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International Researcher IDs

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği, Turkey 2003 - 2008

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği, Turkey 2001 - 2003

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği, Turkey 1996 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Umbilikal ve uterin atardamar doppler işaretlerinden hamileliğin değerlendirilmesi ve myoma uterinin tespiti, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Mühendisliği, 2008

Postgraduate, Karotid atar damar doppler sinyallerinden damar sertliğinin erken dönemde teşhisi, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Mühendisliği, 2003

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2021 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2015 - 2021

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2007 - 2015

Academic and Administrative Experience

Courses

Undergraduate

- Biyomedikal Sinyal İşleme, Undergraduate, 2017 - 2018
Fizyolojik Kontrol Sistemleri ve Modelleme, Undergraduate, 2017 - 2018
Sinyaller ve Sistemler, Undergraduate, 2017 - 2018
Sinyal İşleme, Undergraduate, 2017 - 2018
Mühendislik Sistem Teorisi I, Undergraduate, 2017 - 2018

Supervised Theses

- Latifoğlu F., Tokmakçı M., EEG SİNYALLERİ KULLANILARAK ALZHEİMER HASTALIĞININ TEŞHİSİ, Postgraduate, H.AKKAŞ(Student), 2024
Latifoğlu F., Parkinson hastalığının EEG sinyallerinden yapay zeka teknikleri kullanılarak sınıflandırılması, Postgraduate, S.PENEKLİ(Student), 2023
Latifoğlu F., Fizyolojik sinyaller ve hareket verileri kullanılarak dikkat eksikliği hiperaktivite bozukluğunun tespit edilmesine yönelik test sistemi gerçekleştirilmesi ve analizi, Doctorate, M.YASİN(Student), 2023
Latifoğlu F., Characterization of pericardial fluid and investigation for using as extracellular matrix in tissue engineering applications, Doctorate, D.SÖNMEZER(Student), 2022
Latifoğlu F., DETERMINATION OF CONSCIOUSNESS LEVELS BY ANALYSIS AND CLASSIFICATION OF PHYSIOLOGICAL SIGNALS OF DEEP COMA PATIENTS IN INTENSIVE CARE UNITS, Doctorate, Ç.GÜLÜZAR(Student), 2021
Latifoğlu F., Yoğun bakım ünitelerinde yatan derin koma hastalarına ait fizyolojik sinyallerin analizi ve sınıflandırılması ile bilinç seviyelerinin belirlenmesi, Doctorate, Ç.GÜLÜZAR(Student), 2021
Latifoğlu F., Investigation of event related potential signals obtained by visual stimulation for detection of Amyotrophic Lateral Sclerosis (ALS) disease, Postgraduate, F.ORHAN(Student), 2020
Latifoğlu F., Determination of the most appropriate writing characters for the education of children with dyslexia by using EOG signals, Postgraduate, R.İLERİ(Student), 2020
Latifoğlu F., Analysis and modeling of EEG signals for pre-seizure detection of epilepsy, Postgraduate, T.ŞENTÜRK(Student), 2019
LATİFOĞLU F., ANKSİYETE BOZUKLUĞU OLAN ÇOCUK VE ERGENLERİN EGG VE PUPİL YANITI İLE DEĞERLENDİRİLMESİ, Postgraduate, M.Fatih(Student), 2017
LATİFOĞLU F., EOG TESTİ İLE DİKKAT EKSİKLİĞİNİN TANISI, Postgraduate, M.Yasin(Student), 2017
LATİFOĞLU F., MR İLE TALASEMİ HASTALARINDA DEMİR BİRİKİMİ ÖLÇÜM SİSTEMİ TASARIMI VE GELİŞTİRİLMESİ, Postgraduate, Y.İlhan(Student), 2017
LATİFOĞLU F., GASTROÖZOFAGEL REFLÜ HASTALIĞINDA NONİNVAZİV EGG SİNYALLERİNİN TANISAL DEĞERİNİN ORTAYA KONMASI, Postgraduate, E.Çelikzencir(Student), 2016
LATİFOĞLU F., GASTROPAREZİ HASTALIĞININ TEŞHİSİ İÇİN ELEKTROGASTROGRAM SİNYALLERİNDEN ÖZELLİK ÇIKARIMI, Postgraduate, Ç.Gülizar(Student), 2015
LATİFOĞLU F., FİBER TRAKTROGRAFI İLE HARİTALANDIRILMIŞ YOLAKLARIN, BEYİN TÜMÖRLERİ İLE ETKİLEŞİMİNİN ÜÇ BOYUTLU İNCELENMESİ, Postgraduate, E.Kavuncuoğlu(Student), 2015
LATİFOĞLU F., Ki-67 İLE BOYANAN HİSTOPATOLOJİK GÖRÜNTÜLER ÜZERİNDE POZİTİF HÜCRE SAYIMI, Postgraduate, S.Arıkan(Student), 2015
LATİFOĞLU F., HİSTOPATOLOJİK GÖRÜNTÜLER ÜZERİNDE BLGE BÜYÜTME YÖNTEMİ İLE MİTOZ SAYIMI, Postgraduate, D.Sönmezer(Student), 2012
LATİFOĞLU F., ÇÖLYAK HASTALIĞINA AİT EVRELERİN GÖRÜNTÜ ANALİZİ VE SINIFLANDIRILMASI, Postgraduate, H.Hisar(Student), 2011
LATİFOĞLU F., KALP ENFARKTÜSÜ GEÇİRMİŞ KİŞİLERE AİT DOPPLER SİNYAL ANALİZİ, Postgraduate, T.Koza(Student),

