

Res. Asst. PhD TUNAHAN ERDEM

Personal Information

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Education Information

Doctorate, Cukurova University, Ziraat Fakültesi, Tarım Makinaları, Turkey 2007 - 2012

Post Graduate, Cukurova University, Ziraat Fakültesi, Tarım Makinaları, Turkey 2004 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, DEFNE (LAURUS NOBİLİS L.) MEYVESİNDEN YAĞ ELDE ETMEK AMACIYLA UYGULANAN FARKLI KURUTMA YÖNTEMLERİNİN ARAŞTIRILMASI, Cukurova University, Ziraat Fakültesi, Tarım Makinaları, 2012

Post Graduate, OZONLU SU İLE YIKANAN KIRMIZI PUL BİBERİN MİKRODALGA ENERJİSİ İLE KURUTULMASI, Cukurova University, Ziraat Fakültesi, Tarım Makinaları, 2007

Research Areas

Agricultural Sciences, Agriculture, Farm Machinery, Agricultural Tools and Machines, Agricultural Machinery Design and Manufacturing, Energy in Agriculture, Food Engineering, Food Technology, Fats Technology, Engineering and Technology

Academic Titles / Tasks

Medical Doctor, Cukurova University, Ziraat Fakültesi, Tarım Makinaları Bölümü, 2005 - Continues

Courses

Tarım Ürünleri Kurutma Teknikleri, Under Graduate, 2016 - 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Competitiveness of dried sector: A case study of world and Turkey**
ERDEM T.

- AGRICULTURAL ECONOMICS-ZEMEDELSKA EKONOMIKA, vol.66, pp.365-372, 2020 (Journal Indexed in SCI)
- II. **DRYING PARAMETERS OF ORANGE PULPS AT HOT AIR, INFRARED RADIATION AND HOT AIR ASSISTED INFRARED RADIATION DRYING**
ERDEM T., Sahan Z., Oztekin S., Şahan Z.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.1, pp.6638-6643, 2019 (Journal Indexed in SCI)
- III. **COLOR CHANGE ANALYSIS OF DRIED ORANGE SLICES DURING HOT AIR DRYING**
ERDEM T., ÖZLÜOYMAK Ö. B. , KIZILDAĞ N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, pp.6064-6072, 2018 (Journal Indexed in SCI)
- IV. **Determination of Residue, Drift and Biological Efficacy of Different Spray Methods Against Flower Thrips (Frankliniella spp.) (Thys., Thripidae) in Strawberries**
Yarpuz-Bozdoğan N., ATAKAN E., Bozdoğan A. M. , ERDEM T., DAĞLIOĞLU N., Kafkas E.
AMA-AGRICULTURAL MECHANIZATION IN ASIA AFRICA AND LATIN AMERICA, vol.48, pp.27-32, 2017 (Journal Indexed in SCI)
- V. **Determination of Dermal Exposure of Operator in Greenhouse Spraying**
Yarpuz-Bozdoğan N., BOZDOĞAN A. M. , DAĞLIOĞLU N., ERDEM T.
AMA-AGRICULTURAL MECHANIZATION IN ASIA AFRICA AND LATIN AMERICA, vol.48, pp.33-38, 2017 (Journal Indexed in SCI)
- VI. **Mathematical Modelling and Color Characteristics of Purslane (Portulaca oleraceae L.) Leaves Using Different Drying Methods**
Karaaslan S., ERDEM T., Oztekin S.
PHILIPPINE AGRICULTURAL SCIENTIST, vol.96, pp.267-274, 2013 (Journal Indexed in SCI)
- VII. **Effects of hot air and microwave drying on some physical properties of laurel berry**
Oztekin S., ERDEM T., KARAASLAN S.
AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, vol.6, pp.2676-2679, 2011 (Journal Indexed in SCI)
- VIII. **Effect of different pesticide application methods on spray deposits, residues and biological efficacy on strawberries**
Yarpuz-Bozdoğan N., ATAKAN E., BOZDOĞAN A. M. , Yılmaz H., DAĞLIOĞLU N., ERDEM T., Kafkas E.
AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, vol.6, pp.660-670, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Some Chemical Properties of Infrared Dried Neem Fruit in Turkey**
ERDEM T.
Turkish Journal of Agriculture - Food Science and Technology, vol.7, no.1, pp.958-962, 2019 (National Refreed University Journal)
- II. **A COMPARATIVE STUDY OF FATTY ACID EXTRACTION METHODS OF SESAME (Sesamum indicum L.) VARIETIES GROWN UNDER MEDITERRANEAN ENVIRONMENT**
KURT C., ARIOĞLU H., ERDEM T., Akkaya M. R. , El Sabagh A., Islam M. S.
JOURNAL OF EXPERIMENTAL BIOLOGY AND AGRICULTURAL SCIENCES, vol.4, pp.588-593, 2016 (Journal Indexed in ESCI)
- III. **"Microwave Drying Of Quince Slices"**
ERDEM T., KARAASLAN S.
SÜLEYMAN DEMİREL ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.1, no.1, 2016 (National Refreed University Journal)
- IV. **Peg strength of eight peanut cultivars grown in Mediterranean conditions**
KURT C., ERDEM T., ARIOĞLU H., BAKAL H., el sabagh a.
scientific journal of crop science, vol.5, pp.121-124, 2016 (Journal Indexed in ESCI)
- V. **Nar Çekirdeği Yağının Çıkarılması Amacıyla Farklı Kurutma Yöntemlerinin Uygulanması Üzerine Bir Araştırma**
Özgür A., ERDEM T., ÖZTEKİN M. S.

