY JOURNAL, vol.111, pp.2600-2609, 2019 (Journal Indexed in SCI)
- **The Combined Effects of Nitric Oxide and Thiourea on Plant Growth and Mineral Nutrition of Salt-Stressed Plants of Two Maize Cultivars with Differential Salt Tolerance.**
Kaya C., Ashraf M., Sönmez O., Polat T., Tuna A. L.
Journal Of Plant Nutrition, vol.40, pp.1-8, 2019 (Journal Indexed in SCI)
- **Exogenous Application of Humic Acid Mitigates Salinity Stress in Maize (Zea mays L.) Plants by Improving some Key Physico-biochemical Attributes.**
KAYA C., AKRAM N., ASHRAF M., SÖNMEZ O.
Cereal Research Communications, vol.46, pp.67-78, 2018 (Journal Indexed in SCI Expanded)

● **Changes in Soil Phosphorus Fractions Resulting from Crop Residue Removal and Phosphorus Fertilizer**

Sönmez O., Pierzynski G. M.

COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.48, pp.929-935, 2017 (Journal Indexed in SCI)

● **THE EVALUATION OF DIFFUSIVE GRADIENTS IN THIN FILMS (DGT) AND CaCl₂ EXTRACTION ON PHOSPHORUS-ZINC INTERACTION IN SUDAN GRASS**

Sönmez O., Pierzynski G. M., Kaya C., Aydemir S.

PAKISTAN JOURNAL OF BOTANY, vol.48, pp.393-397, 2016 (Journal Indexed in SCI)

● **The effects of phosphorus addition on phytoavailability of zinc by diffusive gradients in thin films (DGT)**

Sönmez O., Pierzynski G., Kaya C., Aydemir S.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, pp.379-385, 2016 (Journal Indexed in SCI)

● **The effects of sulfur, cattle, and poultry manure addition on soil phosphorus**

Sönmez O., Turan V., Kaya C.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, pp.536-541, 2016 (Journal Indexed in SCI)

● **Promotive effect of exogenously applied thiourea on key physiological parameters and oxidative defense mechanism in salt-stressed *Zea mays* L. plants**

Kaya C., Ashraf M., SÖNMEZ O.

TURKISH JOURNAL OF BOTANY, vol.39, pp.786-795, 2015 (Journal Indexed in SCI)

● **Exogenous application of thiamin promotes growth and antioxidative defense system at initial phases of development in salt-stressed plants of two maize cultivars differing in salinity tolerance**

Kaya C., Ashraf M., SÖNMEZ O., Tuna A. L., Polat T., Aydemir S.

ACTA PHYSIOLOGIAE PLANTARUM, vol.37, 2015 (Journal Indexed in SCI)

● **Exogenously applied nitric oxide confers tolerance to salinity-induced oxidative stress in two maize (*Zea mays* L.) cultivars differing in salinity tolerance**

Kaya C., Ashraf M., Sönmez O., Tuna A. L., Aydemir S.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.39, pp.909-919, 2015 (Journal Indexed in SCI)

● **Exogenous application of mannitol and thiourea regulates plant growth and oxidative stress responses in salt-stressed maize (*Zea mays* L.)**

KAYA C., SÖNMEZ O., AYDEMİR S., ASHRAF M., DİKİLİTAŞ M.

JOURNAL OF PLANT INTERACTIONS, vol.8, pp.234-241, 2013 (Journal Indexed in SCI)

● **Regulation of growth and some key physiological processes in salt-stressed maize (*Zea mays* L.) plants by exogenous application of asparagine and glycerol**

Kaya C., Aydemir S., Sonmez O., Ashraf M., Dikilitas M.

