

Prof. ÜNAL KIZIL

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Biography

Professor Dr. Ünal KIZIL After completing his undergraduate studies in the Department of Agricultural Structures and Irrigation, Faculty of Agriculture, Uludağ University in 1996, he started his graduate studies as a Research Assistant in the Department of Agricultural Structures and Irrigation, Institute of Natural and Applied Sciences, Uludağ University. He completed his master's degree in 1999 with his dissertation entitled "Ventilation Approaches for Dairy Barns and Case Study For Bursa Region"

After completing his master's degree in 1999, he worked as a visiting research assistant at the Department of Agriculture and Biosystem Engineering at North Dakota State University in the United States to work on agricultural waste management in livestock barns. In 2000, she started his PhD studies in the same department as a Research Assistant. In the last year of his doctoral study, she lectured on animal shelters and agricultural waste management. In 2003, he received his PhD from North Dakota State University with his thesis titled "Development of a Software Program for Feedlot Hydrology / Nutrient Management and GIS Database for North Dakota".

From 2004 to 2007, he worked at Dickinson Research and Extension Center, North Dakota State University, as an engineer on livestock barns and waste management. He worked as an R & D engineer in Elinsan Environmental Technologies Inc. between 2007 and 2009. He, then, served assistant prof. in Çanakkale Onsekiz Mart University Biga Vocational High School between 2009 and 2011. He has been working in the Agricultural Structures and Irrigation department of same university as a professor.

Education Information

Doctorate, North Dakota State University, College Of Engineering And Architecture, Agricultural And Biosystems Engineering, United States Of America 2000 - 2003

Post Graduate, Bursa Uludağ University, Fen Bilimleri Enst., Tarımsal Yapılar Ve Sulama Bölümü, Turkey 1996 - 1999

Under Graduate, Bursa Uludağ University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü, Turkey 1992 - 1996

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Other, Design of Stormwater Management Systems, Water Resources Learning Center, 2006

Other, ACI - Concrete Field Testing Technician, American Concrete Institute, 2005

Dissertations

Doctorate, DEVELOPMENT OF A SOFTWARE PROGRAM FOR FEEDLOT HYDROLOGY/NUTRIENT MANAGEMENT AND GIS DATABASE FOR NORTH DAKOTA, North Dakota State University, College Of Engineering And Architecture, Agricultural And Biosystems Engineering, 2003

Post Graduate, SÜT SIĞIRI AHIRLARINDA HAVALANDIRMAYA İLİŞKİN YAKLAŞIMLAR VE BURSA İLİ UYGULAMASI, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama Bölümü, 1999

Research Areas

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

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2016 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü, 2011 - 2016

Assistant Professor, Canakkale Onsekiz Mart University, Biga Meslek Yüksek Okulu, Teknik Programlar, 2009 - 2011

Professional Experience

Head of Department, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2015 - Continues

Assistant Director of the Institute, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, 2015 - 2019

Courses

Tarımsal Yapılar, Under Graduate, 2018 - 2019

Mukavemet, Under Graduate, 2018 - 2019

Statik, Under Graduate, 2018 - 2019

Betonarme, Under Graduate, 2018 - 2019

Tarımsal Yapıların Tasarımı, Under Graduate, 2018 - 2019

Hayvan Barınakları, Under Graduate, 2018 - 2019

Meteoroloji, Under Graduate, 2018 - 2019

Advising Theses

KIZIL Ü., KÜÇÜK SÜT SIĞIRI BARINAKLARININ MODERNİZASYONUNDA SERA TİPİ VE GELENEKSEL YAPI SİSTEMLERİNİN KARŞILAŞTIRILMASI, Post Graduate, G.YILMAZ(Student), 2019

KIZIL Ü., Kanatlı İşletmelerinden Kaynaklanan Koku Probleminin Belirlenmesinde Bir E-Burun Sisteminin Kullanılması, Post Graduate, K.Sezen(Student), 2017

KIZIL Ü., GÜBRE İŞLETİM PLANLAMASINDA UZAKTAN ALGILAMA CBS VE YÜZEY İSTATİSTİĞİ YÖNTEMLERİNİN KULLANILMASI: GÜMÜŞÇAY BELDESİ UYGULAMA ÖRNEĞİ, Post Graduate, S.AKSU(Student), 2014

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

I. E-nose identification of Salmonella enterica in poultry manure

KIZIL Ü., GENÇ L., GENÇ T. T. , RAHMAN S., Khaitsa M. L.

