

Prof. Alper Taner

Personal Information

Email: alper.taner@omu.edu.tr

Web: <https://avesis.omu.edu.tr/alper.taner>

International Researcher IDs

ScholarID: HzZlR6MAAAAJ

ORCID: 0000-0001-8679-2069

Publons / Web Of Science ResearcherID: AHD-2451-2022

ScopusID: 55174904300

Yoksis Researcher ID: 18573

Education Information

Doctorate, Selcuk University, Fen Bilimleri Enstitüsü, Tarım Makinaları (Dr), Turkey 2001 - 2007

Postgraduate, Selcuk University, Fen Bilimleri Enstitüsü, Tarım Makineleri (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Selcuk University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği Bölümü, Turkey 1987 - 1991

Dissertations

Doctorate, Radyal santrifüj pompaların yapay sinir ağları ile tasarımı, Selcuk University, Fen Bilimleri Enstitüsü, Tarım Makinaları (Dr), 2007

Postgraduate, Konya yöresinde yaygın olarak kullanılan bazı dipkazanlarda çalışma derinliğinin toprak özelliklerine etkisi, Selcuk University, Fen Bilimleri Enstitüsü, Tarım Makineleri (YI) (Tezli), 2001

Research Areas

Agricultural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Tarım Makinaları Ve Teknolojileri Mühendisliği Bölümü, 2024 - Continues

Associate Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği Bölümü, 2010 - Continues

Courses

Tarımsal Mekanizasyonda Araştırma Deneme Metodlarının Kullanımı-2, Postgraduate, 2014 - 2015, 2013 - 2014

Tarım Makinaları, Undergraduate, 2014 - 2015, 2013 - 2014

Tarım Makinaları 1, Undergraduate, 2014 - 2015, 2013 - 2014

YAPAY SİNİR AĞLARI VE TARIMDA UYGULAMALARI, Doctorate, 2014 - 2015, 2013 - 2014

Geleneksel ve Azaltılmış Toprak İşleme Sistemleri, Postgraduate, 2014 - 2015, 2013 - 2014

Tarımsal Mekanizasyonda Araştırma Deneme Metodlarının Kullanımı-1, Postgraduate, 2014 - 2015, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multiclass Apple Varieties Classification Using Machine Learning with Histogram of Oriented Gradient and Color Moments**
Taner A., Mengstu M. T., Selvi K. Ç., Duran H., Kabaş Ö., Gür İ., Karaköse T., Gheorghită N.
APPLIED SCIENCES-BASEL, vol.13, no.13, 2023 (SCI-Expanded)
- II. **Application of Computational Intelligence in Describing Dust Emissions in Different Soil Tillage Applications in Middle Anatolia**
ÇARMAN K., Taner A., MİKAİL SOY F., SELVİ K. Ç., Ungureanu N., Vladut N.
AGRICULTURE-BASEL, vol.13, no.5, 2023 (SCI-Expanded)
- III. **Performance Analysis of Deep Learning CNN Models for Variety Classification in Hazelnut**
Taner A., Öztekin Y. B., DURAN H.
SUSTAINABILITY, vol.13, no.12, 2021 (SCI-Expanded)
- IV. **Classification of hazelnut varieties by using artificial neural network and discriminant analysis**
Keles O., Taner A.
SPANISH JOURNAL OF AGRICULTURAL RESEARCH, vol.19, no.4, 2021 (SCI-Expanded)
- V. **Comparison of energy of planting methods in wheat production in a semi-arid region**
Taner A., Arısoy R. Z., Kaya Y., Gültekin İ., Partigöç F.
Archives of Agronomy and Soil Science, vol.67, no.14, pp.1961-1973, 2021 (SCI-Expanded)
- VI. **Chestnut (*Castanea sativa* Mill.) cultivar classification: an artificial neural network approach**
Öztekin Y. B., Taner A., DURAN H.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.48, no.1, pp.366-377, 2020 (SCI-Expanded)
- VII. **Classification of Varieties of Grain Species by Artificial Neural Networks**
Taner A., Öztekin Y. B., Tekgüler A., Sauk H., DURAN H.
Agronomy, vol.8, no.7, 2018 (SCI-Expanded)
- VIII. **Comparison of Empirical Equations and Artificial Neural Network Results in Terms of Kinematic Viscosity Prediction of Fuels Based on Hazelnut Oil Methyl Ester**
ERYILMAZ T., ARSLAN M., YEŞİLYURT M. K., Taner A.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.35, no.6, pp.1827-1841, 2016 (SCI-Expanded)
- IX. **Measurements and modelling of wind erosion rate in different tillage practices using a portable wind erosion Tunnel Vėjo erozijos matavimai ir modeliavimas įvairiose žemės dirbimo sistemose, naudojant vėjo erozijos tunelį**
Çarman K., Marakoğlu T., Taner A., Mikailsoy F.
Zemdirbyste, vol.103, no.3, pp.327-334, 2016 (SCI-Expanded)
- X. **Effect of Tillage Systems on Energy Use Efficiency in Wheat Based Cropping Sequence**
Taner A., Kaya Y., Arısoy R. Z., Gultekin I., Partigoc F.
INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY, vol.18, no.2, pp.353-361, 2016 (SCI-Expanded)
- XI. **Prediction of Kinematic Viscosities of Biodiesels Derived from Edible and Non-edible Vegetable Oils by Using Artificial Neural Networks**
ERYILMAZ T., YEŞİLYURT M. K., Taner A., Celik S. A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.40, no.12, pp.3745-3758, 2015 (SCI-Expanded)
- XII. **THE EFFECTS OF VARIOUS TILLAGE SYSTEMS ON GRAIN YIELD, QUALITY PARAMETERS AND ENERGY INDICES IN WINTER WHEAT PRODUCTION UNDER THE RAINFED CONDITIONS**
Taner A., Arısoy R. Z., Kaya Y., Gultekin I., Partigoc F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.4A, pp.1463-1473, 2015 (SCI-Expanded)

