

Asst. Prof. SALİH SÖZER



Personal Information

Office Phone: [+90 242 227 4780](tel:+902422274780) Extension: 6729

Office Phone: [+90 242 310 6729](tel:+902423106729)

Fax Phone: [+90 242 227 4785](tel:+902422274785)

Email: sozer@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/sozer>

Address: Akdeniz Üniversitesi Teknik Bilimler Meslek Yüksek Okulu Kampüs Antalya



International Researcher IDs

ScholarID: x3sDvFcAAAAJ

ORCID: 0000-0003-3083-9416

Publons / Web Of Science ResearcherID: C-2879-2016

ScopusID: 57213145182

Yoksis Researcher ID: 237076

Education Information

Doctorate, Akdeniz University, Institute of Science, Tarım Makinaları Anabilim Dalı,
Turkey 2002 - 2008

Postgraduate, Akdeniz University, Institute of Science, Tarım Makinaları Anabilim Dalı,
Turkey 1997 - 2001

Undergraduate, Ege University, Faculty Of Agriculture, Tarım Makinaları Bölümü, Turkey
1991 - 1995

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Bazı Bitkisel Atıkların Kofermentasyon Yöntemiyle Metan Üretiminde Kullanılması ve Karışım Oranlarının Saptanması, Akdeniz University, Institute of Science, Tarım Makinaları Anabilim Dalı, 2007

Postgraduate, Bitkisel materyallerden biyogaz üretimi konusunda araştırmalar, Akdeniz University, Institute of Science, Tarım Makinaları Anabilim Dalı, 2001

Research Areas

Agricultural Sciences, Agriculture, Farm Machinery, Energy in Agriculture

Academic Titles / Tasks

Assistant Professor, Akdeniz University, Technical Sciences Vocational School, Department of Mechanical and Metal Technologies, 2017 - Continues
Lecturer PhD, Akdeniz University, Technical Sciences Vocational School, Department of Mechanical and Metal Technologies, 2015 - 2017
Research Assistant, Akdeniz University, Institute of Science, Department of Agricultural Machinery , 1998 - 2008