BRITISH POULTRY SCIENCE, vol.56, no.2, pp.149-156, 2015 (Journal Indexed in SCI)

- II. **DESIGN AND TEST OF A LOW-COST ELECTRONIC NOSE SYSTEM FOR IDENTIFICATION OF SALMONELLA ENTERICA IN POULTRY MANURE**
KIZIL Ü., GENÇ L., RAHMAN S., Khaitsa M. L. , GENC T. T.
TRANSACTIONS OF THE ASABE, vol.58, no.3, pp.819-826, 2015 (Journal Indexed in SCI)
- III. **YIELD ESTIMATE USING SPECTRAL INDICES IN EGGPLANT AND BELL PEPPER GROWN UNDER DEFICIT IRRIGATION**
DEMİREL K., GENÇ L., Bahar E., İNALPULAT M., Smith S., KIZIL Ü.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.5, pp.1232-1237, 2014 (Journal Indexed in SCI)
- IV. **THE VARIATION OF PLANT STRESS INDICATORS AND SOME TRAITS UNDER DIFFERENT IRRIGATION AND NITROGEN LEVELS IN THE ROCKET**
DEMİREL K., ÇAMOĞLU G., GENÇ L., KIZIL Ü.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.5, pp.1238-1248, 2014 (Journal Indexed in SCI)
- V. **Determination of water stress with spectral reflectance on sweet corn (Zea mays L.) using classification tree (CT) analysis**
GENÇ L., İNALPULAT M., KIZIL Ü., MIRIK M., SMITH S. E. , MENDEŞ M.
ZEMDIRBYSTE-AGRICULTURE, vol.100, no.1, pp.81-90, 2013 (Journal Indexed in SCI)
- VI. **PREDICTION OF LEAF WATER STATUS USING SPECTRAL INDICES FOR YOUNG OLIVE TREES**
ÇAMOĞLU G., KAYA U., AKKUZU E., GENÇ L., GURBUZ M., Mengü G. P. , KIZIL Ü.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, pp.2713-2720, 2013 (Journal Indexed in SCI)
- VII. **Lettuce (Lactuca sativa L.) yield prediction under water stress using artificial neural network (ANN) model and vegetation indices**
KIZIL Ü., GENÇ L., İNALPULAT M., Sapolyo D., Mirik M.
ZEMDIRBYSTE-AGRICULTURE, vol.99, no.4, pp.409-418, 2012 (Journal Indexed in SCI)
- VIII. **IDENTIFICATION OF PHOSPHORUS-SENSITIVE REGIONS USING FIELD DATA, REMOTE SENSING IMAGERY AND KRIGING TECHNIQUES TO MITIGATE OVERUSE OF FERTILIZER IN A NORTHWESTERN TOWN OF TURKEY**
GENÇ L., KIZIL Ü., MÜFTÜOĞLU N. M. , Smith S. E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.10, pp.2555-2561, 2011 (Journal Indexed in SCI)
- IX. **Artificial Neural Network Model as a statical analysis tool in pipe-framed greenhouse design**
KIZIL Ü., Sacan M.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.8, no.2, pp.843-846, 2010 (Journal Indexed in SCI)
- X. **Comparisons of alternative feedlot runoff management systems**
Kizil U.
AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, vol.5, no.3, pp.236-242, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Süt Sığırı İşletmelerinin Kapasite Hesaplarının Yapılmasında Kullanılacak Android Tabanlı Bir Uygulamanın Geliştirilmesi**
ALTINBİLEK H. F. , KIZIL Ü.
ÇOMÜ ZİRAAT FAKÜLTESİ DERGİSİ, vol.7, no.2, pp.249-257, 2019 (Refereed Journals of Other Institutions)
- II. **Design of an Arduino based digital psychrometric device**
Kızıl Ü., Aksu S.
Mustafa Kemal Üniversitesi Tarım Bilimleri Dergisi, vol.24, pp.1-8, 2019 (Refereed Journals of Other Institutions)
- III. **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 (Refereed Journals of Other Institutions)
- IV. **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 (Refereed Journals of Other Institutions)
- V. **Kanatlı İşletmelerinden Kaynaklanan Koku Probleminin Belirlenmesinde Bir E-Burun Sisteminin Kullanılması**
SEZEN K., KIZIL Ü.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.3, no.2, pp.59-71, 2017 (Other Refereed National Journals)
- VI. **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 (Refereed Journals of Other Institutions)
- VII. **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 (Refereed Journals of Other Institutions)
- VIII. **SütSomatikHücreSayısınınE-BurunileBelirlenmesi**
İNALPULAT M., KIZIL Ü., BİLGÜCÜ E., GENÇ L.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.2, no.1, pp.22-35, 2016 (Other Refereed National Journals)
- IX. **Bir Elektronik Burun Sisteminin Hayvan Barınaklarından Kaynaklanan Koku Probleminin Değerlendirilmesinde Kullanım Olanakları**
KIZIL Ü., GENÇ L., AKSU S.
Ege Üniversitesi Ziraat Fakültesi Dergisi, 2016 (Refereed Journals of Other Institutions)
- X. **Bir Elektronik Burun Sisteminin Hayvan Barınaklarından Kaynaklanan Koku Probleminin Değerlendirilmesinde Kullanım Olanakları**
KIZIL Ü., GENÇ L., AKSU S.
Ege Üniversitesi Ziraat Fakültesi Dergisi, vol.53, no.4, pp.435-440, 2016 (Refereed Journals of Other Institutions)
- XI. **Evulation of the Relationship between Bacterial Population and Associated Gas Generation in Soaking Float of Sheep Skin Using a Sensor Array System**
KIZIL Ü., YAPICI A. N. , MERİÇLİ YAPICI B., BİLGİ S. T. , İNALPULAT M.
Leather and Footwear Journal, vol.14, no.2, pp.93-106, 2014 (Refereed Journals of Other Institutions)
- XII. **Evaluation of the relationship between bacterial population and associated gas generation in soaking float of sheep skin using a sensor array system Evaluarea relației dintre populația de bacterii și generarea de gaze asociate în flota de înmuiere a pieilor de oaie folosind un sistem de senzori**
KIZIL Ü., YAPICI A. N. , Yapici B. M. , BİLGİ S. T. , İNALPULAT M.
Leather and Footwear Journal, vol.14, no.2, pp.93-106, 2014 (Refereed Journals of Other Institutions)
- XIII. **Elektronik Burun Sistemlerinin Tasarım İlkeleri**
KIZIL Ü., İNALPULAT M., GENÇ L.
Uludağ Üniversitesi Ziraat Fakültesi Dergisi, vol.25, no.1, pp.109-118, 2011 (Other Refereed National Journals)
- XIV. **A Design Software for Plastic-Covered, Pipe-Framed Greenhouses**
KIZIL Ü., GENÇ L., Sacan M.
JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESİ DERGİSİ, vol.7, no.3, pp.147-153, 2010 (Journal Indexed in ESCI)
- XV. **Plastik Örtülü Boru Çerçevesi Seraların Projelenmesinde Kullanılabilecek Bir Yazılımın Geliştirilmesi**
KIZIL Ü., GENÇ L., İNALPULAT M.
Tekirdağ Ziraat Fakültesi Dergisi, vol.7, no.0, pp.147-153, 2010 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Forest Cover Changes in Aegean-Mediterranean Coast of Turkey**
İNALPULAT M., GENÇ L., DEMİREL K., KIZIL Ü.

