

Res. Asst. FULYA AKDENİZ

Personal Information

Office Phone: [+90 262 303 3580](tel:+902623033580)

Email: fulya.akdeniz@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/fulya.akdeniz>

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Turkey 2017 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2013 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 2009 - 2013

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Human Computer Interaction, Neural Networks, Biosignal Processing, Telemedicine, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, 2017 - Continues

Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2017 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. Detecting audio copy-move forgery with an artificial neural network

AKDENİZ F., BECERİKLİ Y.

SIGNAL IMAGE AND VIDEO PROCESSING, vol.18, no.3, pp.2117-2133, 2024 (SCI-Expanded)

II. Classification of cardiac arrhythmias using Zhao-Atlas-Marks time-frequency distribution

AKDENİZ F., KAYIKÇIOĞLU İ., KAYIKÇIOĞLU T.

MULTIMEDIA TOOLS AND APPLICATIONS, vol.80, no.20, pp.30523-30537, 2021 (SCI-Expanded)

III. Time-frequency approach to ECG classification of myocardial infarction

KAYIKÇIOĞLU İ., AKDENİZ F., KÖSE C., KAYIKÇIOĞLU T.

Computers and Electrical Engineering, vol.84, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. ST Değişiminin Wigner-Ville Dağılım Esaslı Erken Tespiti

Kayıkçıoğlu İ., Ulutaş G., Akdeniz F., Kayıkçıoğlu T.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.746-753, 2017 (Peer-Reviewed Journal)

Kerereea Congress / Symposium Publications in Proceedings

- I. **A Comparative Study Based on Deep Learning and Machine Learning Methods for COVID-19 Detection Using Audio Signal**
AKDENİZ F., Damar M. N., Danacı B. İ., Savaş B. K., BECERİKLİ Y.
8th International Conference on Smart City Applications, SCA 2023, Paris, France, 4 - 06 October 2023, vol.906 LNNS, pp.457-466
- II. **A Review of a Research in Autonomous Vehicles with Embedded Systems**
AKDENİZ F., Atay M., Vural Ş., Savaş B. K., BECERİKLİ Y.
8th International Conference on Smart City Applications, SCA 2023, Paris, France, 4 - 06 October 2023, vol.906 LNNS, pp.229-239
- III. **Real Time Multi-digit Number Recognition System Using YOLOv3 and YOLOv5**
Irmak M. A., Akgün H., Ekşi E., Öztürk S., Akdeniz F., Savaş B. K., Becerikli Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.463-472
- IV. **A Comparative Analysis of SVM, LSTM and CNN-RNN Models for the BBC News Classification**
Karaman Y., AKDENİZ F., Savaş B. K., BECERİKLİ Y.
7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October 2022, vol.629 LNNS, pp.473-483
- V. **Linear Prediction Coefficients based Copy-Move Forgery Detection in Audio Signal**
AKDENİZ F., BECERİKLİ Y.
6th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2022, Ankara, Turkey, 20 - 22 October 2022, pp.770-773
- VI. **AKEL: Smart Glove Design that Recognizes Turkish Sign Language and An Android Operating System Based Mobile Application**
YAVUZ E., OZER A., AKDENİZ F., BECERİKLİ Y.
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), 15 - 17 October 2020
- VII. **Performance Comparison of Support Vector Machine, K-Nearest-Neighbor, Artificial Neural Networks, and Recurrent Neural networks in Gender Recognition from Voice Signals**
Akdeniz F., Becerikli Y.
2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 11 - 13 October 2019
- VIII. **Performance Comparison of Support Vector Machine and K-Nearest Neighbor Algorithms in Leaf Recognition System Based on Android Operating System Android Isletim Sistemine Dayali Yaprak Tanıma Sisteminde Destek Vektör Makineleri ve K-En Yakın Komsuluk Algoritmalarının Performans Karşlaştırması**
Çelebi O., Cem E., Badem A., Akdeniz F., Becerikli Y.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara, Turkey, 11 - 13 October 2019
- IX. **Detection of ECG arrhythmia using Zhao-Atlas Mark time-frequency distribution**
AKDENİZ F., KAYIKÇIOĞLU T.
2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- X. **Detection of ECG Arrhythmia Using Large Choi Williams Time-Frequency Feature Set**
AKDENİZ F., KAYIKÇIOĞLU T.
TIPTEKNO'17, 12 - 14 October 2017
- XI. **Real-Time Monitoring of ST Change for Telemedicine**
KAYIKÇIOĞLU İ., AKDENİZ F., KAYIKÇIOĞLU T., KAYA İ.
CMBEBIH 2017, 16 - 18 March 2017
- XII. **Using Wigner-Ville distribution in ECG arrhythmia detection for telemedicine applications**
AKDENİZ F., KAYIKÇIOĞLU İ., KAYA İ., KAYIKÇIOĞLU T.
Telecommunications and Signal Processing (TSP), 27 - 29 June 2016
- XIII. **Wigner-Ville distribution based ECG arrhythmia detection for telemedicine applications**
KAYIKÇIOĞLU İ., AKDENİZ F., KAYIKÇIOĞLU T.

Supported Projects

BECERİKLİ Y., AKDENİZ F., SAYAR A., KIR SAVAŞ B., KUL S., MADADUM H., Project Supported by Higher Education Institutions, 2019-GÖRÜNTÜ İŞLEME VE BİLGİSAYAR GÖRMESİ ARGE LABORATUVARI, 2019 - 2020
Kaya İ., Kayıkçıoğlu T., TUBITAK Project, 114E452 Kablosuz Vücut Algılayıcı Ağları Ve Uzaktan Hasta Takip Sistemi, 2015 - 2017

Metrics

Publication: 20

Citation (WoS): 11

Citation (Scopus): 34

H-Index (WoS): 2

H-Index (Scopus): 3