

Asst. Prof. SEFA AKSU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-4636-2019

Yoksis Researcher ID: 24139

Education Information

Doctorate, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Agricultural Structures and Irrigation, Turkey
2014 - 2020

Postgraduate, Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Agricultural Structures and Irrigation,
Turkey 2012 - 2014

Undergraduate, Bursa Uludağ University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, Turkey 2006 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Plastik örtülü seralarda rüzgar ve kar yükü izleme sisteminin geliştirilmesi, Canakkale Onsekiz Mart University,
Lisansüstü Eğitim Enstitüsü, 2020

Postgraduate, GÜBRE İŞLETİM PLANLAMASINDA UZAKTAN ALGILAMA CBS VE YÜZEY İSTATİSTİĞİ YÖNTEMLERİNİN
KULLANILMASI: GÜMÜŞÇAY BELDESİ UYGULAMA ÖRNEĞİ, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü,
Tarımsal Yapılar Ve Sulama, 2014

Research Areas

Agricultural Sciences, Agriculture, Farm Structures and Irrigation, Agricultural Buildings

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2022 - Continues

Research Assistant PhD, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2020 - 2022

Research Assistant, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2012 - 2020

- I. **Developing a patient-friendly electronic nose device for home monitoring of phenylketonuria disease**

Özer I., Kızıl Ü., Aksu S., Yücebaş S. C.

JOURNAL OF INHERITED METABOLIC DISEASE, vol.45, no.S1, pp.726, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Sound-Based Monitoring and Evaluation System for Small-Scale Dairy Operations**
KIZIL Ü., AKSU S., KINACI A. C., BİLGÜCÜ E., ŞENTÜRKLÜ S.
Journal of advanced research in natural and applied sciences (Online), vol.8, no.3, pp.380-390, 2022 (Peer-Reviewed Journal)
- II. **Sensory Precipitation Forecast Using Artificial Neural Networks and Decision Trees**
Altınbilek H. F., Nar H., AKSU S., KIZIL Ü.
Journal of advanced research in natural and applied sciences (Online), vol.8, no.2, pp.309-321, 2022 (Peer-Reviewed Journal)
- III. **Spatial Noise Modeling in a Dairy Farm**
KIZIL Ü., AKSU S., KINACI A. C., BİLGÜCÜ E., ŞENTÜRKLÜ S.
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.9, no.2, pp.439-445, 2022 (Peer-Reviewed Journal)
- IV. **Bazı Ekonomik Toprak Nem Sensörlerinin Hassasiyetlerinin Belirlenmesi**
ÇAMOĞLU G., KIZIL Ü., DEMİREL K., AKSU S., Nar H., GENÇ L.
Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.7, no.2, pp.247-254, 2021 (Peer-Reviewed Journal)
- V. **Design and Testing of Flexibility Sensors to be Used in Agricultural Engineering Applications**
Aksu S., Kızıl Ü.
COMU Journal of Agriculture Faculty, vol.8, no.2, pp.271-276, 2020 (Peer-Reviewed Journal)
- VI. **Design of an Arduino Based Low-Cost Air Conditioning Automation Device for Bovine Barns Using Temperature Humidity Index (THI)**
KIZIL Ü., AKSU S., KINACI A. C., Özdemir D. B., GENÇ L.
Türk Tarım ve Doğa Bilimleri Dergisi, vol.7, no.3, pp.654-662, 2020 (Peer-Reviewed Journal)
- VII. **Design and Testing of a Laboratory Scale Deflection Apparatus**
Aksu S., Kızıl Ü.
ÇOMÜ ZİRAAT FAKÜLTESİ DERGİSİ, vol.8, no.1, pp.197-202, 2020 (Peer-Reviewed Journal)
- VIII. **Design of an Arduino based digital psychrometric device**
Kızıl Ü., Aksu S.
Mustafa Kemal Üniversitesi Tarım Bilimleri Dergisi, vol.24, pp.1-8, 2019 (Peer-Reviewed Journal)
- IX. **Kontrollü Ortamda Bitkisel Yetiştiricilik için Arduino Uyumlu Bir Toprak Nemi İzleme Sistemi Tasarımı**
KIZIL Ü., AKSU S., ÇAMOĞLU G.
ÇOMÜ ZİRAAT FAKÜLTESİ DERGİSİ, vol.6, no.2, pp.131-139, 2018 (Peer-Reviewed Journal)
- X. **Hava Kalitesi Ölçüm Amaçlı Kullanılan Metal-oksit Gaz Sensörlerinin Sıcaklık ve Nem Etkileşimlerinin Belirlenmesi**
KIZIL Ü., AKSU S.
ÇOMÜ ZİRAAT FAKÜLTESİ DERGİSİ, vol.6, no.1, pp.91-97, 2018 (Peer-Reviewed Journal)
- XI. **Web and android applications for district level nutrient management planning**
AKSU S., KIZIL Ü., GENÇ L., YILDIZ A. M.
Agronomy Research, vol.15, no.3, pp.622-628, 2017 (Scopus)
- XII. **Air quality mapping using an e-nose system in Northwestern Turkey**
KIZIL Ü., GENÇ L., AKSU S.
Agronomy Research, vol.15, no.1, pp.205-218, 2017 (Scopus)
- XIII. **Bir Elektronik Burun Sisteminin Hayvan Barınaklarından Kaynaklanan Koku Probleminin**