2nd International Congress on Architecture and Design, 11 - 12 October 2018

- II. **KÜÇÜK SÜT SIĞIRI BARINAKLARININ MODERNİZASYONU VE BİGA ÖRNEĞİ**
YILMAZ G., KIZIL Ü.
2. Uluslararası Mimarlık ve Tasarım Kongresi, 11 - 12 October 2018
- III. **Forest Cover Change in Aegean-Mediterranean Coast of Turkey**
İNALPULAT M., GENÇ L., DEMİREL K., KIZIL Ü.
II. Uluslararası Mimarlık ve Tasarım Kongresi, Çanakkale, Turkey, 11 - 12 October 2018, pp.91-98
- IV. **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
- V. **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
- 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. **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
- VIII. **Optimum Gübre İşletim Modellerinin Bölgesel Olarak Belirlenmesi**
AKSU S., KIZIL Ü.
II. Çanakkale Tarımı Sempozyumu, Turkey, 14 - 15 December 2017, pp.128
- IX. **Greenhouse mapping using Landsat imageries: Case study of Kumluca and Finike districts of Antalya province, Turkey**
Karabulut İ., İNALPULAT M., KIZIL Ü., GENÇ L.
INTERNATIONAL CONGRESS on LANDSCAPE ARCHITECTURE RESEARCH, 6 - 10 September 2017
- X. **Gübre yönetiminde besin bütçesi yöntemi için bir bilgisayar programının geliştirilmesi ve uygulama örneği**
KIZIL Ü., AKSU S., GENÇ L.
13. Ulusal Kültürteknik Kongresi, Turkey, 12 - 15 April 2016
- XI. **Performance Comparison of a Low Cost Air Quality Sensor with a Commercial Electronic Nose**
KIZIL Ü., GENÇ L., AKSU S., TAPINÇ A.
17th International Conference on Agricultural Science, Technology and Engineering, 13 - 14 August 2015, vol.9, pp.722-725
- XII. **Developing a Town Based Soil Database to Assess the Sensitive Zones in Nutrient Management**
AKSU S., KIZIL Ü.
17th International Conference on Agricultural Science, Technology and Engineering, 13 - 14 August 2015, vol.9, pp.858-863
- XIII. **Processing E Nose Data for Salmonella Enterica Detection in Poultry Manure**
KIZIL Ü., GENÇ L., TURGUT GENÇ T., RAHMAN S., MARGARET K.
International Conference on Biological, Civil and Environmental Engineering, Dubai, United Arab Emirates, 17 - 18 March 2014
- XIV. **Processing E nose Data for Salmonella Enterica Detection in Poultry Manure**
KIZIL Ü., GENÇ L., TURGUT GENÇ T., Rahman S., L KHAITSA M.
International Conference on Biological, Civil and Environmental Engineering, 17 - 18 March 2014, pp.106-109
- XV. **Elektronik Burun E Burun Sensör Sistemlerinin Biyosistem Mühendisliğinde Kullanımı**
MELİS S., KIZIL Ü.
2010 I. Ulusal Sulama ve Tarımsal Yapılar Sempozyumu, Kahramanmaraş, Turkey, 27 - 29 May 2010, vol.2, pp.753-