ACTA BOTANICA CROATICA, vol.72, pp.157-168, 2013 (Journal Indexed in SCI)

● **COMPARISON OF THREE LABORATORY AND ONE REGRESSION KRIGING METHOD FOR QUANTITATIVE AND QUALITATIVE ASSESSMENT OF SOIL SALINITY IN THE HARRAN PLAIN, SE TURKEY**

BİLGİLİ V., AYDEMİR S., SÖNMEZ O., CULLU M. A.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, pp.1339-1350, 2013 (Journal Indexed in SCI)

● **Mitigation effects of glycinebetaine on oxidative stress and some key growth parameters of maize exposed to salt stress**

KAYA C., SÖNMEZ O., AYDEMİR S., DİKİLİTAŞ M.

TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.37, pp.188-194, 2013 (Journal Indexed in SCI)

● **The influence of arbuscular mycorrhizal colonisation on key growth parameters and fruit yield of pepper plants grown at high salinity**

KAYA C., ASHRAF M., SÖNMEZ O., Aydemir S., Tuna A. L., Cullu M. A.

SCIENTIA HORTICULTURAE, vol.121, pp.1-6, 2009 (Journal Indexed in SCI)

● **Mitigation effects of mycorrhiza on boron toxicity in wheat (*Triticum durum*) plants**

SÖNMEZ O., AYDEMİR S., KAYA C.

NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE, vol.37, pp.99-104, 2009 (Journal Indexed in SCI)

- **A field-based assessment tool for phosphorus losses in runoff in Kansas**
Sönmez O., Pierzynski G., Frees L., Davis B., Leikam D., Sweeney D. W., Janssen K. A.
JOURNAL OF SOIL AND WATER CONSERVATION, vol.64, pp.212-222, 2009 (Journal Indexed in SCI)
- **Mitigation Effects of Silicon on Maize Plants Grown at High Zinc**
KAYA C., TUNA L., SÖNMEZ O., Ince F., Higgs D.
JOURNAL OF PLANT NUTRITION, vol.32, pp.1788-1798, 2009 (Journal Indexed in SCI)
- **Determination of Zinc Phytoavailability in Soil by Diffusive Gradients in Thin Films**
Sönmez O., Kaya C., Aydemir S.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.40, pp.3435-3451, 2009 (Journal Indexed in SCI)
- **The assessment of tolerance to heavy metals (Cd,Pb and Zn) and their accumulation in three weed species**
Sönmez O., Bükün B., Kaya C., Aydemir S.
PAKISTAN JOURNAL OF BOTANY, vol.40, pp.747-754, 2008 (Journal Indexed in SCI)
- **Ameliorative effect of indigenous calcite on sodium-saturated clay systems**
AYDEMİR S., SÖNMEZ O.
SOIL SCIENCE, vol.173, pp.96-107, 2008 (Journal Indexed in SCI)
- **Phosphorus and manganese oxides effects on soil lead bioaccessibility: PBET and TCLP**
Sönmez O., Pierzynski G. M.
WATER AIR AND SOIL POLLUTION, vol.166, pp.3-16, 2005 (Journal Indexed in SCI)
- **Assessment of zinc phytoavailability by diffusive gradients in thin films**
Sonmez O., Pierzynski G.
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol.24, pp.934-941, 2005 (Journal Indexed in SCI)
- **Treatment of contaminated soil with phosphorus and manganese oxide reduces lead absorption by Sprague-Dawley rats**
HETTIARACHCHI G., PIERZYNSKI G., OEHME F., SÖNMEZ O., RYAN J.
JOURNAL OF ENVIRONMENTAL QUALITY, vol.32, pp.1335-1345, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Kükürt Uygulamalarına Bağlı Olarak Hıyar Bitkisinin (Cucumis Sativus L.) Antioksidant Enzim Aktivitesindeki Değişimler**
Güneş A., Sönmez O.
Journal of the Institute of Science and Technology, vol.9, pp.1186-1192, 2019 (Journal Indexed in ESCI)
- **Harran Ovasındaki Toprak Serilerinin Fosfor Fraksiyonları. . :**
Sönmez O., Saygan E.
Erciyes Üniversitesi Fen Bilimleri Dergisi, vol.34, pp.31-40, 2018 (Journal Indexed in ESCI)
- **Long term corn productivity and composition as a function of phosphorus fertilizer and crop residue removal**
Sönmez O., Pierzynski G.
JOURNAL OF SOIL AND NATURE, vol.8, pp.18-23, 2015 (Journal Indexed in ESCI)
- **Mikoriza ve Farklı Demir Dozları Uygulamasının Çinko Toksikitesi Üzerine Etkileri**
SÖNMEZ O., İNAL S.
Harran Üniversitesi Ziraat Fakültesi Dergisi, vol.15, pp.1-12, 2011 (Other Refereed National Journals)
- **Tarımsal Desteklemede toprak Kalitesi ve Önemi.**
BİLGİLİ V., AYDEMİR S., SÖNMEZ O., Kaya C.
Türk Tarım, pp.40-44, 2010 (Other Refereed National Journals)
- **Multivariate Geostatistical Methods for Mapping Soil Salinity.**
BİLGİLİ V., Çullu M. A., TURAN V., SÖNMEZ O., AYDEMİR S., Kaya C.
Anadolu Tarım Bilim. Derg, vol.25, pp.108-113, 2010 (Other Refereed National Journals)
- **Çinkonun Canlılar İçin Önemi ve Çinko Biyo Yarıyışlılığının Belirlenme Yöntemleri**

