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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Dr), Turkey 1989 - 1994

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Yl) (Tezli), Turkey 1987 - 1989

Undergraduate, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, Turkey 1982 - 1986

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Ankara koşullarında yetiştirilen ıspanak bitkisine uygulanan azotlu gübrelerin verim ve nitrat birikimi üzerine etkisi, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Dr), 1994

Postgraduate, Mısır bitkisinde demir noksanlığının giderilmesinde nitrifikasyon inhibasyonunun etkisi, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Yl) (Tezli), 1989

Research Areas

Soil and Plant Feed

Academic and Administrative Experience

Head of Department, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2021 - Continues

Ankara University, 2015 - Continues

Ankara University, 2005 - 2010

Courses

Doctorate

Tarımsal Ekosistemlerde Stres Fizyolojisi, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Postgraduate

Stres Fizyolojisi, Postgraduate, 2023 - 2024, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015

Bitkilerde beslenme bozuklukları, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2004 - 2005

Yetiştirme Ortamlarında Bitki Beslenme Bozuklukları, Postgraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

Tarımsal Ekosistemlerde Stres Fiz., Postgraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

Undergraduate

Hidroponik Teknolojisi, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Bitki Fizyolojisi, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Bitki Besleme ve Gübreleme, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015

Bitki Besleme Gübreleme, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Supervised Theses

Güneş A., Bor Kaplamalı Taban ve Üst Gübrelerin Şeker Pancarı Bitkisinin Gelişimi ile Fosfor, Azot ve Bor Beslenmesi Üzerine Etkisi, Doctorate, B.AYDOĞAN(Student), 2024

Güneş A., Nano Silisyumun Makarnalık Buğdayda Kuraklık Stresi Üzerine Etkilerinin Fizyolojik Ve Biyokimyasal Parametrelerle Belirlenmesi, Postgraduate, Ş.ÖZTÜRK(Student), 2023

Güneş A., Yorgun ve Yorgun Olmayan Toprakta Yetiştirilen Mısır Bitkisinin Fosfor Etkinliğine Nano Silisyumun Etkisi, Postgraduate, O.KARABOYA(Student), 2023

Güneş A., ATIK KOYUN YÜNÜNDEN HAZIRLANAN ALKALİN HİDROLİZATIN MISIR BİTKİSİNİN BESLENMESİNE VE GELİŞİMİNE ETKİSİ, Postgraduate, B.KABAL(Student), 2023

Güneş A., BUĞDAY VE ARPA DA TUZ VE BOR TOKSİSİTESİ TOLERANSINA NANO-SİLİSYUMUN ETKİSİ, Postgraduate, G.GÖNÇ(Student), 2023

GÜNEŞ A., Buğday yetiştiriciliğinde fosforlu gübrelerden yararlanma oranının artırılma stratejileri; I-nano fosforlu gübre; II-biyokömür ile kaplı fosforlu gübre; III-geç dönemde yapraktan fosforlu gübreleme, Doctorate, H.TAŞKIN(Student), 2021

Güneş A., Nano-kalsiyum borat formunda uygulanan borun ayçiçeği bitkisinin gelişimi ile bor alımına etkisi, Postgraduate, B.AYDOĞAN(Student), 2021

GÜNEŞ A., Buğday Yetiştiriciliğinde Alternatif Taban ve Üst Gübrelerin Geliştirilmesi, Doctorate, T.AYŞE(Student), 2020

GÜNEŞ A., The development of foliar iron fertilization strategies on iron biofortification in wheat grain, Doctorate, M.BURAK(Student), 2020

GÜNEŞ A., MM106 ve M9 anaçları üzerine aşılı bazı elma (Malus domestica Borkh.) çeşitlerinin kireç kökenli kloroza toleransları ve oksidatif strese tepkilerinin belirlenmesi, Doctorate, Ö.ŞAHİN(Student), 2015

GÜNEŞ A., Fasulye (Phaseolus vulgaris L.) bitkisinin alüminyum içeriği üzerine tavuk gübresi uygulamasının etkisi, Postgraduate, M.BURAK(Student), 2012