- XVI. **Sera Tasarımında Basit Çerçeve Sistemlerin Hiperstatik Çözümlerinin Excel Paket Programında Çözüm Olanakları**
ŞİMŞEK E., KIZIL Ü., ARICI İ., YASLIOĞLU E.
1998 2. Ulusal Tarımda Bilgisayar Uygulamaları Sempozyumu, Konya, Turkey, 28 - 30 September 1998, pp.25-32
- XVII. **Süt Sığırlarında Isı Stresi ve Isı Stresine Karşı Alınabilecek Önlemler**
KIZIL Ü., ARICI İ., ŞİMŞEK E., YASLIOĞLU E.
1998 Ege Bölgesi 1. Tarım Kongresi konferansı, Aydın, Turkey, 7 - 11 September 1998, vol.2, pp.173-180
- XVIII. **Hayvansal Kaynaklı Atıkların Tarımda Kullanım Olanakları**
KIZIL Ü., BÜYÜKCANGAZ H., DEMİRTAŞ Ç., YASLIOĞLU E.
1998 Kayseri 1. Atıksu Sempozyumu, Turkey, 22 - 24 June 1998, pp.183-189
- XIX. **Serbest Duraklı Süt Sığırı Ahırlarında Sağım Ünitesi Planlaması ve Farklı Sağım Sistemlerinin Karşılaştırılması**
ŞİMŞEK E., KIZIL Ü., YASLIOĞLU E.
1997 6. Ulusal Kültürteknik Kongresi, Bursa, Turkey, 5 - 08 June 1997
- XX. **Sera Tasarım Yaklaşımları Üzerine Bir İnceleme ve İznik Yöresine Ait Uygulama Örneği**
KURTAĞA C., ARICI İ., ŞİMŞEK E., KIZIL Ü.
1997 2. Simav Seracılık Sempozyumu, Simav Kütahya, Turkey, 31 May - 01 June 1997

Supported Projects

DARDENİZ A., AKÇURA M., KIZIL Ü., YILDIRIM M., GENÇ H., TAŞ İ., AKÇAL A., KAYA S., ERKEN O., Project Supported by Higher Education Institutions, Sera Şartlarında Sebze ve Süs Bitkileri Yetiştiriciliğine Yönelik Üretim Teknikleri ve Tarımsal Uygulamalar Üzerine Araştırmalar, 2017 - 2020

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., TURGUT GENÇ T., GENÇ L., TUBITAK Project, TAVUK GÜBRESİNDE BULUNABİLECEK SALMONELLA (S. ENTERICA) PATOJENİNİN BELİRLENMESİNDE KULLANILABİLECEK BİR ELEKTRONİK BURUN SİSTEMİNİN GELİŞTİRİLMESİ, 2012 - 2014

Activities in Scientific Journals

Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Assistant Editor, 2015 - Continues

ANADOLU TARIM BİLİMLERİ DERGİSİ, Advisory Committee Member, 2012 - Continues

Memberships / Tasks in Scientific Organizations

Ziraat Mühendisleri Odası, Member, 2008 - Continues

American Society of Agricultural and Biological Engineers, Member, 2001 - 2007

Scientific Refereeing

ANADOLU TARIM BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, December 2012

Environmental Technology, Other Indexed Journal, October 2012

Fresenius Environmental, SCI Journal, April 2011

Biosystems Engineering, SCI Journal, May 2006

Transactions of the ASABE, SCI Journal, June 2005

Citations

Total Citations (WOS):73

h-index (WOS):5

Scholarships

2002 Fellowship, Official Institutions of Foreign Countries, 2002 - Continues

PhD Assistantship, University, 2000 - Continues

International Visiting Research Assistant Scholarship, University, 1999 - Continues

Staj Bursu, Official Institutions of Foreign Countries, 1995 - Continues