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International Researcher IDs

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme, Turkey 2017 - Continues

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme, Turkey 2014 - 2017

Undergraduate, Cukurova University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, Turkey 2010 - 2014

Foreign Languages

English, B1 Intermediate

Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Nutritive Principles, Complete Fertilizers, Methods of Application, Soil Fertility, Acidity, Alkanility

Academic Titles / Tasks

Research Assistant, Cukurova University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Role of mycorrhizae inoculations on nutrient uptake in rice grown under aerobic and anaerobic water management**
Iqbal M. T., Ahmed I. A. M., IŞIK M., Sultana F., ORTAŞ İ.
JOURNAL OF PLANT NUTRITION, vol.44, no.4, pp.550-568, 2021 (SCI-Expanded)
- II. **IMPACT OF Zea mays L. WASTE DERIVED BIOCHAR ON CADMIUM IMMOBILIZATION AND WHEAT PLANT GROWTH**
Jan S. U., Jamal A., Sabar M. A., ORTAŞ İ., IŞIK M., Aksahin V., Alghamdi H. A., Gul S., Saqib Z., Ali M. I.
PAKISTAN JOURNAL OF AGRICULTURAL SCIENCES, vol.57, no.5, pp.1201-1210, 2020 (SCI-Expanded)
- III. **Effects of Rhizophagus clarus and biochar on growth, photosynthesis, nutrients, and cadmium (Cd) concentration of maize (Zea mays) grown in Cd-spiked soil**
Rafique M., ORTAŞ İ., Rizwan M., Sultan T., Chaudhary H. J., IŞIK M., Aydın O.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, no.20, pp.20689-20700, 2019 (SCI-Expanded)

- IV. **Rice straw biochar amended soil improves wheat productivity and accumulated phosphorus in grain**
Iqbal M. T., ORTAŞ İ., AHMED I. A. M., IŞIK M., Islam M. S.
JOURNAL OF PLANT NUTRITION, vol.42, no.14, pp.1605-1623, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effect of Mycorrhiza Inoculation on Pepper Plant Growth and Mycorrhizal Dependency**
SOYLU E., IŞIK M., ORTAŞ İ.
International Journal of Agricultural and Applied Sciences, vol.4, no.1, pp.127-131, 2023 (Peer-Reviewed Journal)
- II. **Effect of Increasing Phosphorus Doses Application on Some Physical, Chemical and Biological Properties of Soil, Under Long-Term Experiment Conditions.**
Işık M., Aldoğan S., Sönmez M., İlhan S., Ortaş İ.
International Journal of Agricultural and Applied Sciences, vol.4, no.1, pp.143-149, 2023 (Peer-Reviewed Journal)
- III. **The Effects of Organic and Inorganic Fertilizer Applications on Buckwheat Root Development**
ÇÜRÜK U., IŞIK M., FERAHOĞLU E., KIRICI S., ORTAŞ İ.
Toprak Su Dergisi, vol.10, no.0, pp.41-45, 2021 (Peer-Reviewed Journal)
- IV. **Uzun Süreli Farklı Dozlarda Fosfor Uygulamalarının Mısır Bitkisinin Fosfor Kullanım Etkinliğinin Belirlenmesi**
Işık M., Feyzulla Ö., KARADERELİ Ş., ORTAŞ İ.
Soil Water Journal ToprakSu Dergisi, pp.25-30, 2020 (Peer-Reviewed Journal)
- V. **Effect of Organic and Inorganic Fertilizer Applications on Buckwheat Yield and Micro Element Nutrition**
ÇÜRÜK U., IŞIK M., FERAHOĞLU E., KIRICI S., ORTAŞ İ.
Turkish Journal of Agriculture - Food Science and Technology, vol.8, pp.145-149, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **PREDICTION OF SOILS BASED ON TEXTURAL DIFFERENCES BY MEANS OF VIS-NIR SPECTROSCOPY**
Turgut Y. Ş., Acar M., Işık M., Wahab T. S., Şenol S.
EUROSOIL 2021, Geneve, Switzerland, 23 - 27 August 2021, pp.218
- II. **Seasonal Boron Content of 'Rubygem' Variety by Using the Different Applications**
SARIDAŞ M. A., IŞIK M., PAYDAŞ KARGI S., ORTAŞ İ.
IX International Symposium on Mineral Nutrition of Fruit Crops, Tel-Aviv-Yafo, Israel, 28 June 2021, vol.1, pp.1-5
- III. **Impact of Long Term Phosphorus Doses Application on Soil Carbon, Nitrogen and Phosphorus Concentration**
IŞIK M., Öztürk F., Akşahin V., ORTAŞ İ., Demirkol B.
5th International Anatolian Agriculture, Food, Environment and Biology Congress, Tokat, Turkey, 01 October 2020, vol.8, pp.150-154
- IV. **Under Long Term Field Condition to Evaluate the Effects of Different Phosphorus Doses on Agronomic Efficiency of Maize Plant**
IŞIK M., ÖZTÜRK F., KARADERE Ş., ORTAŞ İ.
6th Congress on Soil and Water Resources with International Participation, İzmir, Turkey, 12 - 14 November 2019, vol.1, no.1, pp.81
- V. **Effect of Different Nitrogen Doses and Mycorrhiza Vaccination on Alfalfa Carbon and Nitrogen Fixation**
ALICI H., IŞIK M., ORTAŞ İ.
6th Congress on Soil and Water Resources with International Participation, İzmir, Turkey, 12 - 14 November 2019, vol.1, no.1, pp.57