Sönmez O., Aydemir S., İnal S.

Harran Üniversitesi Ziraat Fakültesi Dergisi, vol.12, pp.69-76, 2008 (Other Refereed National Journals)

● **Kurşun ve Kurşun Biyo Alınabilirliğinin Belirlenmesi**

Sönmez O., Aydemir S., Saygan E.

Harran Üniversitesi Ziraat Fakültesi Dergisi, vol.11, pp.1-8, 2007 (Other Refereed National Journals)

● **The effects of commonly used chemical substances on water quality**

Aydemir S., Sönmez O., Sakin E.

Harran Üniversitesi Ziraat Fakültesi Dergisi, vol.9, pp.1-10, 2005 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

● **Remediation of Heavy Metal Contaminated Soils.**

SÖNMEZ O., ŞENKAYA N.

1st. International Erciyes Agriculture, Animal and Food Sciences Conference (AGANFOS-2019), Kayseri, Turkey, 24 - 27 April 2019

● **Biochar Application Effects on Eggplant (*Solanum melongena*) Growth and Soil Parameters under Saline and Non-Saline Soil Conditions**

AYDEMİR S., Özyavuz M., SÖNMEZ O., KAYA C., Yalçın H.

1st International Gobeklitepe Agriculture Congress, 25 - 27 November 2019

● **Determination of Some Soil and Fruit Characteristics of Pistachio (*Pistacia vera* L.) Gardens in Siirt**

AYDEMİR S., Demirpençe M., SÖNMEZ O.

1st International Gobeklitepe Agriculture Congress, 25 - 27 November 2019

● **Potential Use of Biomass Ash of Low pH Soils**

SÖNMEZ O., TURAN V., AYDEMİR S.

International Gobeklitepe Agriculture Congress, Şanlıurfa, Turkey, 25 - 27 November 2019

● **Potential Use of Argano-Minerals for Soil Amendment.**

SÖNMEZ O., TURAN V., AYDEMİR S.

1st. International Gobeklitepe Agriculture Congress, Şanlıurfa, Turkey, 25 - 27 November 2019

● **Effect of Reduced Chemical Fertilizer and Leonardite Application on Some Soil Properties and Yield of Cotton (*Gossypium spp.*) Plant**

AYDEMİR S., Demir M., SÖNMEZ O.

1st International Gobeklitepe Agriculture Congress, 25 - 27 November 2019

● **Effect of Zn Application on P / Zn Ratio in Plants**

GÜNEŞ A., SÖNMEZ O.

5th International Eurasian Congress on Natural Nutrition, Healthy Life Sport, 2 - 06 October 2019

● **Utilization Of Near Infrared Spectroscopy (NIRS) Technique To Determine Some Chemical Properties Of The Biochar Applied Saline And Non-Saline Soils**

AYDEMİR S., Aldemir B., BİLGİLİ A. V. , KAYA C., SÖNMEZ O., Saygan Ayaydın E. P.