Academic and Administrative Experience

Akdeniz University, Technical Sciences Vocational School, 2017 - 2018

Courses

TRANSPORT AND TRANSMISSION TECHNIQUE, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019
CNC MILLING TECHNOLOGY, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
CNC LATHE TECHNOLOGY, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
WELDING TECHNOLOGY-1, Associate Degree, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020
MACHINE TECHNICAL DRAWING, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
CNC MILLING TECHNOLOGY, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
TECHNICAL DRAWING, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
BASIC OXY GAS WELDING, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
CNC LATHE TECHNOLOGY, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
BASIC OXY GAS WELDING, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
MACHINE TECHNICAL DRAWING, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
TRANSPORT AND TRANSMISSION TECHNIQUE, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
PLUMBING WORKS, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
TECHNICAL DRAWING, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
WELDING TECHNOLOGY-1, Associate Degree, 2020 - 2021, 2019 - 2020
TECHNICAL DRAWING, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
WELDING TECHNOLOGY-2, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016
WELDING TECHNOLOGY-2, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016
MACHINE MANUFACTURING METHODS, Undergraduate, 2018 - 2019, 2017 - 2018
MECHANISM TECHNIQUE, Undergraduate, 2017 - 2018
ESCALATOR AND BELT SYSTEMS, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017
USE OF INFORMATION TECHNOLOGIES, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
ESCALATOR AND BELT SYSTEMS, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016
COMPUTER AIDED DRAWING-1, Associate Degree, 2016 - 2017
PLUMBING WORKS, Associate Degree, 2017 - 2018, 2016 - 2017
MATERIAL TECHNOLOGY, Associate Degree, 2016 - 2017
INFORMATION AND COMMUNICATION TECHNOLOGIES, Associate Degree, 2016 - 2017, 2015 - 2016
System analysis and Design, Associate Degree, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparison of two different artificial neural network models for prediction of soil penetration resistance**
Ünal İ., Kabaş Ö., Sözer S.
JOURNAL OF AGRICULTURAL ENGINEERING (Pavia), vol.55, no.1, pp.79-86, 2024 (SCI-Expanded)
- II. **A research on biogas production from a mixture of olive pomace and cattle manure**
Sözer S.
BIOMASS CONVERSION AND BIOREFINERY, vol.14, no.9, pp.10651-10659, 2024 (SCI-Expanded)
- III. **QUALITY ASSESSMENT OF BIO-BRIQUETTES OBTAINED FROM NUT FRUIT SHELLS**
Kabaş Ö., Ünal İ., Sözer S.
MITTEILUNGEN KLOSTERNEUBURG, vol.72, pp.222-237, 2022 (SCI-Expanded)
- IV. **Quality Assessment of Biofuel Briquettes Obtained from Greenhouse Waste Using a Mobile Prototype Briquetting Machine with PTO Drive**
Kabaş Ö., Ünal İ., Sözer S., Selvi K. C., Ungureanu N.
ENERGIES, vol.15, no.22, pp.1-14, 2022 (SCI-Expanded)
- V. **PREDICTION OF SOIL PENETRATION RESISTANCE WITH THREE DIFFERENT ARTIFICIAL NEURAL NETWORKING METHODS**
Ünal İ., Kabaş Ö., Sözer S., Çetin S.
ROMANIAN AGRICULTURAL RESEARCH, vol.36, pp.447-456, 2022 (SCI-Expanded)
- VI. **Real-Time Electrical Resistivity Measurement and Mapping Platform of the Soils with an Autonomous Robot for Precision Farming Applications**
ÜNAL İ., KABAŞ Ö., SÖZER S.
SENSORS, vol.20, no.1, 2020 (SCI-Expanded)
- VII. **Methane Production from Plant Wastes and Chicken Manure at Different Working Conditions of a One-stage Anaerobic Digester**
Yaldiz O., SÖZER S., ÇAĞLAYAN N., ERTEKİN C., KAYA D.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.33, no.19, pp.1802-1813, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Research on the Determination of Biogas Potential from Slaughterhouse Wastes and Livestock Manure in Türkiye**
Sözer S.
Black Sea Journal of Engineering and Science, vol.7, no.4, pp.627-634, 2024 (Peer-Reviewed Journal)
- II. **Agricultural Waste Potential of Türkiye**
Sözer S.
Black Sea Journal of Agriculture, vol.6, no.6, pp.604-609, 2023 (Peer-Reviewed Journal)
- III. **Biyogaz Üretimini Arttırmada Kullanılan Ön İşlemlere Bir Bakış**
SÖZER S., KABAŞ Ö., ÜNAL İ.
Tarım Makinaları Bilimi Dergisi, vol.12, no.3, pp.171-176, 2016 (Peer-Reviewed Journal)
- IV. **Üç Farklı Yapay Sinir Ağı Yöntemi Kullanılarak Toprak Penetrasyon Direnci Tahmini**
ÜNAL İ., SÖZER S., KABAŞ Ö., ÇETİN S., TOPAKCI M.
Tarım Makinaları Bilimi Dergisi, vol.12, no.12, pp.95-102, 2016 (Peer-Reviewed Journal)
- V. **Nektarin [P. Perica (L.) Batsch, Var. Nectarina] Meyvesinin Bazı Mühendislik Parametrelerinin Belirlenmesi**
KABAŞ Ö., SÖZER S., ÜNAL İ.
Tarım Makinaları Bilimi Dergisi, vol.12, no.1, pp.65-68, 2016 (Peer-Reviewed Journal)
- VI. **Biogas Production From Agricultural Wastes In Laboratory Scale Biogas Plant**