GÜNEŞ A., Deniz suyu ile sulama olanakları ve silisyumun golf alanlarında paspalum çiminin (Paspalum vaginatum Swartz) Performansına etkisi, F.ŞEN(Student), 2011

GÜNEŞ A., Deniz suyu ile sulama olanakları ve silisyumun golf alanlarında Paspalum (Paspalum vaginatum Swartz) çiminin performansına etkisi, Doctorate, F.ŞEN(Student), 2011

GÜNEŞ A., Nohut (Cicer arietinum L.) çeşitlerinde kuraklığa bağlı oksidatif stresin fizyolojik ve biyokimyasal parametrelerle belirlenmesi, Doctorate, E.GÜNERİ(Student), 2010

GÜNEŞ A., Farklı asma anaçları üzerine aşılı sultani çekirdeksiz (Vitis vinifera L.) üzüm çeşidinin bor ve tuz stresine tolerans mekanizmalarının stresle ilgili fizyolojik parametreler ve antioksidan enzimlerle belirlenmesi, Postgraduate, Ö.ŞAHİN(Student), 2009

GÜNEŞ A., Asma anaçlarında (Vitis sp.) bor ve tuz stresine tolerans mekanizmalarının stresle ilgili fizyolojik parametreler ve antioksidan enzimlerle belirlenmesi, Postgraduate, S.ERSÖZ(Student), 2009

GÜNEŞ A., Nohut genotiplerinde kuraklığa bağlı fizyolojik parametreler ve mineral beslenme üzerine salisilik asitin etkisi, Postgraduate, S.SENCAN(Student), 2007

GÜNEŞ A., Mercimek (*Lens culinaris Medik. cvs*) çeşitlerinde fosfor etkinliğinin kuraklığa tolerans üzerine etkisi, Postgraduate, T.GÜZELORDU(Student), 2007

GÜNEŞ A., Kurağa dayanıklı buğday (*Triticum aestivum L.*) ıslahında seleksiyon kriteri olabilecek fizyolojik parametrelerin araştırılması, Doctorate, C.ÇEKİÇ(Student), 2007

GÜNEŞ A., Buğday genotiplerinde yaprak beneği toleransına klorlu gübrelemenin etkisi, Postgraduate, E.HARTAVI(Student), 2003

GÜNEŞ A., Fosforun domates (*Lycopersicon esculentum L.*) bitkisinde bor toksisitesine etkisi, Postgraduate, M.SOY(Student), 2002

GÜNEŞ A., NFT sistemde yetiştirilen domates bitkisinin farklı gelişim dönemlerinde besin maddesi ihtiyacının belirlenmesi, Postgraduate, C.MUTLU(Student), 2002

GÜNEŞ A., Belek yöresi golf alanlarında bermuda (*cynodon dactylon L. C. Rich.*) ve zoysia (*Zoysia Japonica Wild*) çimlerinin tuzluluğa hassasiyetleri, Postgraduate, F.ŞEN(Student), 2001

GÜNEŞ A., NFT sistemde yetiştirilen çilek (*Fragaria sp.*) bitkisinin azot, fosfor ve potasyum ihtiyacının belirlenmesi, Postgraduate, Z.YILMAZ(Student), 1999