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Histopathological Image Analysis Using Machine Learning to Evaluate Cisplatin and Exosome Effects on Ovarian Tissue in Cancer Patients**
Şentürk T., Latifoğlu F., Altıntop Ç. G., Yay A. H., Gönen Z. B., Önder G. Ö., Cengiz Mat Ö., Özkul Y.
Applied Sciences, vol.15, no.4, pp.1-19, 2025 (SCI-Expanded)
- II. **High-performance classification of STEMI and NSTEMI by automatic feature selection from ECG signals: a triple approach**
Latifoğlu F., İçer S., Güven A., Zhusupov A., Avşaroğulları Ö. L., Keleşoğlu Ş., Kalay N., Orhan Bulucu F., İnce M., Ertürk A., et al.
SIGNAL, IMAGE AND VIDEO PROCESSING, vol.19, no.343, pp.1-13, 2025 (SCI-Expanded)
- III. **Ultrasonographic examination of the maturational effect of maternal vitamin D use on fetal clavicle bone development**
Ozdemir F., Acmaz B., Latifoglu F., Muhtaroglu S., Okcu N. T., Acmaz G., Muderris I. I.
BMC MEDICAL IMAGING, vol.25, no.1, 2025 (SCI-Expanded)
- IV. **A novel IIR based FIR filter design technique using a new fitness function determined by distance metrics**
Latifoğlu F., Arıkan S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.635-648, 2024 (SCI-Expanded)
- V. **A novel approach for Parkinson's disease detection using Vold-Kalman order filtering and machine learning algorithms**
Latifoğlu F., Penekli S., Orhan Bulucu F., Chowdhury M. E.
NEURAL COMPUTING AND APPLICATIONS, vol.1, no.1, pp.1-15, 2024 (SCI-Expanded)
- VI. **Applications of a biocompatible alginate/pericardial fluid-based hydrogel for the production of a bioink in tissue engineering**
Sönmezer Açıkgöz D., LATİFOĞLU F., TOPRAK G., BARAN M.
Biotechnology and Applied Biochemistry, 2024 (SCI-Expanded)
- VII. **A native extracellular matrix material for tissue engineering applications: Characterization of pericardial fluid**
SÖNMEZER D., LATİFOĞLU F., TOPRAK G., BARAN M.
Journal of Biomedical Materials Research - Part B Applied Biomaterials, vol.111, no.9, pp.1629-1639, 2023 (SCI-Expanded)
- VIII. **A New Hybrid Approach Based on Time Frequency Images and Deep Learning Methods for Diagnosis of Migraine Disease and Investigation of Stimulus Effect**
Orhanbulucu F., LATİFOĞLU F., BAYDEMİR R.
Diagnostics, vol.13, no.11, 2023 (SCI-Expanded)
- IX. **Detection of ADHD from EEG signals using new hybrid decomposition and deep learning techniques**
Esas M. Y., LATİFOĞLU F.
Journal of Neural Engineering, vol.20, no.3, 2023 (SCI-Expanded)
- X. **Distinguishing Parkinson's Disease with GLCM Features from the Hankelization of EEG Signals**
KARAKAŞ M. F., LATİFOĞLU F.
Diagnostics, vol.13, no.10, 2023 (SCI-Expanded)
- XI. **Quantitative Electroencephalography Analysis for Improved Assessment of Consciousness Levels in Deep Coma Patients Using a Proposed Stimulus Stage**
ALTINTOP Ç. G., LATİFOĞLU F., KARAYOL AKIN A., ÜLGEY A.