10th International Soil Congress 2019, Successful Transformation toward Land Degradation Neutrality: Future Perspective, Ankara, Turkey, 17 - 19 June 2019, pp.368-373

● **Bitkilerde Dona Dayanım ve Bor Beslenmesi**

GÜNEŞ A., SÖNMEZ O.

International Congress on Agriculture and Animal Sciences, 7 - 09 November 2018

● **Toprak Fosforunun Yararışlılığının Artırılmasında Humik Asit, Tavuk Gübresi, Kükürt ve Magnezyum Sülfat Kullanımının Etkileri**

SÖNMEZ O.

International Congress on Agriculture and Animal Sciences, 7 - 09 September 2018

● **Fosfor Kirliliğinin Önlenmesinde Fosfor İndeksi Kullanımının Rolü ve Önemi**

SÖNMEZ O.

International Congress on Agriculture and Animal Sciences, 7 - 09 September 2018

● **The Effect of Different Doses of Sulphur on Soil pH.**

GÜNEŞ A., SÖNMEZ O.

International Eurasian Congress on Natural Nutrition and Healthy Life, 12 - 15 July 2018

● **The Effect of Sulfur Applied in Different Doses on Microbial Activity in Soil.**

GÜNEŞ A., SÖNMEZ O.

International Eurasian Congress on Natural Nutrition and Healthy Life, 12 - 15 July 2018

● **Effects of Humic Acid Applications on Chlorophyll Contents of Spinach Plants**

GÜNEŞ A., SÖNMEZ O.

International Eurasian Congress on Natural Nutrition and Healthy Life, 12 - 15 July 2018

● **Hümik Asit Uygulamasının Buğday Bitkisinin Hormon İçeriği Üzerine Etkisinin Belirlenmesi**

GÜNEŞ A., UZUN O., KITIR N., SÖNMEZ O., ÖZGÜL M., TURAN M., Tüfenkçi ş., ÇİMRİN K. M. , Subramanian j.

Uluslararası Avrasya Doğal Beslenme ve Sağlıklı Yaşam Zirvesi, Ankara, Turkey, 12 - 15 July 2018, pp.159-160

● **Phosphorus for Sustainable Agriculture**

SÖNMEZ O., GÜNEŞ A.

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Turkish Journal of Agriculture and Forestry, SCI Journal, October 2012
Turkish Journal of Agriculture and Forestry, SCI Journal, July 2012
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, SCI Journal, June 2012
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK-TOVAG, Turkey, June 2012
TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK-BİDEB, Turkey, March 2012
African Journal of Biotechnology, Journal Indexed in ESCI, September 2011
Turkish Journal of Agriculture and Forestry, SCI Journal, September 2011
TUBITAK Project, 1002 - Quick Support Program, TÜBİTAK-ÇAYDAG, Turkey, September 2011
PLANT SOIL AND ENVIRONMENT, SCI Journal, April 2008
The Scientific World JOURNAL , Journal Indexed in ESCI, March 2005

Scientific Consultations

ERÜ. Ziraat Fakültesi Doğal Yaşam Kulübü, Scientific Consultancy, Erciyes University, Seyrani Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, Turkey, 2020 - Continues

Tasks In Event Organizations

Sönmez O., 5. International Eurasian Congress on Natura Nutrition and Healthy Life 2019, Scientific Congress, Ankara, Turkey, Ekim 2019

Scientific Research / Working Group Memberships

Tarım Şurası, Erciyes University, Turkey, www.tarimsurasi, 2019 - Continues

Mezuniyet Değerlendirme Komisyonu, ERCİYES ÜNİVERSİTESİ, Turkey, 2016 - Continues

Kayseri İli Toprak Koruma Kurulu, ERCİYES ÜNİVERSİTESİ, Turkey,

<http://kayseri.tarim.gov.tr/Belgeler/Tar%C4%B1msal%20Altyap%C4%B1%20Faaliyetler/Toprak%20Koruma.pdf>, 2016 - Continues