TARIM MAKİNALARI BİLİMİ DERGİSİ, vol.11, pp.167-172, 2015 (National Refreed University Journal)

- VI. **Mathematical Modelling of Orange Slices during Microwave, Convection, Combined Microwave and Convection Drying**
KARAASLAN S., ERDEM T.
Türk Tarım ve Doğa Bilimleri Dergisi, vol.1, no.1, pp.143-149, 2014 (National Refreed University Journal)
- VII. **Kesikli Mikrodalga Uygulamasının Kuruma Süresi, Enerji Tüketimi ve Renk Kalitesi Üzerine Etkisi**
ERDEM T., ÖZTEKİN M. S.
FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.16, pp.56-64, 2007 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ECONOMICAL EVALUATION TECHNIQUES FOR PRECISION SPRAYING**
SAY S. M. , ERDEM T., ŞEHRİ M.
1ST. INTERNATIONAL CONFERENCE OF RESEARCH ON AGRICULTURAL AND FOOD TECHNOLOGIES, Adana, Turkey, 3 - 05 October 2019, vol.1, pp.49
- II. **SAY M., S., ERDEM T., ŞEHRİ M., 2019. Determination Of The Factors Affecting The Adoption Rate Of Precision Farming By Swot Approach, I-CRAFT 2019 October 3-5, pp:11**
ERDEM T.
I-CRAFT 2019, Adana, Turkey, 3 - 05 October 2019, vol.1, no.1, pp.146-149
- III. **THE EVALUATED OF ORANGE PULPS DRIED BY DIFFERENT METHODS AND TEMPERATURE FOR DAIRY DIETS**
Şahan Y. D. D. Z. , CİNLİ H., ERDEM T., SERBESTER U., ÖZTEKİN M. S.
1ST INTERNATIONAL GAP AGRICULTURE AND LIVESTOCK CONGRESS, Şanlıurfa, Turkey, 25 - 27 April 2018, vol.1, no.1, pp.33-35
- IV. **INFLUENCE OF TILLAGE PRACTICES ON THE OIL YIELD OF SOYBEANS**
ERDEM T., TURGUT M. M.
AGROSYM 2017, Sarajevo, Bosnia And Herzegovina, 4 October - 08 September 2017, vol.1, no.1, pp.23-25
- V. **COMPARİSON OF FLAXSEED OİL EXTRACTED BY COLD PRESS AND SOLVENT EXTRACTİON METHOD**
ERDEM T., Akkaya M. R.
kkk, Konya, Turkey, 17 - 20 April 2017, vol.1, no.1, pp.33-35
- VI. **Orange Pulp Dried by Hot Air and Infrared Energy for Dairy Diets.**
ERDEM T., KIZILDAĞ N., Şahan Y. D. D. Z.
Food Factor Barcelona, Barcelona, Spain, 2 - 04 November 2016, vol.1, no.1, pp.111
- VII. **Some chemical properties of infrared dried neem fruit in Turkey**
ERDEM T., KIZILDAĞ N.
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.945
- VIII. **Sonlu Elemanlar Yöntemi ile Çizel Ayağında Statik Yük Analizi Melih Yavuz ÇEVİK, Ahmet İNCE, M. Tunç ÖZCAN, Tunahan ERDEM**
ERDEM T.
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi? 2-5 Eylül 2015, Diyarbakır, Turkey, 2 - 05 October 2015, vol.1, no.1
- IX. **Hıcaz Narının sıcak hava, kızılötesi ve mikrodalga yöntemi ile kurutulması**
ERDEM T.
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi? 2-5 Eylül 2015, Diyarbakır, Turkey, 2 - 05 September 2015, vol.1, no.1, pp.387
- X. **SOME PHYSICAL AND MECHANICAL PROPERTIES OF FIVE CULTIVARS OF PEANUTS**
ERDEM T., KURT C.
ciosta 2015, Petersburg, Russia, 26 - 29 May 2015
- XI. **Phisycal and Mechanical Properties of Five Cultivars Peanuts**
ERDEM T.

