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Research Areas

Communication Engineering, Signal Processing, Biosignal Processing, Electrical and Electronics Engineering

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty Of Technology, Computer Engineering, 2014 - Continues

Research Assistant PhD, Marmara University, Faculty Of Technology, Computer Engineering, 2009 - 2014

Research Assistant, Marmara University, Faculty Of Technical Education, Electronic And Computer Education, 2002 - 2009

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

- I. **Determination of the Appropriate Kernel Structure in Electroencephalography Analysis of Alcoholic Subjects**
AKGÜN Ö.
TRAIEMENT DU SIGNAL, vol.37, no.4, pp.571-577, 2020 (Journal Indexed in SCI)
- II. **Spectral and Statistical Analysis for Damage Detection in Ceramic Materials**
AKGÜN Ö.
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- III. **Analysis of instantaneous frequency, instantaneous amplitude and phase angle of ferroresonance in electrical power networks'**
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- IV. **Analysis of Gait Dynamics of ALS Disease and Classification of Artificial Neural Networks**
AKGÜN Ö., Akan A., Demir H., Akıncı T. Ç.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.25, pp.183-187, 2018 (Journal Indexed in SCI)
- V. **Detection of Mitral Valve Diseases by Bicoherence Analysis of Heart Sound Signals**
Akgun Ö., Varol H. S.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.37, no.10, pp.3270-3273, 2017 (Journal Indexed in SCI)
- VI. **Fast fourier transformation of emitted noises from welding machines and their classification with acoustic method**
Gokmen G., Akgun Ö., Akıncı T. C. , Seker S.

MECHANIKA, vol.23, no.4, pp.588-593, 2017 (Journal Indexed in SCI)

VII. The defect detection in ceramic materials based on wavelet analysis by using the method of impulse noise

AKGÜN Ö., AKINCI T. Ç., NOĞAY H. S., Seker S.

JOURNAL OF VIBROENGINEERING, vol.15, no.2, pp.816-823, 2013 (Journal Indexed in SCI)

VIII. Time frequency analysis of patent ductus arteriosus disease in dogs

AKGÜN Ö., Varol H. S.

PRZEGLAD ELEKTROTECHNICZNY, vol.88, pp.309-313, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

I. EFFECTS OF REAL AND IMAGINARY HAND MOVEMENTS ON EEG

AKGÜN Ö.

THE JOURNAL OF COGNITIVE SYSTEMS, vol.5, no.2, pp.94-98, 2020 (Refereed Journals of Other Institutions)

II. Damage Detection in Ceramic Materials Using Bicoherence Analysis

AKGÜN Ö.

Balkan Journal of Electrical and Computer Engineering, vol.8, no.4, pp.300-306, 2020 (Other Refereed National Journals)

III. The Spectral and Statistical Analysis of GaitDynamics in ALS Disease

AKGÜN Ö., AKAN A., YILMAZ Ö.

Balkan Journal of Electrical and Computer Engineering, vol.8, no.2, pp.142-146, 2020 (Refereed Journals of Other Institutions)

IV. IDENTIFICATION OF PARKINSON'S DISEASE BY AR MODELLING OF GAIT SIGNALS

AKGÜN Ö., AKAN A.

European Journal of Technique, vol.10, no.1, pp.153-159, 2020 (Refereed Journals of Other Institutions)

V. Bispectrum and Energy Analysis of Wind SpeedData

AKINCI T. Ç., ŞEKER Ş. S., AKGÜN Ö., Dikun J., ERDEMİR G.

International Journal of Electrical Energy, vol.5, pp.87-91, 2017 (Refereed Journals of Other Institutions)

VI. Nörodejenaratif Hastalarda Yürüme İşaretlerinin Zaman Frekans Analizi

AKGÜN Ö., AKAN A., DEMİR H.

Kırklareli Üniversitesi Mühendislik ve Fen Bilimleri Dergisi, 2015 (Refereed Journals of Other Institutions)

VII. Detection of Atrial Septal Defect by Heart Sound Signal Analysis and its Relation with Tricuspid Failure

AKGÜN Ö., VAROL H. S.

Balkan Journal of Electrical & Computer Engineering, 2015 (Refereed Journals of Other Institutions)

VIII. ANALYSIS OF SOUNDS GENERATED FROM WELDING MACHINE WHILE IN IDLE AND OPERATIONAL MODE BY ACOUSTIC METHOD

GÜNAYDIN L., AKINCI T. Ç., KOÇYİĞİT G., GÖKMEN G., AKGÜN Ö.