Fakülte Kurulu Üyeliği, Erciyes University, Turkey, www.ziraat.erciyes.edu.tr, 2016 - Continues

Kalite Güvence Sistemi Komisyonu/Birim İç Değerlendirme Komisyonu, ERCİYES ÜNİVERSİTESİ, Turkey, 2017 - 2018

Akademik Kadrolara Atama ve Yükseltme Komisyonu, ERCİYES ÜNİVERSİTESİ, Turkey, 2016 - 2018

Invited Congress and Symposium Activities

International Congress on Agriculture and Animal Sciences. November 7-9, 2018, Alanya/ TURKEY, Audience, Antalya, Turkey, 2018

International Congress on Agriculture and Animal Sciences., Session Moderator, Antalya, Turkey, 2018

EURASIAN Natural Nutrition and Healty Life Congress. July 12-15, 2018, Ankara/ TURKEY, Working Group, Ankara, Turkey, 2018

Climate Change Impacts on Agriculture and Food Supply, Invited Speaker, Swabi, Pakistan, 2018

Climate Change Impacts on Agriculture and Food Supply, Session Moderator, Islamabad, Pakistan, 2018

1st International GAP Agriculture and Livestock Congress. April 25-27, 2018, Şanlıurfa/ TURKEY., Attendee, Şanlıurfa, Turkey, 2018

1st International Conference on Climate Change Impacts on Agriculture and Food Supply. April 24-26, 2018, Swabi University, Khyber Pakhtunkhwa/ PAKİSTAN., Attendee, Swabi, Pakistan, 2018

GUNES, A., SONMEZ, O., BEYZİ, E., UZUN, O., TURAN, M. 2017. Silajlık Mısır Bitkisinin Protein Oranı Üzerine Farklı Hüyük Asit Dozlarının Etkisi. 3rd ASM International Conference on Agriculture and Environment, Attendee, Antalya, Turkey, 2017

Identification of Site Vulnerability for Phosphorus. III. International Conference on Environmental Science and Technology (ICOEST)'. Budapest, Macaristan, Attendee, Budapest, Hungary, 2017

SONMEZ, O., KAYA, C., ŞAHAN, S., GUNES, A. 2017. Some Soil Physical and Chemical Properties in Harran Plain.

International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF)', Attendee, Turkey, 2017

8. SONMEZ, O., KAYA, C., GUNES, A., ŞAHAN, S. 2017. Total and Bioavailable Phosphorus in Harran Plain. International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF)', Attendee, Turkey, 2017

Comparisons of Agricultural Incidents during Urbanization 'Urbanization: a challenge and an opportunity for soil functions and ecosystem services'. 9th International Congress Soils of Urban Industrial Traffic Mining and Military Areas (SUITMA 9). Moscow, RUSYA, Attendee, Moscow, Russia, 2017

TURAN, V., SONMEZ, O. 2017. Urban Transformation and Reduction of The Use of Agricultural land in Urbanization 'Urbanization: a challenge and an opportunity for soil functions and ecosystem services'. 9th International Congress

Soils of Urban Industrial Traffic Mining and Military Areas (SUITMA 9), Attendee, Moscow, Russia, 2017

SONMEZ, O., ŞENER GÜZEL, G., TURAN, V., GUNES, A., ŞAHAN, S., BASARAN, M. 2017. Determination of Some Soil Parameters by Geostatistical Techniques in Harran Plain. Ecology 2017 International Symposium', Attendee, Turkey, 2017

ŞAHAN, S., SONMEZ, O., ŞAHİN, U., BAŞARAN, M., UZUN, O. 2017. Ion Chromatographic Determination of Nitrate Pollutant in Drinking Water Samples. Ecology 2017 International Symposium', Attendee, --Seçiniz--, Turkey, 2017

Determination of The Effects of Humic Acid Applications on Heavy Metal Contents of Soil. Ecology 2017 International Symposium', Attendee, Kayseri, Turkey, 2017