GÜNEŞ A., Akdeniz bölgesi seralarında yetiştirilen domates, biber, salatalık ve patlıcan bitkilerinin mikroelement beslenmesi, Postgraduate, M.KEÇECİ(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Transforming Biomass Energy Waste into Innovative Fertilizer: Impact of Poultry Litter Incineration Ash-Based Fertilizer on Sugar Beet Nutrition, Yield, and Quality**
GÜNEŞ A., TAŞKIN M. B., ŞAHİN Ö., DENİZ YAĞCIOĞLU K., KADIOĞLU Y. K., Tugrul M., Abaci A. Y., Altunbay G., Eser U.
SUGAR TECH, vol.27, no.2, pp.608-620, 2025 (SCI-Expanded)
- II. **Valorization of Sheep Wool: Impact of Keratin Hydrolysate on the Growth and Mineral Nutrition of Lettuce, Spinach, and Radish Plants**
ŞAHİN Ö., DENİZ YAĞCIOĞLU K., KADIOĞLU Y. K., ÖZTÜRK H. S., GÜNEŞ A.
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, 2025 (SCI-Expanded)
- III. **Exploring the impact of rice husk biochar on oxidative mechanisms and salt stress tolerance in lettuce plants**
Şahin Ö., Gunes A., Yagcioglu K., Kadioglu Y. K.
Journal of Plant Nutrition, vol.48, no.4, pp.607-616, 2025 (SCI-Expanded)
- IV. **Valorization of Poultry Litter Incineration Ash as a Sustainable and Balanced Fertilizer Source**
Kan S., Yilmaz F. G., Yagcioglu K. D., KADIOĞLU Y. K., Gezgin S., GÜNEŞ A., TAŞKIN M. B.
Journal of Soil Science and Plant Nutrition, vol.24, no.4, pp.7570-7580, 2024 (SCI-Expanded)
- V. **The Importance of Acidified Biochar as a Sustainable Phosphorus Source and its Role in Balanced Nutrition for Spinach (*Spinacia oleracea L.*)**
ŞAHİN Ö., Yagcioglu K., KADIOĞLU Y. K., GÜNEŞ A.
Journal of Soil Science and Plant Nutrition, vol.24, no.4, pp.8035-8045, 2024 (SCI-Expanded)
- VI. **Evaluating Ecological Nano-Calcium from Eggshells: Effects on Calcium Nutrition and Oxidative Stress in Lettuce Under Saline and Boron Toxicity**
ŞAHİN Ö., Yagcioglu K., KADIOĞLU Y. K., GÜNEŞ A.
Journal of Plant Growth Regulation, vol.43, no.12, pp.4416-4425, 2024 (SCI-Expanded)
- VII. **Recycling and optimization of poultry manure incineration ash as a source of phosphorus and balanced mineral fertilization**
Güneş A., Kan S., Taşkın M. B., Yilmaz F. G., Yagcioglu K., Kadioğlu Y. K., Akça H., Gezgin S.
Journal of Material Cycles and Waste Management, vol.26, no.6, pp.3509-3524, 2024 (SCI-Expanded)
- VIII. **Mitigating Combined Boron and Salt Stress in Lettuce (*Lactuca Sativa* L. Semental) through Salicylic Acid-Modified Rice Husk Biochar**

ŞAHİN Ö., GÜNEŞ A., DENİZ YAĞCIOĞLU K., KADIOĞLU Y. K.

JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, vol.24, no.3, pp.5220-5234, 2024 (SCI-Expanded)

