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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAP-4651-2021

ScopusID: 57193403246

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2013 - Continues

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Mobil Robotların Bina İçi Koşullarda Ulaşma Zamanı Kullanılarak Kablosuz Konumlandırılması, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği Abd, 2013

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Vehicle Systems Dynamics, Engineering and Technology

Academic Titles / Tasks

Lecturer, Erciyes University, Ziraat Fakültesi, Biyosistem Mühendisliği, 2013 - Continues

Courses

TERMODİNAMİK, Undergraduate, 2018 - 2019

NÜMERİK ANALİZ, Undergraduate, 2018 - 2019

ELEKTRİK VE ELEKTRONİK, Undergraduate, 2018 - 2019

MAKİNE ELEMANLARI, Undergraduate, 2018 - 2019

DİFERANSİYEL DENKLEMLER, Undergraduate, 2018 - 2019
MATEMATİK 1, Undergraduate, 2018 - 2019
HASSAS TARIM, Undergraduate, 2018 - 2019
BİYOSİSTEM MÜHENDİSLİĞİNDE ENSTRUMENTASYON, Undergraduate, 2018 - 2019
GÜÇ MAKİNALARI, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Prediction of Walnut Mass Based on Physical Attributes by Artificial Neural Network (ANN)**
Prognose des Fruchtgewichts von Walnüssen anhand physikalischer Fruchteigenschaften mittels Künstlicher Neuronaler Netze
Demir B., ESKİ İ., GÜRBÜZ F., KUŞ Z. A., Sesli Y., ERCİŞLİ S.
Erwerbs-Obstbau, vol.62, no.1, pp.47-56, 2020 (SCI-Expanded)
- II. **Control of unmanned agricultural vehicles using neural network-based control system**
ESKİ İ., KUŞ Z. A.
Neural Computing and Applications, vol.31, pp.583-595, 2019 (SCI-Expanded)
- III. **Design of Neural Network Predictor for the Physical Properties of Almond Nuts**
ESKİ İ., Demir B., GÜRBÜZ F., KUŞ Z. A., Yılmaz K. U., Uzun M., ERCİŞLİ S.
ERWERBS-OBSTBAU, vol.60, no.2, pp.153-160, 2018 (SCI-Expanded)
- IV. **Possible Use of Data Mining for Analysis and Prediction of Apple Physical Properties**
Demir B., GÜRBÜZ F., ESKİ İ., KUŞ Z. A., Yılmaz K. U., ERCİŞLİ S.
ERWERBS-OBSTBAU, vol.60, no.1, pp.1-7, 2018 (SCI-Expanded)
- V. **Estimation of the Weights of Almond Nuts Based on Physical Properties through Data Mining**
GÜRBÜZ F., Demir B., ESKİ İ., KUŞ Z. A., Yılmaz K. U., İLİKÇİOĞLU E., ERCİŞLİ S.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, no.2, pp.579-584, 2018 (SCI-Expanded)
- VI. **Estimation of the Colour Properties of Apples Varieties Using Neural Network**
KUŞ Z. A., Demir B., ESKİ İ., GÜRBÜZ F., ERCİŞLİ S.
ERWERBS-OBSTBAU, vol.59, no.4, pp.291-299, 2017 (SCI-Expanded)
- VII. **Prediction of Physical Parameters of Pumpkin Seeds Using Neural Network**
Demir B., ESKİ İ., KUŞ Z. A., ERCİŞLİ S.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.45, no.1, pp.22-27, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Data Mining Approach For Prediction Of Fruit Color Properties**
Demir B., GÜRBÜZ F., ESKİ İ., KUŞ Z. A.
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.49, no.1, pp.37-43, 2018 (Peer-Reviewed Journal)
- II. **Mobil Robotların Bina İçi Koşullarda Ulaşma Zamanı Kullanılarak Kablosuz Lokalizasyonu**
KANAAN M., KUŞ Z. A.
Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.7, no.1, pp.99-119, 2018 (Peer-Reviewed Journal)
- III. **Mobil robotların bina içi koşullarda ulaşma zamanı kullanılarak kablosuz lokalizasyonu**
KANAAN M., KUŞ Z. A.
ÖMER HALİSDEMİR ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.7, no.1, pp.99-119, 2018 (Peer-Reviewed Journal)
- IV. **Görüntü İşleme Tekniği İle Yabancı Ot Renk Özelliklerinin Belirlenmesi**
Determination of Color Properties of Weed Using Image Processing
Demir B., Çetin N., Kuş Z. A.
Alınları Zirai Bilimler Dergisi, vol.31, no.2, pp.59-64, 2016 (Peer-Reviewed Journal)
- V. **Orta Anadolu Bölgesi İllerinde Tarımsal Mekanizasyon Düzeyinin Yıllara Göre Değişimi**

SAĞLAM C., KUŞ Z. A.