II. International Conference on Sustainable Development. October 18-23, 2016, Skopje/ MACEDONIA, Session Moderator, Skopje, Macedonia, 2016

SONMEZ, O. Effects of Soil Chemical and Physical Properties on Total and Available Phosphorus (P) in Soil. Poster. 6th International Chemistry Conference. November 8-10, 2016, Riyadh/ SAUDI ARABIA., Attendee, Ar-Riyâd, Saudi Arabia, 2016

SONMEZ, O. Effects of Tillage and Phosphorus Rates on Wheat Yield and Soil P (Oral presentation). II. International Conference on Sustainable Development. October 18-23, 2016, Skopje/ MACEDONIA, Attendee, Skopje, Macedonia, 2016

SONMEZ, O. Phosphorus Losses Influenced by Irrigation Efficiency, Tillage, and Phosphorus Rate (Oral presentation). II. International Conference on Sustainable Development. October 18-23, 2016, Skopje/ MACEDONIA, Attendee, Skopje, Macedonia, 2016

KAYA, C., ASHRAF, M., SENBAYRAM, M., and SONMEZ, O. Aminolevulinic acid improves salinity-induced photo- protection mechanisms in two corn differing cultivars in salinity tolerance Deutschen Gesellschaft für Pflanzenernährung (DGP) Tagung 2015. Boden, Nährstoffe, Wasser- Forschung für die nachhaltige und effiziente Nutzung von Ressourcen 17.-18. September 2015, Göttingen/ GERMANY, Attendee, Göttingen, Germany, 2015

AYDEMİR, S., ARI, H., SONMEZ, O., KAYA, C., SAYGAN, E.P., and ALTUN, O. 2014. Biochar effects on saline and non-saline soil properties of the Harran Plain Southeastern Turkey. Oral Presentation. 9th International Soil Science Congress on 'The Soul of Soil and Civilization'. October 14-16, 2014, Side, Antalya/ TURKEY, Attendee, Side-Antalya, Turkey, 2014

KAYA, C., SONMEZ, O., ASHRAF, M., and TUNA, L. 2014. Regulation of growth and some vital physiological processes in salt stressed maize (*Zea mays* L.) plants by exogenous application of plant growth compounds. Oral Presentation. 9th International Soil Science Congress on 'The Soul of Soil and Civilization'. October 14-16, 2014, Side, Antalya/ TURKEY., Attendee, Turkey, 2014

TURAN, V., and SONMEZ, O. 2014. Effects of different soil amendments on total phosphorus availability. Oral Presentation. 9th International Soil Science Congress on 'The Soul of Soil and Civilization'. October 14-16, 2014, Side, Antalya/ TURKEY., Attendee, Turkey, 2014

KAYA, C., SONMEZ, O., AYDEMİR, S, and TUNA, A.L. 2012.. The use of some organic and inorganic substances to reduce phosphorus fixation in calcareous soils. Oral Presentation (Nutrient Management for Soil Sustainability Food Security and Human Health Section). 8th International Soil Science Congress on 'Land Degradation and Challenges in Sustainable Soil Management'. May 15-17, 2012, Çeşme-İzmir/ TURKEY., Attendee, Çeşme-İzmir/ TURKEY., Turkey, 2012

8th International Soil Science Congress on 'Land Degradation and Challenges in Sustainable Soil Management'. May 15-17, 2012, Çeşme-İzmir/ TURKEY., Session Moderator, İzmir, Turkey, 2012

AYDEMİR, S., SAYGAN, E.P., SONMEZ, O., and BİLGİLİ, A.V. 2012. Effect of Biochars on Salinity Stress on Germination and Seedling Properties of Drum Wheat (*T. Drum Desf.*) Oral Presentation (Land Degradation, Remediation, and Reclamation Section). 8th International Soil Science Congress on 'Land Degradation and Challenges in Sustainable Soil Management'. May 15-17, 2012, Çeşme-İzmir/ TURKEY., Attendee, Turkey, 2012