- XIII. **Prediction of moisture dependent some physical properties of wheat using artificial neural network and fuzzy logic**
Taner A.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, no.1, pp.395-406, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Identification of Rice Leaf Blight Disease by Using Image Processing Techniques**
Soydan O., TANER A.
Anadolu Tarım Bilimleri Dergisi, vol.37, no.2, pp.341-360, 2022 (Peer-Reviewed Journal)
- II. **Prediction of Draft Force and Disturbed Soil Area of a Chisel Tine in Soil Bin Conditions Using Draft Force and Its Comparison with Regression Model**
ÇARMAN K., MARAKOĞLU T., TANER A., ÇİTİL E.
Selcuk Journal of Agriculture and Food Sciences, vol.35, no.1, pp.56-64, 2021 (Peer-Reviewed Journal)
- III. **Artificial Neural Network Model for Predicting Specific Draft Force and Fuel Consumption Requirement of a Mouldboard Plough**
ÇARMAN K., ÇİTİL E., TANER A.
Selcuk Journal of Agriculture and Food Sciences, vol.33, no.3, pp.241-247, 2019 (Peer-Reviewed Journal)
- IV. **Effects of Conventional and Reduced Tillage Methods on Some Traits of Wheat in Cotton- Wheat System**
YILDIRIM M., DUMLUPINAR Z., TANER A.
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.21, no.5, pp.678-685, 2018 (Peer-Reviewed Journal)
- V. **Orta Anadolu Bölgesi Kuru Koşullarında Buğday Tabanlı Üretimde Doğrudan Ekim**
Gültekin İ., PARTİGÖÇ F., GÜLTEKİN S., KAYA Y., ARISOY R. Z., TANER A.
KSÜ Doğa Bilimleri Dergisi, vol.20, pp.283-286, 2017 (Peer-Reviewed Journal)
- VI. **Determination of weed intensity in wheat production using image processing techniques**
Ağın O., TANER A.
Anadolu Tarım Bilimleri Dergisi, vol.30, no.2, pp.110-117, 2015 (Peer-Reviewed Journal)
- VII. **Classification of Durum Wheat Varieties by Artificial Neural Networks**
Taner A., Tekgüler A., Sauk H.
Anadolu Tarım Bilimleri Dergisi, vol.30, no.1, pp.51-59, 2015 (Peer-Reviewed Journal)
- VIII. **Yapay Sinir Ağları ile Makarnalık Buğday Çeşitlerinin Sınıflandırılması**
Taner A., Tekgüler A., Sauk H.
Anadolu Tarım Bilimleri Dergisi, vol.30, pp.51-59, 2015 (Peer-Reviewed Journal)
- IX. **Prediction of tire tractive performance by using artificial neural networks**
Çarman K., Taner A.
Mathematical and Computational Applications, vol.17, no.3, pp.182-192, 2012 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **PESTICIDE APPLICATION TECHNIQUES IN PRECISION AGRICULTURE**
Çetin M., DURAN H., TANER A.
XIII International Scientific Agriculture Symposium "AGROSYM 2022", Bosnia And Herzegovina, 06 October 2022
- II. **APPLICATION TECHNIQUES PESTICIDE IN IRAQ**
MOHAMMED R. N., DURAN H., TANER A.
XIII International Scientific Agriculture Symposium "AGROSYM 2022", Bosnia And Herzegovina, 06 October 2022
- III. **Convolutional Neural Networks in The Production and Processing of Wheat: A Survey**