- Küçükara B., YALDIZ O., SÖZER S., ERTEKİN C.
Tarım Makinaları Bilimi Dergisi, vol.7, no.4, pp.373-378, 2011 (Peer-Reviewed Journal)
- VII. **Muz Serası Atıkları ve Sığır Gübresi Karışımlarından Mezofilik Fermantasyon Sonucu Üretilebilecek Biyogaz Miktarının Belirlenmesi Üzerine Bir Araştırma**
SÖZER S., YALDIZ O.
AKDENİZ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.24, no.2, pp.75-78, 2011 (Peer-Reviewed Journal)
- VIII. **Biyogaz Teknolojisi**
SÖZER S., YALDIZ O.
Tarımın Sesi, no.20, pp.3-6, 2008 (Peer-Reviewed Journal)
- IX. **Alternatif Enerji Kaynaklarından Biyogaz**
SÖZER S., YALDIZ O.
Antalya İli Damızlık Sığır Yetiştiricileri Birliği Dergisi, no.8, pp.13-15, 2008 (Non Peer-Reviewed Journal)
- X. **Sığır Gübresi ve Peyniraltı Suyu Karışımlarından Biyogaz Üretimi Üzerine Bir Araştırma**
SÖZER S., YALDIZ O.
AKDENİZ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.19, pp.179-183, 2006 (Peer-Reviewed Journal)
- XI. **Tarımsal mekanizasyon alanında Türkiye ve Dünya'da yapılan yayınların dağılımı**
YALDIZ O., ERTEKİN C., SÖZER S., KÜLCÜ R.
TARIM MAKİNALARI BİLİMİ DERGİSİ, vol.1, pp.1-14, 2005 (Peer-Reviewed Journal)
- XII. **Farklı Büyüklükteki Biyogaz Tesislerinde Sabit Yatırım ve Enerji Üretim Maliyet Hesabı**
YALDIZ O., SÖZER S.
Tarım Makinaları Bilimi Dergisi, vol.1, no.3, pp.213-220, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Real-Time Electrical Resistivity Measurement and Mapping Platform of the Soils with an Autonomous Robot for Precision Farming Applications**
Ünal İ., Kabaş Ö., Sözer S.
in: Smart Sensing Technologies for Agriculture, Adamchuk Viacheslav, Sudduth Kenneth, Biswas Asim, Editor, MDPI (Multidisciplinary Digital Publishing Institute), Basel, pp.21-36, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **BIOGAS TECHNOLOGY AND DETERMINATION OF THE ENERGY THAT CAN BE OBTAINED AS A RESULT OF EVALUATION OF OLIVE POMACE USING BIOGAS TECHNOLOGY**
Sözer S.
6. ULUSLARARASI MARMARA BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, İstanbul, Turkey, 7 - 08 October 2023, pp.429-437
- II. **DETERMINATION OF THE AMOUNT OF LIVESTOCK' MANURE AND SOME AGRICULTURAL WASTES IN OUR COUNTRY AND ASSESSMENT WITH BIOGAS TECHNOLOGY**
Sözer S.
6. ULUSLARARASI MARMARA BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, İstanbul, Turkey, 7 - 08 October 2023, pp.438-446
- III. **MEASUREMENT OF ORANGE SIZE AND VOLUME USING MICROSOFT KINECT CAMERA**
ÜNAL İ., KABAŞ Ö., SÖZER S., SELVİ K., SAUK H.
4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018, vol.1, no.1, pp.236-238
- IV. **USABILITY OF KINECT CAMERA ON OUTDOOR CONDITIONS FOR AGRICULTURAL MOBILE ROBOTS**
ÜNAL İ., SÖZER S., KABAŞ Ö.
4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018,