- IX. **Environmental and Innovative Fertilizer Development Strategies for Wheat Cultivation: Urea-Doped Hydroxyapatite, Biochar-Coated Diammonium Phosphate, and Biochar-Coated Urea in Basal and Top Dressing**
Kardes T. A., GÜNEŞ A.
Journal of Soil Science and Plant Nutrition, vol.24, no.2, pp.2064-2079, 2024 (SCI-Expanded)
- X. **Green Synthesis of Biogenic Nano-Silicon From Rice Husk and Its Effect on Combined Boron and Salinity Stress Tolerance of Barley and Wheat**
Gonc G., GÜNEŞ A., AKÇA H., TAŞKIN M. B.
Journal of Soil Science and Plant Nutrition, vol.24, no.1, pp.252-262, 2024 (SCI-Expanded)
- XI. **Strontium biofortification in soil and hydroponic grown tomato and lettuce**
Şahin Ö., Babar S. K., Deniz Yağcıoğlu K., Kadioğlu Y. K., Güneş A.
JOURNAL OF PLANT NUTRITION, vol.47, no.9, pp.1456-1463, 2024 (SCI-Expanded)
- XII. **Investigation of the time-dependent presence and residual effects of nanohydroxyapatite and diammonium phosphate in a barley-barley-maize-maize cropping system**
GÜNEŞ A., TAŞKIN M. B., Taskin H., AKÇA H., Kan S., Babar S. K.
JOURNAL OF PLANT NUTRITION, vol.47, no.9, pp.1513-1526, 2024 (SCI-Expanded)
- XIII. **Primary and residual impacts of phosphoric acid modified biochar on growth and concentrations of essential and non-essential elements in lettuce and second crop arugula**
Şahin Ö., Gunes A., Deniz K., Kadioglu Y. K., İnal A.
Journal of Plant Nutrition, vol.47, no.13, pp.2134-2148, 2024 (SCI-Expanded)
- XIV. **The effect of phosphorus fertilizer under the influence of iron and zinc treatments on nutrient content and lettuce yield**
AKÇA H., TAŞKIN M. B., GÜNEŞ A., İNAL A.
Journal of Plant Nutrition, vol.47, no.5, pp.750-761, 2024 (SCI-Expanded)
- XV. **Nitrate accumulation and mineral nutrition of lettuce under varied light emitting diode lighting**
Seyrek G. C., ŞAHİN Ö., DEMİR K., GÜNEŞ A.
Journal of Plant Nutrition, 2024 (SCI-Expanded)
- XVI. **Exploring the Impact of Phosphorus Application on Boron Toxicity Tolerance in Maize and Sunflower Under Aerobic Conditions, and Rice Under Anaerobic Conditions**
TAŞKIN M. B., Taskin H., AKÇA H., Kan S., Kardes T. A., GÜNEŞ A.
Communications in Soil Science and Plant Analysis, vol.55, no.14, pp.2117-2125, 2024 (SCI-Expanded)
- XVII. **Waste Sheep Wool and Its Hydrolysate as a Nutritional Support for Sugar Beet**
AKÇA H., TAŞKIN M. B., Tugrul M., Babar S. K., GÜNEŞ A.
Sugar Tech, vol.25, no.6, pp.1566-1577, 2023 (SCI-Expanded)
- XVIII. **Phosphorus Makes Silicon Fertilization Mandatory: Effect of Nano-Silicon on the One-Sided Antagonisms of Phosphorus Fertilization in Wheat–Maize and Maize-Maize Cropping System**
AKÇA H., TAŞKIN M. B., GÜNEŞ A.
Journal of Soil Science and Plant Nutrition, vol.23, no.4, pp.5070-5083, 2023 (SCI-Expanded)
- XIX. **Synthetic nano-hydroxyapatite as an alternative phosphorus source for wheat grown under field conditions**
Taskin H., GÜNEŞ A.
JOURNAL OF PLANT NUTRITION, vol.46, no.15, pp.3653-3666, 2023 (SCI-Expanded)
- XX. **Effect of Synthetic Nano-Calcium Borate as an Alternative Boron Fertilizer on the Growth and Boron Utilization of Sunflower Plant**
Aydogan B., TAŞKIN M. B., GÜNEŞ A.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.54, no.16, pp.2205-2214, 2023 (SCI-Expanded)
- XXI. **Silicon-Phosphate Obtained from Rice Husk: a Sustainable Alternative to Phosphate Fertilizer Evaluated for Barley and Maize in Different Soils**
TAŞKIN M. B., AKÇA H., Kan S., Taskin H., DENİZ YAĞCIOĞLU K., KADIOĞLU Y. K., Nikolić M., Cakmak I., GÜNEŞ A.