Mengstu M. T., TANER A., DURAN H.

AGRO INTERNATIONAL CONFERENCE ON AGRICULTURE, Azerbaijan, 04 June 2022

IV. AGRICULTURAL PRODUCTS GRADING METHODS AND THEIR ASSOCIATED CHALLENGES

ÖZTEKİN Y. B., DURAN H., TANER A., BAITU G. P.

XII. International Scientific Agriculture Symposium AGROSYM, Bosnia And Herzegovina, 10 October 2021

V. Impact of Machine Learning in Agricultural Research

MENGSTU M. T., TANER A., ÖZTEKİN Y. B., DURAN H.

XII. International Scientific Agriculture Symposium, AGROSYM2021, Bosnia And Herzegovina, 07 October 2021

VI. Application of Machine Vision and Image Processing Techniques in Assessing the Quality of Nut Products

Gadalla O., ÖZTEKİN Y. B., TANER A., DURAN H.

XII. International Scientific Agriculture Symposium, AGROSYM2021, Bosnia And Herzegovina, 07 October 2021, pp.666-673

VII. Determination of Some Spraying Characteristics of Different Hydraulic Nozzles

Turgut E., DURAN H., ÖZTEKİN Y. B., TANER A.

XI. International Scientific Agriculture Symposium AGROSYM, Bosnia And Herzegovina, 08 October 2020

VIII. Application of Unmanned Aerial Vehicle Technology In Plant Diseases Detection

Gadalla O. A. A., ÖZTEKİN Y. B., TANER A., DURAN H.

XI. International Scientific Agriculture Symposium AGROSYM, Bosnia And Herzegovina, 08 October 2020

IX. MECHANIZATION OF HEMP HARVEST AND ITS IMPORTANCE

DURAN H., ÖZTEKİN Y. B., TANER A., Gadalla O.

XI International Agriculture Symposium "AGROSYM 2020", 8 - 09 October 2020

X. APPLICATION OF UNMANNED AERIAL VEHICLE TECHNOLOGY IN PLANTDISEASES DETECTION

ÖZTEKİN Y. B., Gadalla O., TANER A., DURAN H.

XI International Agriculture Symposium "AGROSYM 2020", 8 - 09 October 2020

XI. Long-Term Assessment of Conventional and No-Till Management on Winter Wheat Under Dryland Conditions in Central Turkey

GÜLTEKİN İ., ARISOY R. Z., PARTİGÖÇ F., KAYA Y., GÜLTEKİN S., TANER A., KAN M.

7th World Congress on Conservation Agriculture, Rosario, Argentina, 1 - 04 August 2017, pp.125

XII. Orta Anadolu Bölgesinde Buğday Üretiminde Farklı Ekim Yöntemlerinin Verim ve Verim Unsurları Üzerine Etkisi

TANER A., GÜLTEKİN İ., ARISOY R. Z., KAYA Y., PARTİGÖÇ F.

29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 2 - 05 September 2015

XIII. Orta Anadolu Bölgesi Kışlık Tahıl Tabanlı Tarla Bitkileri Tarımında Doğrudan Ekim

GÜLTEKİN İ., ARISOY R. Z., KAYA Y., PARTİGÖÇ F., GÜLTEKİN S., TANER A.

İç Anadolu Bölgesi 1. Tarım ve Gıda Kongresi, Niğde, Turkey, 2 - 04 October 2013, vol.1, pp.42-48

XIV. Doğrudan Ekim Yönteminin Ülkemizde Dünü Bugünü ve Geleceği Bahri Dağdaş Uluslararası Tarımsal Araştırma Enstitüsünün Çalışmaları

GÜLTEKİN İ., ARISOY R. Z., KAYA Y., PARTİGÖÇ F., TANER A., AKSOYAK Ş., GÜLTEKİN S.