- VI. **The Effects of Organic and Inorganic Fertilizer Applications on Buckwheat Root Development**
ÇÜRÜK U., IŞIK M., FERAHOĞLU E., KIRICI S., ORTAŞ İ.
6th Congress on Soil & Water Resources with International Participation, İzmir, Turkey, 12 - 14 November 2019, vol.1, no.1, pp.59
- VII. **The Effect of Different Biochar Doses and Mycorrhizae Application on Corn Root Morphological Properties**
KARADERE Ş., IŞIK M., Ahmed W. K. A., ORTAŞ İ.
6th Congress on Soil and Water Resources with International Participation, İzmir, Turkey, 12 - 14 November 2019, vol.1, no.1, pp.56
- VIII. **Biochar Production From Maize (Zea Mays) and its Physico-Chemical Characterization**
JAN s. U., IŞIK M., AKŞAHİN V., ORTAŞ İ.
International Soil Congress, Ankara, Turkey, 17 - 19 June 2019, vol.1, no.1, pp.391-396
- IX. **Effect of Different Organic and Inorganic Fertilizer on Soil Structure Stability, Under Long Term Field Experiment**
IŞIK M., AKŞAHİN V., ÖZTÜRK F., JAN s. U., ORTAŞ İ.
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- X. **Effect of Different Biochar Doses and Mycorrhiza Application on Soil CO₂ Flux, Under Field Condition**
KARADERE Ş., IŞIK M., AKŞAHİN V., ÖZTÜRK F., ORTAŞ İ.
International Soil Congress, Ankara, Turkey, 17 - 19 June 2019, vol.1, no.1, pp.426
- XI. **Plant Root Development and Their Relation with Carbon Sequestration Influenced by Organic and Inorganic Fertilizers Under Long Term Field Study**
ORTAŞ İ., RAFIQUE M., AHMED İ. M., IŞIK M.
International Soil Congress, Ankara, Turkey, 17 - 19 June 2019, vol.1, no.1, pp.202-207
- XII. **Effect of Different Phosphorus Doses on Corn (Zea Mays L.) Root Growth and Carbon Content**
ÖZTÜRK F., AKŞAHİN V., IŞIK M., KARADERE Ş., ORTAŞ İ.
International Soil Congress, Ankara, Turkey, 17 - 19 June 2019, vol.1, no.1, pp.387-390
- XIII. **Sera Koşullarında Farklı Bor Uygulamalarının Patates Bitkisinde Büyüme ve Yeşil Aksam Bor Konsantrasyonuna Etkisi**
IŞIK M., TORUN M. B.
International Symposium on Boron, 17 - 19 April 2019, pp.1169-1175
- XIV. **Affect of organic and inorganic fertilizer on maize (zea mays L.) root growt**
KARADERE Ş., IŞIK M., AKŞAHİN V., ÖZTÜRK F., ORTAŞ İ.
I. International Congress on Sustainable Agriculture and Technology, Gaziantep, Turkey, 1 - 03 April 2019, vol.1, no.1, pp.566-567
- XV. **Citrus Feedstock Biochar Production, Its Physico-Chemical Characteristics and the Importins? for Sustainable Agriculture**
JAN S. U., IŞIK M., AKŞAHİN V., ORTAŞ İ.
I. International Congress on Sustainable Agriculture and Technology, Gaziantep, Turkey, 1 - 03 April 2019, vol.1, no.1, pp.542
- XVI. **Effect of Different Nitrogen Doses and Mycorrhiza Application on Mycorrhizal Inoculation Effectiveness at Alfalfa Plant.**
ALICI H., IŞIK M., AKŞAHİN V., ÖZTÜRK F., ORTAŞ İ.
I. International Congress on Sustainable Agriculture and Technology, Gaziantep, Turkey, 1 - 03 April 2019, vol.1, no.1, pp.564
- XVII. **Under Long Term Field Experiment, Effect Of Different Organic And İnorganic Fertilizer On Soil Phosphorus Amount By Corn**
IŞIK M., ÖZTÜRK F., AKŞAHİN V., KARADERE Ş., ALICI H., JAN S. U., ORTAŞ İ.
I. International Congress on Sustainable Agriculture and Technology, Gaziantep, Turkey, 1 - 03 April 2019, vol.1, no.1, pp.538-539
- XVIII. **Under Long Term Field Conditions Effect of Different Phosphorus Doses on Agronomic Efficacy and**

Nutrient Uptake by Wheat (*Triticum aestivum* L.).