- Journal of Soil Science and Plant Nutrition, vol.23, no.3, pp.3186-3196, 2023 (SCI-Expanded)
- XXII. **Phosphorus-Enriched Rice Husk Biochar Affected Growth and Mineral Nutrition of Wheat and Its Residual Effects on Maize Production**
ŞAHİN Ö., GÜNEŞ A., Babar S. K., DENİZ K., KADIOĞLU Y. K., Ozturk S., İNAL A.
Journal of Soil Science and Plant Nutrition, vol.23, no.3, pp.3085-3094, 2023 (SCI-Expanded)
- XXIII. **Evaluating the comparative effects of acid modified rice husk and nano-silicon derived from rice husk on phosphorus use efficiency in wheat and lettuce plants with differing silicon contents**
TAŞKIN M. B., AKÇA H., Babar S. K., KADIOĞLU Y. K., DENİZ K., Kan S., GÜNEŞ A.
Journal of Plant Nutrition, vol.46, no.10, pp.2329-2341, 2023 (SCI-Expanded)
- XXIV. **Iron Biofortification of Wheat Grains by Foliar Application of Nano Zero-valent Iron (nZVI) and Other Iron Sources with Urea**
Taşkın M. B., Güneş A.
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, vol.22, no.4, pp.4642-4652, 2022 (SCI-Expanded)
- XXV. **Effect of Acid Modified Biochar on the Growth and Essential and Non-Essential Element Content of Bean, Chickpea, Soybean, and Maize Grown in Calcareous Soil**
TAŞKIN M. B., KADIOĞLU Y. K., ŞAHİN Ö., İNAL A., GÜNEŞ A.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.50, no.13, pp.1604-1613, 2019 (SCI-Expanded)
- XXVI. **Effect of synthetic nano-hydroxyapatite as an alternative phosphorus source on growth and phosphorus nutrition of lettuce (*Lactuca sativa* L.) plant**
TAŞKIN M. B., ŞAHİN Ö., Taskin H., ATAKOL O., İNAL A., GÜNEŞ A.
JOURNAL OF PLANT NUTRITION, vol.41, no.9, pp.1148-1154, 2018 (SCI-Expanded)
- XXVII. **Effect of acid modification of biochar on nutrient availability and maize growth in a calcareous soil**
ŞAHİN Ö., Taskin M. B., Kaya E. C., Atakol O., Emir E., Inal A., Gunes A.
SOIL USE AND MANAGEMENT, vol.33, no.3, pp.447-456, 2017 (SCI-Expanded)
- XXVIII. **Investigation of responses of some apple (*Malus x domestica* Borkh.) cultivars grafted on MM106 and M9 rootstocks to lime-induced chlorosis and oxidative stress**
ŞAHİN Ö., GÜNEŞ A., TAŞKIN M. B., İNAL A.
SCIENTIA HORTICULTURAE, vol.219, pp.79-89, 2017 (SCI-Expanded)
- XXIX. **Variations in mineral element concentrations of poultry manure biochar obtained at different pyrolysis temperatures, and their effects on crop growth and mineral nutrition**
Gunes A., Inal A., ŞAHİN Ö., Taskin M. B., Atakol O., Yilmaz N.
SOIL USE AND MANAGEMENT, vol.31, no.4, pp.429-437, 2015 (SCI-Expanded)
- XXX. **Impacts of biochar and processed poultry manure, applied to a calcareous soil, on the growth of bean and maize**
Inal A., Gunes A., ŞAHİN Ö., Taskin M. B., Kaya E. C.
SOIL USE AND MANAGEMENT, vol.31, no.1, pp.106-113, 2015 (SCI-Expanded)
- XXXI. **COMPARATIVE PHYSIOLOGICAL AND GROWTH RESPONSES OF TOMATO AND PEPPER PLANTS TO FERTILIZER INDUCED SALINITY AND SALT STRESS**
Eraslan F., İNAL A., GÜNEŞ A., Alpaslan M., ATIKMEN N. Ç.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.5A, pp.1774-1778, 2015 (SCI-Expanded)
- XXXII. **Effect of phosphorus-enriched biochar and poultry manure on growth and mineral composition of lettuce (*Lactuca sativa* L. cv.) grown in alkaline soil**
Gunes A., Inal A., Taskin M. B., ŞAHİN Ö., Kaya E. C., Atakol A.
SOIL USE AND MANAGEMENT, vol.30, no.2, pp.182-188, 2014 (SCI-Expanded)
- XXXIII. **ELEMENTAL COMPOSITION OF PEPPER PLANTS FERTILIZED WITH PELLETIZED POULTRY MANURE**
ŞAHİN Ö., TAŞKIN M. B., KADIOĞLU Y. K., İNAL A., Pilbeam D. J., GÜNEŞ A.
JOURNAL OF PLANT NUTRITION, vol.37, no.3, pp.458-468, 2014 (SCI-Expanded)
- XXXIV. **Influence of chloride and bromate interaction on oxidative stress in carrot plants**
ŞAHİN Ö., TAŞKIN M. B., KADIOĞLU Y. K., İNAL A., GÜNEŞ A., Pilbeam D. J.
SCIENTIA HORTICULTURAE, vol.137, pp.81-86, 2012 (SCI-Expanded)
- XXXV. **Essential and non-essential element composition of tomato plants fertilized with poultry manure**