vol.1, no.1, pp.237-240

- V. **DETERMINATION OF SOIL MOISTURE CONTENT AND SOIL PENETRATION RESISTANCE ACCORDING TO DIFFERENT SOIL TILLAGE**
KABAŞ Ö., ÜNAL İ., SÖZER S., SELVİ K., SAUK H.
4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018, vol.1, no.1, pp.35-40
- VI. **Biyogaz Üretiminde Fermantasyon Çamuru Kullanımı**
SÖZER S., ÜNAL İ., KABAŞ Ö.
International Workshop of Composting and Biogas Technologies (IWCB), Antalya, Turkey, 16 - 18 November 2017, vol.1, no.1, pp.8-12
- VII. **Toprak Penetrasyon Direncinin Tahmini için Genelleştirilmiş Regresyon Sinir Ağı ve Radyal Tabanlı Fonksiyon Yöntemlerinin Karşılaştırılması**
ÜNAL İ., KABAŞ Ö., ÇETİN S., SÖZER S.
International Congress of Agriculture and Environment (ICAE), Antalya, Turkey, 16 - 18 November 2017, vol.1, no.1, pp.85-90
- VIII. **Farklı Toprak İşleme Sistemlerinin Toprağın Mikrobiyal Aktivitesi Üzerine Etkisi**
KABAŞ Ö., SÖZER S., ÜNAL İ.
International Congress of Agriculture and Environment (ICAE), Antalya, Turkey, 16 - 18 November 2017, vol.1, no.1, pp.74-79
- IX. **Effect of Four Different Soil Tillage Systems on Fuel Consumption, Labor Requirements, Field Capacity and Working Time in West Mediterranean in Turkey (Part 2)**
KABAŞ Ö., ÜNAL İ., Selvi K. Ç., SÖZER S.
3RD INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapeşte, Hungary, 3 - 07 May 2017, pp.623
- X. **Implementation of Controller Area Network (CAN) and ZigBee Protocol for Precision Farming Application**
Ünal İ., Sözer S., Kabaş Ö., Topakçı M.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017, vol.1, no.1, pp.415-420
- XI. **Effect of Four Different Soil Tillage Systems on Fuel Consumption, Labor Requirements, Field Capacity and Working Time in West Mediterranean in Turkey (Part 2)**
KABAŞ Ö., ÜNAL İ., Selvi K. Ç., SÖZER S.
3RD INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapeşte, Hungary, 3 - 07 May 2017, pp.499-503
- XII. **Biyogaz Üretimini Artırmada Ön İşlem Olarak Ses Dalgaları Uygulamaları**
SÖZER S., ÜNAL İ., KABAŞ Ö.
10. Uluslararası Temiz Enerji Sempozyumu, İstanbul, Turkey, 24 - 26 October 2016, pp.146-149
- XIII. **Methane production from tomatoes wastes via co-fermentation**
SÖZER S., YALDIZ O.
CIGR Ageng 2016, Aarhus, Denmark, 26 - 29 June 2016, pp.1-5
- XIV. **Biogaz Production From Plant Waste in One Stage Anaerobic Digester.**
Yaldız O., Sözer S., Çağlayan N., Ertekin C., Kaya D.
IW2ES Ulararası Atıktan Enerji Sempozyumu, İstanbul, Turkey, 12 - 13 November 2009, pp.152
- XV. **Energy Use in Cereal Cultivation Over Turkey**
ERTEKİN C., KÜLCÜ R., SÖZER S., HEYBELİ N., YALDIZ O.
Conference on Management in Energy dedicated to Prof. Dr. Francisca Krawca, Varşova, Poland, 24 September 2009, pp.188-194
- XVI. **Tarımsal Atık Yönetimi, Enerji Üretimi, Döngüsel Ekonomi ve CO2 Ticareti**
YALDIZ O., SÖZER S., KÜLCÜ R.
Gap V.Tarım Kongresi, Şanlıurfa, Turkey, 17 - 19 October 2007, pp.219-228
- XVII. **Bazı Bitkisel Atıkların Biyogaz Teknolojisi ile Değerlendirilmesi**

SÖZER S., YALDIZ O.

V. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 26 - 28 May 2004, vol.2, pp.609-618

XVIII. **Biyogaz teknolojisinin çevresel etkileri**

YALDIZ O., SÖZER S.

IV. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 16 - 18 October 2002, pp.1011-1019

XIX. **Ülkemizdeki Hayvansal Atıkların Biyogaz Teknolojisi ile Değerlendirilmesi**

Sözer S., Yıldız O.

IV. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 16 - 18 October 2002, pp.1027-1035

XX. **Methanproduktion aus Reststoffen von Olivienölfabriken mit Zusatz von Sonnenblumenöl und Rinderflüssigmist**

SÖZER S., YALDIZ O.

5. Internationale Tagung: Bau, Technik und Umwelt in der Landwirtschaftlichen Nutztierhaltung, Stuttgart, Germany, 6 - 07 March 2001, pp.402-405

Supported Projects

SÖZER S., ERTEKİN C., ÜNAL İ., KABAŞ Ö., Project Supported by Higher Education Institutions, ZEYTİN POSASINDAN BİYOGAZ ÜRETİM OLANAKLARININ TESPİTİ ÜZERİNE BİR ARAŞTIRMA, 2019 - 2022

KABAŞ Ö., SÖZER S., ÜNAL İ., SELVİ K. Ç., Project Supported by Higher Education Institutions, TRAKTÖRDEN TAHRİKLİ TAŞINABİLİR BRİKETLEME MAKİNASI TASARIMI VE İMALATI, 2018 - 2021

Metrics

Publication: 43

Citation (WoS): 27

Citation (Scopus): 27

H-Index (WoS): 3

H-Index (Scopus): 3

Congress and Symposium Activities

Uluslararası Kompost ve Biyogaz Teknolojileri Çalıştayı, Attendee, Antalya, Turkey, 2017

10. Uluslararası Temiz Enerji Sempozyumu, Attendee, İstanbul, Turkey, 2016

30. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Attendee, Tokat, Turkey, 2016

Non Academic Experience

Other Public Institution, Gıda Tarım Ve Hayvancılık Bakanlığı, Bitki Sağlığı Şubesi

ANTALYA AKSU İLÇE GIDA TARIM VE HAYVANCILIK MÜDÜRLÜĞÜ