Nevşehir Bilim ve Teknolojileri Dergisi TARGİD, pp.364-371, 2016 (Peer-Reviewed Journal)

- VI. **Determination of Color Properties of Weed Using Image Processing**
Demir B., ÇETİN N., KUŞ Z. A.
ALINTERI JOURNAL OF AGRICULTURE SCIENCES, vol.31, no.2, pp.59-64, 2016 (ESCI)
- VII. **Mersin İli Tarımsal Biyokütle Enerji Eşdeğer Potansiyeli Agricultural Biomass Energy Equivalent Potential of Mersin Province**
Demir B., Kuş Z. A., İrik H. A., Çetin N.
Alnteri Ziraî Bilimler Dergisi, vol.29, no.2, pp.12-18, 2015 (ESCI)
- VIII. **Mersin İli Tarımsal Biyokütle Enerji Eşdeğer Potansiyeli**
Demir B., Kuş Z. A., İrik H. A., Çetin N.
Alnteri Ziraî Bilimler Dergisi, no.2015, pp.12-18, 2015 (ESCI)
- IX. **Orta Anadolu Süt Sığırcılığı İşletmelerindeki Değişimin Sağım Tesis ve Makineleri açısından değerlendirilmesi**
Sağlam C., Kuş Z. A., Yılmaz S.
TÜRK TARIM - GIDA BİLİM VE TEKNOLOJİ DERGİSİ, vol.3, no.2, pp.63-66, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Fruit Mass Estimator Based on Physical Attributes by Feed Forward Neural Network**
demir B., ESKİ İ., GÜRBÜZ F., KUŞ Z. A.
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, Kastamonu, Turkey, 26 April - 29 December 2018, vol.1, pp.508
- II. **MEYVELERDE FİZİKSEL ÖZELLİKLERİN TAHMİNİ**
GÜRBÜZ F., ESKİ İ., KUŞ Z. A., DEMİR B.
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.415
- III. **VERİ MADENCİLİĞİ İLE ELMALARIN RENK ÖZELLİKLERİNİ TANIMLAMA**
GÜRBÜZ F., ESKİ İ., DEMİR B., KUŞ Z. A.
II. INTERNATIONALSCIENTIFIC AND VOCATIONALSTUDIES CONGRESS (BILMES 2018), 5 - 08 July 2018
- IV. **PREDICTON THE KERNEL WEIGHT OF THE ALMOND NUT VIA FINDLAWS ENGINE**
GÜRBÜZ F., ESKİ İ., DEMİR B., KUŞ Z. A.
IV INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), 2 - 06 May 2018
- V. **Artificial Neural Network Structures to Forecast Physical Attributes of Different Agricultural Products**
demir B., ESKİ İ., GÜRBÜZ F., KUŞ Z. A.
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, Kastamonu, Turkey, 26 - 29 April 2018, vol.1, pp.382
- VI. **Control of front-wheel steering angle of unmanned agricultural vehicles with ANN-Based control system**
KUŞ Z. A., ESKİ İ.
International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 October - 29 November 2017, pp.124
- VII. **ESTIMATION OF PUMPKIN SEEDS PARAMETERS USING ARTIFICIAL NEURAL NETWORK**
ESKİ İ., Demir B., KUŞ Z. A.
International Conference on Advance in Science:ICAS2017, İstanbul, Turkey, 13 - 15 September 2017, vol.1, pp.141-145
- VIII. **DESIGN OF NEURAL NETWORK ESTIMATOR FOR THE PHYSICAL PROPERTIES OF ALMOND NUTS**
ESKİ İ., GÜRBÜZ F., DEMİR B., KUŞ Z. A.
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE: ICAS2017, İstanbul, Turkey, 13 - 15 September 2017, pp.146

- IX. **Adaptive Neuro-Fuzzy Inference System (ANFIS) Approach for Prediction of the Colour Features of Apple Fruits**
DEMİR B., KUŞ Z. A., ESKİ İ., GÜRBÜZ F.
International Conference on Agriculture, Forest, Food, Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.180
- X. **Radial Basis Neural Networks (RBNN) for the Weight Prediction of Walnut (Juglans regia L.) Cultivars**
KUŞ Z. A., DEMİR B., GÜRBÜZ F., ESKİ İ.
International Conference on Agriculture, Forest, Food, Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.230
- XI. **Potential Use of General Regression Neural Network to Estimate Colour Parameters of Apples**
DEMİR B., KUŞ Z. A., ESKİ İ., GÜRBÜZ F.
International Conference on Agriculture, Forest, Food, Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.272
- XII. **Weight Prediction of Maras-18 Walnut (Juglans regia L.) Cultivar Using Modular and Radial Basis Neural Networks**
KUŞ Z. A., DEMİR B., GÜRBÜZ F., ESKİ İ.
International Conference on Agriculture, Forest, Food, Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.283
- XIII. **ERZİNCAN İLİNİN TARIMSAL KÖKENLİ BİYOKÜTLEENERJİ EŞDEĞER POTANSİYELİ**
DEMİR B., ÇETİN N., KUŞ Z. A., KUŞ E.
ULUSLARARASI ERZİNCAN SEMPOZYUMU, Erzincan, Turkey, 28 September - 01 October 2016, vol.3, pp.641-646
- XIV. **ERZİNCAN İLİNİN TARIMSAL KÖKENLİ BİYOKÜTLE ENERJİ EŞDEĞER POTANSİYELİ AGRICULTURAL ORIGINATED BIOMASS ENERGY EQUIVALENT POTENTIAL OF ERZİNCAN PROVINCE**
DEMİR B., ÇETİN N., KUŞ Z. A., KUŞ E.
INTERNATIONAL ERZİNCAN SYMPOSIUM, Erzincan, Turkey, 28 September - 01 October 2016, vol.3, pp.641-646
- XV. **Erzincan İlinin Tarımsal Kökenli Biyokütle Enerji Eşdeğer Potansiyeli**
DEMİR B., ÇETİN N., KUŞ Z. A., KUŞ E.
Uluslararası Erzincan Sempozyumu, Erzincan, Turkey, 28 September - 01 October 2016, vol.3, pp.641-646
- XVI. **Bursa İli Bitki Koruma Makineleri Parkı**
DEMİR B., İRİK H. A., KUŞ Z. A.
1. Ulusal Biyosistem Mühendisliği Kongresi, Bursa, Turkey, 9 - 11 June 2015, pp.47

Metrics

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