ÖZTÜRK F., IŞIK M., AKŞAHİN V., KARADERE Ş., JAN S. U., ORTAŞ İ.

I. International Congress on Sustainable Agriculture and Technology, Gaziantep, Turkey, 1 - 03 April 2019, vol.1, no.1, pp.565

XIX. Farklı fosfor dozlarının buğday dokularında karbon ve azot içeriğine etkisi

ÖZTÜRK F., IŞIK M., AKŞAHİN V., ORTAŞ İ.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.68

XX. Organik-inorganik gübrelerin toprak karbon, azot ve fosfor içeriğine etkisi

IŞIK M., AKŞAHİN V., ÖZTÜRK F., KARADERE Ş., ORTAŞ İ.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.64

XXI. Mikoriza ve biyoçar uygulamalarının bitki gelişimi ve besin elementi alımı üzerine etkileri

ORTAŞ İ., IŞIK M., AHMED I. A. M., AKŞAHİN V., ÖZTÜRK F., ALICI H., KARADERE Ş., BULUTTEKİN B. C., AKGÖL H., ÇEVİK B., et al.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.67

XXII. Organik gübrelerin fotosentez yoluyla karbon tutumuna ve bitki beslenmesine etkisi

IŞIK M., AKŞAHİN V., ÖZTÜRK F., KARADERE Ş., ORTAŞ İ.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.63

XXIII. Tarla koşullarında biyoçar ve mikoriza uygulamalarının mısır bitkisi besin elementi alımı üzerine etkileri

KARADERE Ş., IŞIK M., AHMED I. A. M., AKŞAHİN V., ÖZTÜRK F., ALICI H., ORTAŞ İ.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.73

XXIV. Okaliptüs bitkisinden üretilen biyoçarın fiziko-kimyasal özellikleri ve tarımda kullanılabilirliği

Jan S. U., IŞIK M., AKŞAHİN V., ORTAŞ İ.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.44

XXV. Farklı azot dozları ve mikoriza aşılmasının yonca gelişimine etkisi

ALICI H., AKŞAHİN V., IŞIK M., ÖZTÜRK F., KARADERE Ş., ORTAŞ İ.

8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, vol.1, no.1, pp.126

XXVI. Under Long Term Field Experiment, the Effect of Different Organic and Inorganic Fertilizers on Carbon Fixation by Wheat

ÖZTÜRK F., IŞIK M., KARADERE Ş., ORTAŞ İ.

International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, vol.1, no.1, pp.717

XXVII. Under Long Term Field Experiment, the Effect of Organic and Inorganic Fertilizers on Carbon and Nitrogen Storage

IŞIK M., ÖZTÜRK F., ORTAŞ İ.

International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, vol.1, no.1, pp.716

XXVIII. EFFECT OF DIFFERENT MYCORRHIZA SPECIES ON SATSUMA MANDARIN (CITRUS UNSHIU MARC.) TREES YIELD AND NUTRITION

Sayar E., Işık M., Bykova A., ORTAŞ İ.

International congress of health and environment, Adana, Turkey, 23 - 25 October 2017, vol.1, no.1, pp.292

Supported Projects

ORTAŞ İ., Öztürk F., IŞIK M., Project Supported by Higher Education Institutions, Organik ve Mineral Gübre Uygulamalarının Bakla Bitkisinin Gelişimi Mineral Besin Elementi Alımı ve Karbon Dinamiği Üzerine Etkileri, 2022 - Continues

Işık M., Ortaş İ., Yılmaz H. L., TUBITAK Project, The Effect of Biochar and Mycorrhiza Applications on Water Holding Capacity, Plant Nutrition, and Water Use Efficiency under Deficit Irrigation Conditions, 2022 - 2024

SARIYEV A., IŞIK M., ORTAŞ İ., ACAR M., Project Supported by Higher Education Institutions, Uzun Süreli Organik ve İnorganik Gübrelemenin Toprağın Fiziksel Özelliklerine Etkisi, 2020 - 2022

Scientific Refereeing

Journal of Soil Science and Environmental Management, Other Indexed Journal, July 2021

Agricultural Science Research Journal, Other Indexed Journal, January 2021

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Publication: 38

Citation (WoS): 27

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H-Index (Scopus): 3