Applied Researches in Technics, Technologies and Education, 2015 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. Wind Speed Analysis Using Signal Processing Technique

Akgün Ö., Akıncı T. Ç.

in: Renewable Energy - Resources, Challenges and Applications, Mansour Al Qubeissi, Ahmad El-kharouf, Hakan Serhad Soyhan, Editor, IntechOpen, Birmingham, pp.36-49, 2020

II. Çok Çözünürlüklü Dalgacık Analizi ile İstanbul Rüzgar Hızı Analizi

Kulaklı G., İlaslan M. F., Akgün Ö., Akıncı T. Ç.

in: Mühendislikte Yeni Yaklaşımlar, Dr. Mine Nazan Kerimak ÖNER, Dr. Recep Onur UZUN, Editor, Berikan Elektronik

Refereed Congress / Symposium Publications in Proceedings

- I. **Spectral Analysis of Alcoholic Data**
AKGÜN Ö., AKINCI T. Ç.
International Conference on Engineering Technologies (ICENTE'xx20), Konya, Turkey, 19 - 21 November 2020, pp.22-26
- II. **ARİTMETİK İŞLEM TABANLI EEG SİNYALLERİNİN ÖZİNİTELİKLERİNİN ANALİZİ**
KARA O., AKGÜN Ö.
4. INTERNATIONAL 19 MAY INNOVATIVE SCIENTIFIC APPROACHES CONGRESS, Samsun, Turkey, 21 - 22 December 2020, pp.125-132
- III. **THE BURG POWER ESTIMATION ANALYSIS IN ASTHMA AND COPD DISEASES**
AKGÜN Ö.
International Scientific and Practical Internet Conference, Dnipro, Ukraine, 3 - 04 December 2020
- IV. **TIME, AMPLITUDE SPECTRUM AND PHASE SPECTRUM ANALYSIS OF EPILEPTIC EEG SIGNALS**
AKGÜN Ö.
EUROASIA CONGRESS ON SCIENTIFIC RESEARCHES AND RECENT TRENDS-VII, Baku, Azerbaijan, 6 - 09 December 2020
- V. **EEG SIGNAL ANALYSIS WHILE LISTENING TO MUSIC AND READING BOOKS**
AKGÜN Ö.
5th INTERNATIONAL GAP MATHEMATICS-ENGINEERING-SCIENCE AND HEALTH SCIENCES CONGRESS, Şanlıurfa, Turkey, 4 - 06 December 2020
- VI. **Sistolik Kalp Üfürümlerinin Bode Diyagramları ile Analizi**
AKGÜN Ö., İLASLAN M. F. , AKINCI T. Ç.
1. ULUSAL MÜHENDİSLİK VE TEKNOLOJİ KONGRESİ-UMTK, Turkey, 17 - 19 October 2019
- VII. **Parkinson Tremorunun Beyin Uyarımlarına Verdiği Cevabın Bölgelere Göre Analizi**
AKGÜN Ö., AKINCI T. Ç. , İLASLAN M. F.
1. ULUSAL MÜHENDİSLİK VE TEKNOLOJİ KONGRESİ- UMTK, Turkey, 17 - 19 October 2019
- VIII. **Kalp Kapak Darlığı ve Yetmezliklerinin Sıfır-Kutup Haritaları İle Belirlenmesi**
AKGÜN Ö., VAROL H. S. , İLASLAN M. F. , KULAKLI G., AKINCI T. Ç.
4. Uluslararası Bilimsel Araştırmalar Kongresi (UBAK), 14 February - 17 September 2019
- IX. **Higher Order Spectral Analysis of Ventricular Arrhythmic ECG Signals with MATLAB HOSAToolbox**
SAYIN F. S. , AKGÜN Ö.
6th International Conference on Control Engineering and Information Technologies, İstanbul, Turkey, 25 - 27 October 2018
- X. **EKG'den Wavelet Dönüşümü Yardımı ile Transmural Miyokard İskemisinin Belirlenmesi**
ÇANAYAZ E., AKGÜN Ö.
EEMKON 2017, Turkey, 16 - 18 November 2017
- XI. **Heart Sound Signals Obtained from Stethoscope with Wavelet Analysis Method**
AKGÜN Ö., VAROL H. S. , AKINCI T. Ç. , GUSEİNOVİENE E.
International Conference on Technics, Technologies and Education, YAMBOL, Bulgaria, 30 - 31 October 2013
- XII. **Elimination of Noise from Heart Sound Signals Obtained with Stethoscope by Using Wavelet Filters**
AKGÜN Ö., VAROL H. S.
The Fifth International Symposium on Wavelets Applications to World Problems, İstanbul, Turkey, 7 - 08 June 2010
- XIII. **Determining The Degree Of Aortic Stenosis Caused By The Bicuspid Valve With Bispectral Analysis Of Heart Sound Signals**
AKGÜN Ö., VAROL H. S.
5th International Advanced Technologies Symposium, Karabük, Turkey, 13 - 15 May 2009

- XIV. **The Diagnosis Of Huntington s Disease Via High Order Spectral Moments**
AKGÜN Ö., DEMİR H., AKAN A.
5th International Advanced Technologies Symposium, Karabük, Turkey, 13 - 15 May 2009
- XV. **Determination Of Mitral or Aortic Valve Stenosis or Insufficiency Via Pole Zero Map Analysis of Heart Sound Signals**
AKGÜN Ö., VAROL H. S.
5th International Advanced Technologies Symposium, Karabük, Turkey, 13 - 15 May 2009
- XVI. **Yürüme İşaretlerinin Ar Modelleri ile ALS Hastalığının Belirlenmesi**
AKGÜN Ö., DEMİR H., AKAN A.
Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 26 - 30 November 2008

Citations

Total Citations (WOS):2

h-index (WOS):1