Kerem GÜNGÖR, Nusret KARAKAYA, Fatih EVRENDİLEK, Duran KARAKAŞ, Suat AKGÜL, Oğuz BAŞKAN, Hicrettin CEBEL and Osman SÖNMEZ. 2011 Using Soil Olsen Phosphorus Levels as a Screening Tool for Determination of Potential Critical Source Areas: Yeniçağa Watershed Case Study (Bolu, Turkey). 1st International Conference on Sustainable Watershed Management. 19-23 September 2011 Istanbul-TURKEY, Attendee, Turkey, 2011

Kerem GÜNGÖR, Nusret KARAKAYA, Fatih EVRENDİLEK, Duran KARAKAŞ, Suat AKGÜL, Oğuz BAŞKAN, Hicrettin CEBEL and Osman SÖNMEZ. 2011. Phosphorus Budget and Sediment Phosphorus Release Dynamics of a Shallow Lake: Lake Yeniçağa (Bolu, Turkey). 1st International Conference on Sustainable Watershed Management. 19-23 September 2011 Istanbul-TURKEY, Attendee, Turkey, 2011

BİLGİLİ, A.V, SÖNMEZ, O., AKIŞ, R., AYDEMİR, S. 2008. Geostatistical analysis of a water well field for determination of

land management constraints, 19th. International Soil Meeting on Soil Fertility Land Management and Agroclimatology. Turkey, p: 1033-1046. Soil Science Society of Turkey Meetings. Sanliurfa-TURKEY., Attendee, Turkey, 2008

AYDEMİR, S., M.A. ÇULLU, POLAT, T., O. SONMEZ, M. DIKİLİTAS, AKIL, H. 2008. Tuzlanma Etkisinde kalan Şanlıurfa-Harran Ovası topraklarının kullanım durumları ve iyileştirilebilme olanakları..Sulama-Tuzlanma Konferansı. DSİ XV. Bölge Müdürlüğü, Sayfa, 45-62. 12-13 Haziran, Şanlıurfa., Attendee, Turkey, 2008

SONMEZ, O and S. AYDEMİR. 2006. Environmental Risk of Phosphorus and Management Strategies. An Overview. Proceedings. Vol.II. 528-533. 18th. International Soil Meeting (ISM) on Soil Sustaining Life on Earth, Managing Soil and Technology. Soil Science Society of Turkey Meetings. Sanliurfa-TURKEY., Attendee, Turkey, 2006

SONMEZ, O and S. AYDEMİR. 2006 Assessment of Site Vulnerability to P Losses. An Overview. Proceedings. Vol.II. 577-583. 18th. International Soil Meeting (ISM) on Soil Sustaining Life on Earth, Managing Soil and Technology. Soil Science Society of Turkey Meetings Sanliurfa-TURKEY., Attendee, Turkey, 2006

AYDEMİR, S., M.A. ÇULLU, O. SONMEZ, M. DIKİLİTAS. 2005. Şanlıurfa Harran Ovasındaki Tuzlu ve Tuzlu-Sodik Topraklar ve Muhtemel Oluşum Mekanizmaları. II. Ulusal Sulama Sistemleri Sempozyumu ve Sergisi. DSİ Genel Müdürlüğü, Kasım 07-09. Ankara., Attendee, Turkey, 2005

SONMEZ, O. and G.M. PIERZYNSKI. 2003. Assessment of Bioavailability of Zinc by Diffusive Gradients in Thin Films (DGT). Poster Presentation (S-11, Board Number: 1631). Soil Science Society of America Annual Meetings. Denver, CO-USA, Attendee, Turkey, 2003

SONMEZ, O., G.M. PIERZYNSKI, B. DAVIS. 2002. A Field Assessment Tool for Phosphorus Losses in Runoff in Kansas. Poster Presentation (S-11, Board Number:1422). Soil Science Society of America Annual Meetings, Indianapolis, IN-USA., Attendee, Turkey, 2002