Değerlendirilmesinde Kullanım Olanakları

KIZIL Ü., GENÇ L., AKSU S.

EGE ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.53, no.4, pp.435-440, 2016 (Peer-Reviewed Journal)

XIV. **Developing a Town Based Soil Database to Assess the Sensitive Zones in Nutrient Management**

AKSU S., KIZIL Ü.

International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering, no.9, pp.818-823, 2015 (Peer-Reviewed Journal)

XV. **Performance Comparison of a Low Cost Air Quality Sensor with a Commercial Electronic Nose**

KIZIL Ü., GENÇ L., AKSU S., TAPINÇ A.

International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, no.9, pp.595-598, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Development of UV Transmittance Tester for Plastic Greenhouse Covering Material**
Bircan N., Aksu S., Kızıl Ü.
International Congress and Workshop on Agricultural Structures and Irrigation, Diyarbakır, Turkey, 12 - 15 May 2022, pp.103
- II. **Designing an Automatic Dehumidifier System for Controlled Environments**
Aksu S., Kızıl Ü., Çamoğlu G., Mucan U.
International Congress and Workshop on Agricultural Structures and Irrigation, Diyarbakır, Turkey, 12 - 15 May 2022, pp.181
- III. **Development of a Pot Weighing System for Water Constraint Studies**
Aksu S., Kızıl Ü., Mucan U.
International Congress and Workshop on Agricultural Structures and Irrigation, Diyarbakır, Turkey, 12 - 15 May 2022, pp.180
- IV. **MAPPING OF AGRICULTURAL FROST PROBABILITY IN THE IMPACT OF GLOBAL CLIMATE CHANGE, SUSURLUK BASIN EXAMPLE**
Mucan U., Aksu S.
III. INTERNATIONAL AGRICULTURAL, BIOLOGICAL & LIFE SCIENCE CONFERENCE AGBIOL 2021, 1 - 03 September 2021, pp.106-107
- V. **WEB BASED DATA LOGGING SYSTEM DESIGN FOR CONTROLLED ENVIRONMENTS**
Aksu S., Mucan U.
III. BALKAN AGRICULTURAL CONGRESS, 29 August - 01 September 2021, pp.66
- VI. **Spray Cooling for Bovine Barns**
AKSU S., KIZIL Ü.
1st International Congress on Agricultural Structures and Irrigation, Antalya, Turkey, 26 - 28 September 2018, pp.698
- VII. **Determination of the Suitable Points for Central Biogas Facilities with Geographic Information System Models: A Case Study in Gümüşçay District**
AKSU S., KIZIL Ü.
1st International Congress on Agricultural Structures and Irrigation, Antalya, Turkey, 26 - 28 September 2018, pp.587
- VIII. **Bir E-burun Sisteminin Arduino Tabanlı Dönüşümünün Yapılması**
KIZIL Ü., AKSU S., KINACI A. C., ÖZDEMİR D. B.
1st International Congress on Agricultural Structures and Irrigation, 26 - 28 September 2018
- IX. **Use of Open Source Microprocessors in Agricultural Structures and Irrigation**
KIZIL Ü., AKSU S., GENÇ L.
1. Uluslararası Tarımsal Yapılar ve Sulama Kongresi, 26 - 28 September 2018
- X. **Optimum Gübre İşletim Modellerinin Bölgesel Olarak Belirlenmesi**

AKSU S., KIZIL Ü.

II. Çanakkale Tarımı Sempozyumu, Turkey, 14 - 15 December 2017, pp.128

XI. Gübre Yönetiminde Besin Bütçesi Yöntemi için Bir Bilgisayar Programının Geliştirilmesi ve Uygulama Örneği

KIZIL Ü., AKSU S., GENÇ L.