Türkiye 10. Tarla Bitkileri Kongresi, Konya, Turkey, 10 - 13 September 2013, pp.183-189

XV. İstanbul Büyükşehir Belediyesi Kemerburgaz Kompost Tesisinde Üretilen Kompostun Buğday Üretiminde Gübre Olarak Kullanılabilirliğinin Araştırılması

ARISOY R. Z., KAYA Y., PARTİGÖÇ F., ÜLKER R., YILDIRIM T., TANER A., ÇAKMAK İ., ÖZTÜRK L., YAZICI A.

Türkiye 10.Tarla Bitkileri Kongresi, Konya, Turkey, 10 - 13 September 2013, pp.416-421

XVI. Yulaf Çeşitlerinin Yapay Sinir Ağları Kullanılarak Sınıflandırılması

TANER A., TEKGÜLER A., SAUK H., DEMİREL B.

27. TARIMSAL MEKANİZASYON ULUSAL KONGRESİ, Samsun, Turkey, 5 - 07 September 2012, pp.519-529

XVII. Kuru Ekmeklik Buğday T Aestivum L Bölge Verim Denemelerinin GGÇ Biplot Analizi İle Değerlendirilmesi

KAYA Y., Kara İ., Koç H., Güneş A., AKÇURA M., TANER S., Çeri S., AYRANCI R., Özer E., Ercan B., et al.

8. Tarla Bitkileri Kongresi, Hatay, Turkey, 19 - 22 October 2009

- XVIII. **The Effect of Various Cultural Practices on Zinc Concentrations of Winter Wheat Grains in Central Anatolia**
KALAYCI M., ÇEKİÇ C., SAVAŞLI E., ÖNDER O., DAYIOĞLU R., KAYA Y., TANER A., YAZICI A., ÇAKMAK İ.
Zinc Crops 2007, İstanbul, Turkey, 24 - 26 May 2007
- XIX. **Konya Koşullarında Farklı Tohum Sıklıklarında Ekilen Buğday Ve Tritikalenin Verim Ve Verim Unsurlarına Etkisi**
ARISOY R. Z., KAYA Y., TANER A., ÇERİ S., GÜLTEKİN İ.
Türkiye VI. Tarla Bitkileri Kongresi, Antalya, Turkey, 5 - 09 September 2005, pp.131-135
- XX. **Konya Çumra Koşullarında Farklı Azot Dozlarının Farklı Ekmeklik Buğday Çeşitlerinde Verim Ve Bazı Kalite Kriterlerine Etkisi**
PARTİGÖÇ F., TEZEL M., GÖÇMEN A., ARISOY R. Z., KAYA Y., TANER A., GÜLTEKİN İ.
Türkiye VI. Tarla Bitkileri Kongresi, Antalya, Turkey, 5 - 09 September 2005, pp.127-130
- XXI. **Konya Şartlarında Makarnalık Buğdayda Farklı Formlarda İlkbaharda Uygulanan Azotlu Gübrelerin Verim Ve Bazı Kalite Kriterleri Üzerine Etkisi**
TANER A., KAYA Y., ARISOY R. Z., ŞAHİN M., GÜLTEKİN İ., YILMAZ A.
Türkiye 3.Ulusal Gübre Kongresi, Tokat, Turkey, 11 - 13 October 2004, pp.383-390
- XXII. **The importance and control of dryland root rot A serious limitation to rainfed winter wheat production in Turkey Summary of the joint research program between Turkey and CIMMYT**
Bağcı S. A., Nicol J., Hekimhan H., GÜLTEKİN İ., Bolat N., Tunalı B., Erdurmuş D., ARISOY R. Z., KAYA Y., TANER A., et al.
International Caucasian Conference on Cereals and food legumes, Tbilisi, Georgia, 14 - 17 June 2004

Supported Projects

Taner A., Project Supported by Higher Education Institutions, Measurements and modelling of wind erosion rate in different tillage practices using a portable wind erosion tunnel, 2017 - 2023

Taner A., Project Supported by Higher Education Institutions, THE EFFECTS OF VARIOUS TILLAGE SYSTEMS ON GRAIN YIELD, QUALITY PARAMETERS AND ENERGY INDICES IN WINTER WHEAT PRODUCTION UNDER THE RAINFED CONDITIONS, 2015 - 2016