SONMEZ, O. and G.M. PIERZYNSKI. 2001. Effects of Phosphorus and Manganese Oxides on Soil Lead Bioavailability. Poster Presentation (S-11, Board Number: 1408). Soil Science Society of America Annual Meetings. Charlotte, NC- USA., Attendee, Turkey, 2001

PIERZYNSKI G.M, HETTIARACHCHI G, OEHME F, SONMEZ O. 2001. In situ stabilization of soil lead using phosphorus and other soil amendments. Abstracts of papers of the American Chemical Society 222: U67-U68 95-AGRO Part 1, AUG 2001., Attendee, Turkey, 2001

HETTIARACHCHI G., PIERZYNSKI G.M, OEHME F, SONMEZ O. 2001. Absorption of lead from a contaminated soil treated with phosphorus and manganese oxides by Sprague-Dawley rats. 6. International Conference on The Biogeochemistry of Trace Elements., Attendee, Turkey, 2001

BROHI, A.R., A.AKTAS, O. SONMEZ, and E. SAVASLI. 1996. Effects of Poultry Manure and Straw on some agronomic parameters, yield and NPK content of wheat crop grown under climatic conditions of Nevşehir region. European Society for New Methods in Agricultural Research: ESNA XXVI. Annual Meeting and International Union of Radioecologists (IUR) Working Group Soil - to - Plant Transfer Annual Meeting. September 12-16., Attendee, Turkey, 1996

Citations

Total Citations (WOS):428

h-index (WOS):11

Invited Talks

Phosphorus Pollution in Soil and Phosphorus-Index in Climate Change. Swabi, PAKİSTAN, Conference, Karaçi Üniversitesi, Pakistan, April 2018

Scholarships

YURTDIŞI DOKTORA, Ministry of Education, 1999 - 2004

The Irvin D. And Dora Mae Atkins Graduate Scholarship, Official Institutions of Foreign Countries, 2003 - 2003

The Ray I Trockmorton Graduate Scholarship., Official Institutions of Foreign Countries, 2002 - 2002
The Irvin D. And Dora Mae Atkins Graduate Scholarship, Official Institutions of Foreign Countries, 2001 - 2001
The Irvin D. And Dora Mae Atkins Graduate Scholarship., Official Institutions of Foreign Countries, 2000 - 2000
YURTDIŐI YÜKSEK LİSANS, Ministry of Education, 1996 - 1998
DEVLET PARASIZ YATILI LİSE EĐİTİMİ, Ministry of Education, 1984 - 1988

Awards

Sönmez O., Bilimsel Projelerde Başarı Ödülü, Erciyes Üniversitesi, January 2020
Sönmez O., Yüksek Akademik Teşvik Ödülü, Erciyes Üniversitesi, January 2019
Sönmez O., Bilimsel Projelerde Başarı Ödülü, Erciyes Üniversitesi, January 2019
Sönmez O., The Irvin D. And Dora Mae Atkins Graduate Scholarship. Kansas State University Department of Agronomy, USA, Kansas State University, May 2003
Sönmez O., The Ray I Trockmorton Graduate Scholarship. Kansas State University Department of Agronomy, USA, Kansas State University, May 2002
Sönmez O., The Irvin D. And Dora Mae Atkins Graduate Scholarship. Kansas State University Department of Agronomy, USA, Kansas State University, May 2001
Sönmez O., The Irvin D. And Dora Mae Atkins Graduate Scholarship. Kansas State University Department of Agronomy, USA, Kansas State University, June 2000
Sönmez O., Burslu Yurtdışı Doktora, Milli Eğitim Bakanlığı, January 1999
Sönmez O., Yurtdışı Yüksek Lisans , Milli Eğitim Bakanlığı, June 1995
SÖNMEZ O., BÖLÜM BİRİNCİLİĐİ, CUMHURİYET ÜNİVERSİTESİ TOKAT ZİRAAT FAKÜLTESİ, June 1994
Sönmez O., Parasız Yatılı Ziraat Meslek Lisesi Eđitimi, Milli Eğitim Bakanlığı, June 1984