13. Ulusal Kültürteknik Kongresi, Antalya, Turkey, 12 - 15 April 2016, pp.44-50

XII. A Simple Procedure In Designing Dairy Barn Thermal Environment

AKSU S., KIZIL Ü., GENÇ L.

International Conference on Biological, Civil and Environmental Engineering, Dubai, United Arab Emirates, 17 - 18 March 2014, pp.190-193

XIII. Responses of Eggplant to Pruning Under Irrigation Deficiency

İNALPULAT M., GENÇ L., KIZIL Ü., AKSU S.

International Conference on Biological, Civil and Environmental Engineering (BCEE-2014), Dubai, United Arab Emirates, 17 - 18 March 2014, pp.189-194

XIV. Determination of Paddy Rice Field Using Landsat 8 Images

GENÇ L., İNALPULAT M., KIZIL Ü., AKSU S.

International Conference on Biological, Civil and Environmental Engineering (BCEE-2014), Dubai, United Arab Emirates, 17 - 18 March 2014, pp.195-198

Supported Projects

ÇAMOĞLU G., KIZIL Ü., AKSU S., DEMİREL K., NAR H., ALTINBİLEK H. F., Project Supported by Higher Education Institutions, Çeltik Alanlarında Yabancı Ot Tespit ve Sınıflandırmasında İnsansız Hava Aracı ve Makine Öğrenmesi Yöntemlerinin Kullanılması, 2022 - Continues

Kızıl Ü., Aksu S., Çamoğlu G., Altınbilek H. F., TÜBİTAK Project, Çeltikte Damla Sulamada Fao Penman-Monteith Modeline Dayalı Sulama Otomasyon Sisteminin Geliştirilmesi, 2022 - 2023

KIZIL Ü., KINACI A. C., ŞENTÜRLÜ S., AKSU S., BİLGÜCÜ E., Project Supported by Higher Education Institutions, Süt Sığırı Ahırları İçin Barınak İçi Ses Takip Cihazı Geliştirilmesi, 2019 - 2021

ÇAMOĞLU G., NAR H., KIZIL Ü., DEMİREL K., AKSU S., GENÇ L., Project Supported by Higher Education Institutions, Arduino Uyumlu Toprak Nem Sensörlerinin Hassasiyetlerinin Belirlenmesi, 2018 - 2019

KIZIL Ü., AKSU S., ÖZDEMİR D. B., KINACI A. C., GENÇ L., Project Supported by Higher Education Institutions, Küçük Süt Sığırı İşletmeleri İçin Sıcaklık Nem İndeksine Göre Çalışan Ekonomik Bir İklimlendirme Otomasyon Sisteminin Tasarımı, 2018 - 2019

Kızıl Ü., Aksu S., Genç L., İnalpulat M., Municipality, Use of Remote Sensing, GIS and Spatial Statistics in Manure Management Planning: A Case Study in Gümüşçay District, 2013 - 2016

Scientific Refereeing

ÇOMÜ ZIRAAT FAKÜLTESİ DERGİSİ, Other Indexed Journal, March 2022

TURKISH JOURNAL OF AGRICULTURAL ENGINEERING RESEARCH, Other Indexed Journal, April 2021

Metrics

Publication: 32

Congress and Symposium Activities

International Congress and Workshop on Agricultural Structures and Irrigation (ICASI 2022), Attendee, Diyarbakır,

Turkey, 2022

3. International Agricultural, Biological and Life Science Conference (Agbiol 2021), Attendee, Edirne, Turkey, 2021

3. Balkan Agricultural Congress (Agribalkan 2021), Attendee, Edirne, Turkey, 2021

1. International Congress of Agricultural Structures and Irrigation (ICASI 2018)), Attendee, Antalya, Turkey, 2018

2. Çanakkale Tarımı Sempozyumu, Attendee, Çanakkale, Turkey, 2017

8th International Conference on Biosystems Engineering (BSE 2017), Attendee, Tartu, Estonia, 2017

13. Ulusal Kùltürteknik Kongresi, Attendee, Antalya, Turkey, 2016

17th International Conference on Agricultural Science, Technology and Engineering (ICASTE 2015), Attendee, Venice, Italy, 2015

International Conference on Biological, Civil and Environmental Engineering (BCEE-2014), Attendee, Dubai, United Arab Emirates, 2014

Awards

Aksu S., Kızıl Ü., ISIF'22 Academic İvention Award Bronze Medal, Türk Patent, August 2022