ciosta 2015, Petersburg, Russia, 26 May 2015 - 29 May 2014, vol.01

- XII. **Microwave drying of persimmon**
ERDEM T.
ciosta 2015, Petersburg, Russia, 26 - 29 May 2015
- XIII. **Mathematical Modelling of Microwave, Combined Microwave-Convective and Convective Drying Parameters of Pumpkin**
ERDEM T., KARAASLAN S.
18th World Congress of CIGR, Pekin, China, 16 - 19 September 2014, vol.1, no.1
- XIV. **SELECTION OF MODELS FOR MICROWAVE AND HOT AIR DRYING OF LAUREL BERRY**
ERDEM T., ÖZTEKİN M. S.
12th International Congress on Mechanization and Energy in Agriculture (ADAGENG2014), Nevşehir, Turkey, 3 - 06 September 2014, vol.1, no.1
- XV. **Modeling of Microwave Drying of Cornelian Cherry Fruits**
ERDEM T.
12th International Congress on Mechanization and Energy in Agriculture (ADAGENG2014), Nevşehir, Turkey, 3 - 06 September 2014, vol.1, no.1
- XVI. **Microwave Drying of Orange Peels and Its Mathematical Models**
ERDEM T., ÖZTEKİN M. S., KARAASLAN S.
12th International Congress on Mechanization and Energy in Agriculture (ADAGENG2014), Nevşehir, Turkey, 3 - 06 September 2014, vol.2014-10, no.4, pp.329-334
- XVII. **ENERGY CONSUMPTION OF MICROWAVE AND INFRARED DRYING OF LAUREL (LAURUS NOBILIS L.) BERRY**
Erdemi T., ÖZTEKİN S., KARAASLAN S. N.
5th International Conference on Trends in Agricultural Engineering, Prague, Czech Republic, 3 - 06 September 2013, pp.163-166
- XVIII. **The influence of microwave and hot air drying on oil yield of laurel berries.**
ERDEM T.
5th. International mechanical engineering forum, Prag, Czech Republic, 20 June 2012, vol.1, no.1, pp.323-329
- XIX. **Defne Meyvesinin Sıcak Hava ve Mikrodalga Yöntemi İle Kurutulması, Matematiksel Modellemesi ve Kurumanın Bazı Fiziksel ve Mekanik Özelliklere Etkisi.**
ERDEM T.
26. Tarımsal Ulusal Mekanizasyon Kongresi, 22-23 Eylül 2010 HATAY/TÜRKİYE, Hatay, Turkey, 22 - 23 September 2010, vol.1, no.1
- XX. **Trocknung von Lorbeerfrüchte**
ERDEM T.
VDTAN, Hatay, Turkey, 22 - 24 March 2010, vol.1, no.1
- XXI. **Semizotunun mikrodalga ile Kurutma Karakteristiklerinin İncelenmesi ve Uygun Kuruma Modelinin Belirlenmesi.**
ERDEM T.
25. Tarımsal Ulusal Mekanizasyon Kongresi, 01-03 Ekim 2009, Isparta, Isparta, Turkey, 1 - 03 September 2009, vol.1, no.111
- XXII. **Hot Air and Microwave Drying of Laurel Berry.**
ERDEM T.
XXXIII CIOSTA/CIGRV. Congress on Technology and Management to Ensure Sustainable Agriculture, Agro-systems, Forestry and Safety., Reggio Calabria, Italy, 17 - 19 June 2009, vol.1, no.1
- XXIII. **Determination of Efficiency of Conventional Spraying Method and Alternatively Environmentally Friendly Spray Application Techniques Against Strawberry Pests.**
ERDEM T., YARPUZ BOZDOĞAN N.
The 9th Workshop on Sustainable Plant Protection Techniques in Fruit Growing? SuProFruit 2007. 11-14 September, Malmö, Sweden, 11 - 14 September 2007, vol.1, no.1, pp.88
- XXIV. **Kırmızı Pul Biberin Ozonlanmış Su ile Sterilize Edilmesi ve Mikrodalga Enerjisi ile Kurutulması.**

ERDEM T.