- Demir K., ŞAHİN Ö., Kadioglu Y. K., Pilbeam D. J., Gunes A.
SCIENTIA HORTICULTURAE, vol.127, no.1, pp.16-22, 2010 (SCI-Expanded)
- XXXVI. **Combined effect of arsenic and phosphorus on mineral element concentrations of sunflower**
Güneş A., İnal A., Güneri E., Kadioğlu Y. K.
Communications in Soil Science and Plant Analysis, vol.41, no.3, pp.361-372, 2010 (SCI-Expanded)
- XXXVII. **MINERAL ELEMENT DISTRIBUTION AND ACCUMULATION PATTERNS WITHIN TWO BARLEY CULTIVARS**
Birsin M., ADAK M. S., İNAL A., Aksu A., GÜNEŞ A.
JOURNAL OF PLANT NUTRITION, vol.33, no.2, pp.267-284, 2010 (SCI-Expanded)
- XXXVIII. **Effect of silicon on antioxidant and stomatal response of two grapevine (Vitis vinifera L.) rootstocks grown in boron toxic, saline and boron toxic-saline soil**
SÖYLEMEZOĞLU G., Demir K., Inal A., Gunes A.
SCIENTIA HORTICULTURAE, vol.123, no.2, pp.240-246, 2009 (SCI-Expanded)
- XXXIX. **Effect of sulfur on the yield and essential and nonessential element composition of alfalfa determined by polarized energy dispersive x-ray fluorescence**
GÜNEŞ A., İNAL A., Pilbeam D., KADIOĞLU Y. K.
Communications in Soil Science and Plant Analysis, vol.40, no.13-14, pp.2264-2284, 2009 (SCI-Expanded)
- XL. **Determination of mineral element concentrations in wheat, sunflower, chickpea and lentil cultivars in response to P fertilization by polarized energy dispersive X-ray fluorescence**
GÜNEŞ A., İNAL A., KADIOĞLU Y. K.
X-Ray Spectrometry, vol.38, no.5, pp.451-462, 2009 (SCI-Expanded)
- XLI. **Recovery of bean plants from boron-induced oxidative damage by zinc supply**
Güneş A., İnal A., Güneri E.
Russian Journal of Plant Physiology, vol.56, no.4, pp.503-509, 2009 (SCI-Expanded)
- XLII. **Concentrations of essential and nonessential elements in shoots and storage roots of carrot grown in NaCl and Na₂SO₄ salinity**
İNAL A., GÜNEŞ A., Pilbeam D. J., Kadloglu Y. K., Eraslan F.
X-Ray Spectrometry, vol.38, no.1, pp.45-51, 2009 (SCI-Expanded)
- XLIII. **Effect of arsenic-phosphorus interaction on arsenic-induced oxidative stress in chickpea plants**
GÜNEŞ A., Pilbeam D. J., İNAL A.
PLANT AND SOIL, vol.314, no.1-2, pp.211-220, 2009 (SCI-Expanded)
- XLIV. **Phosphorus Efficiency in Sunflower Cultivars and Its Relationships with Phosphorus, Calcium, Iron, Zinc and Manganese Nutrition**
GÜNEŞ A., İNAL A.
JOURNAL OF PLANT NUTRITION, vol.32, no.7, pp.1201-1218, 2009 (SCI-Expanded)
- XLV. **Silicon increases tolerance to boron toxicity and reduces oxidative damage in barley**
İNAL A., Pilbeam D. J., GÜNEŞ A.
Journal of Plant Nutrition, vol.32, no.1, pp.112-128, 2009 (SCI-Expanded)
- XLVI. **Interactive effects of salicylic acid and silicon on oxidative damage and antioxidant activity in spinach (Spinacia oleracea L. cv. Matador) grown under boron toxicity and salinity**
Eraslan F., İNAL A., Pilbeam D. J., GÜNEŞ A.
PLANT GROWTH REGULATION, vol.55, no.3, pp.207-219, 2008 (SCI-Expanded)
- XLVII. **Influence of silicon on sunflower cultivars under drought stress, II: Essential and nonessential element uptake determined by polarized energy dispersive x-ray fluorescence**
GÜNEŞ A., KADIOĞLU Y. K., Pilbeam D. J., İNAL A., Coban S., Aksu A.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.39, no.13-14, pp.1904-1927, 2008 (SCI-Expanded)
- XLVIII. **Influence of silicon on sunflower cultivars under drought stress, I: Growth, antioxidant mechanisms, and lipid peroxidation**
GÜNEŞ A., Pilbeam D. J., İNAL A., Coban S.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.39, no.13-14, pp.1885-1903, 2008 (SCI-