Tarımsal Mekanizasyon 24. Ulusal Kongresi, 05-07 Eylül 2007, Kahramanmaraş., Kahramanmaraş, Turkey, 5 - 07 September 2007, vol.01, pp.394-401

Supported Projects

ERDEM T., TUBITAK Project, Kurutulmuş Meyvelerin Renk Ve Boyuta Göre Otomatik Sınıflandırılması İçin Bir Yapay Görme Sistemi Geliştirilmesi, 2018 - Continues

ÖZTEKİN M. S., ERDEM T., Project Supported by Higher Education Institutions, Erik meyvesinin Güneş Enerjisi ve Kızılötesi Işınım ile Kurutulması, 2014 - 2018

YARPUZ BOZDOĞAN N., ERDEM T., TUBITAK Project, Melia Azedarach (Tesbih) ağacı meyvelerinden organik tarım ilacı (neem yağı ve tozu) ve organik gübre üretimi, 2014 - 2015

ERDEM T., TUBITAK Project, Defne Meyvelerinin kurutulması Proje No: TOVAG 1090307, 2009 - 2012

TUBITAK Project, Biobed: Pülverizatörlerin İlaçlama Hazırlığında ve İlaçlama Sonrası Temizliğinde Pestisitlerin Çevreye Bulaşıklıklarının Azaltılmasında Kullanılan Biyolojik Sistem. Proje No: TOVAG 1070215., 2007 - 2009

ERDEM T., TUBITAK Project, Çilek Zararlılarına Karşı Çevreyle Dost İlaçlama Yöntemlerinin Etkinliğinin Belirlenmesi. Proje No: TOVAG 1060757,, 2006 - 2008

Memberships / Tasks in Scientific Organizations

Stratejist ve Akademisyenler Derneği (SAKA), Vice President, 2016 - Continues

Scientific Refereeing

turjaf, National Scientific Refreed Journal, August 2019

turjaf, National Scientific Refreed Journal, August 2019

IJABE, SCI Journal, May 2018

Turjaf, National Scientific Refreed Journal, April 2018

IJABE, SCI Journal, March 2018

ijabe, SCI Journal, December 2017

IJABE, SCI Journal, September 2017

IJABE, SCI Journal, August 2017

Tarım Bilimleri Dergisi, SCI Journal, February 2017

İJABE, SCI Journal, January 2017

IJABE, SCI Journal, October 2016

IJABE Int. journal of Agriculture and Biology engineering, SCI Journal, March 2016

IJABE, SCI Journal, February 2016

IJABE International journal of agricultural and biological engineering., SCI Journal, November 2015

IJABE International Journal of Agricultural and Biological Engineering, SCI Journal, October 2015

Invited Congress and Symposium Activities

AGROSYMS 2017, Attendee, Sarajevo, Bosnia And Herzegovina, 2017

Food Factor Barcelona, Attendee, Barcelona, Spain, 2016

IMSEC, Attendee, Adana, Turkey, 2016

CIOSTA 2015, Attendee, Sankt Peterburg, Russia, 2015

18 th World Congress of CIGR, Attendee, Pekin, China, 2014

ADAGENG 2014, Attendee, Nevşehir, Turkey, 2014

International Conference On Trends İn Agricultural Engineering. Prague Czech Republic, Attendee, Prag, Czech Republic, 2013

5th. International mechanical engineering forum. June 20-22 2012 Prague Czech Republic, Attendee, Prag, Czech Republic, 2012

Ulusal Mekanizasyon Kongresi, Attendee, Hatay, Turkey, 2010

VDTAN. (Türk-Alman işbirliği), Attendee, Hatay, Turkey, 2010

XXXIII CIOSTA/CIGRV. Congress on Technology and Management to Ensure Sustainable Agriculture, Attendee, Reggio-Calabria, Italy, 2009

Internatioanal congress of Energy in Agriculture, Attendee, Antalya, Turkey, 2008

Suprofruitworkshop, Attendee, Malmö, Sweden, 2007

Ulusal Mekanizasyon Kongresi, Attendee, Kahramanmaraş, Turkey, 2007

Ulusal Tarım Kongresi, Attendee, Adana, Turkey, 2006

Ulusal Mekanizasyon kongresi, Attendee, Çanakkale, Turkey, 2006

ITAFE, Attendee, adana, Turkey, 2005

Citations

Total Citations (WOS):24

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