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- XLIX. **Significance of intracellular and secreted acid phosphatase enzyme activities, and zinc and calcium interactions, on phosphorus efficiency in wheat, sunflower, chickpea, and lentil cultivars**
GÜNEŞ A., İNAL A.
AUSTRALIAN JOURNAL OF AGRICULTURAL RESEARCH, vol.59, no.4, pp.339-347, 2008 (SCI-Expanded)
- L. **Interspecific root interactions and rhizosphere effects on salt ions and nutrient uptake between mixed grown peanut/maize and peanut/barley in original saline-sodic-boron toxic soft**
İNAL A., GÜNEŞ A.
JOURNAL OF PLANT PHYSIOLOGY, vol.165, no.5, pp.490-503, 2008 (SCI-Expanded)
- LI. **Effect of drought stress implemented at pre- or post-anthesis stage on some physiological parameters as screening criteria in chickpea cultivars**
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CIENCIA E AGROTECNOLOGIA, SCI Journal, January 2024

ACTA PHYSIOLOGIAE PLANTARUM, SCI Journal, December 2023

SCIENTIA HORTICULTURAE AN INTERNATIONAL JOURNAL, SCI Journal, December 2023

SCIENTIA HORTICULTURAE AN INTERNATIONAL JOURNAL, SCI Journal, November 2023

JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, October 2023

PLANT AND SOIL, SCI Journal, August 2023

BIOMASS CONVERSION AND BIOREFINERY, SCI Journal, August 2023

GCB BIOENERGY, SCI Journal, August 2023

journalof communication and soil science, SCI Journal, May 2023

PEDOSPHERE, SCI Journal, February 2023

PLANT AND SOIL, SCI Journal, January 2023

Scientific Consultations

Tübitak, Project Consultancy, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, Turkey, 2022 - 2023

Metrics

Publication: 115

Citation (WoS): 3130

Citation (Scopus): 4346

H-Index (WoS): 34

H-Index (Scopus): 35

Congress and Symposium Activities

5. International European Conference on Interdisciplinary Scientific Research Conference, Attendee, Valencia, Spain,

2022

18th International Plant Nutrition Congress, Attendee, Aabenraa, Denmark, 2017

18th International Plant Nutrition Congress, Attendee, Aabenraa, Denmark, 2017

18th International Plant Nutrition Congress, Attendee, Aabenraa, Denmark, 2017

International Symposium on Boron in Agriculture, Invited Speaker, Ankara, Turkey, 2016

6. Ulusal Bitki Besleme ve Gübreleme Kongresi, Attendee, Nevşehir, Turkey, 2013

International Meeting on Soil Fertility Land Management and Agroclimatology, Attendee, Aydın, Turkey, 2008

4. Ulusal Bitki Besleme ve Gübreleme Kongre, Attendee, Konya, Turkey, 2008

Awards

Güneş A., Ankara Üniversitesi Bilim Ödülü, Ankara Üniversitesi, May 2003