Diagnostics, vol.13, no.8, 2023 (SCI-Expanded)

- XII. **Early diagnosis of pancreatic cancer by machine learning methods using urine biomarker combinations**
Acer İ., Orhanbulucu F., İÇER S., LATİFOĞLU F.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.31, no.1, pp.112-125, 2023 (SCI-Expanded)
- XIII. **A novel approach for detection of dyslexia using convolutional neural network with EOG signals**
Ileri R., LATİFOĞLU F., DEMİRCİ E.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.60, no.11, pp.3041-3055, 2022 (SCI-Expanded)
- XIV. **Beyond the colors: enhanced deep learning on invasive ductal carcinoma**
Öztürk M., Baran M., Latifoğlu F.
NEURAL COMPUTING & APPLICATIONS, vol.34, no.21, pp.18953-18973, 2022 (SCI-Expanded)
- XV. **Can patients in deep coma hear us? Examination of coma depth using physiological signals**
ALTINTOP Ç. G., LATİFOĞLU F., KARAYOL AKIN A.
Biomedical Signal Processing and Control, vol.77, 2022 (SCI-Expanded)
- XVI. **Detection of amyotrophic lateral sclerosis disease from event-related potentials using variational mode decomposition method**
Orhanbulucu F., LATİFOĞLU F.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, vol.25, no.8, pp.840-851, 2022 (SCI-Expanded)
- XVII. **Using electrooculography with visual stimulus tracking test in diagnosing of ADHD: findings from machine learning algorithms**
Latifoğlu F., Esas M. Y., Ileri R., Özmen S., Demirci E.
Turkish Journal of Medical Sciences, vol.52, no.5, pp.1616-1626, 2022 (SCI-Expanded)
- XVIII. **Classification of Depth of Coma Using Complexity Measures and Nonlinear Features of Electroencephalogram Signals**
Altıntop Ç. G., Latifoğlu F., Karayol Akın A., Bayram A., Çiftçi M.
International Journal Of Neural Systems, vol.1, no.1, pp.1-16, 2022 (SCI-Expanded)
- XIX. **A novel approach for detection of consciousness level in comatose patients from EEG signals with 1-D convolutional neural network**
ALTINTOP Ç. G., LATİFOĞLU F., KARAYOL AKIN A., Çetin B.
Biocybernetics and Biomedical Engineering, vol.42, no.1, pp.16-26, 2022 (SCI-Expanded)
- XX. **Assessment of dyslexic children with EOG signals: Determining retrieving words/re-reading and skipping lines using convolutional neural networks**
LATİFOĞLU F., Ileri R., DEMİRCİ E.
CHAOS SOLITONS & FRACTALS, vol.145, 2021 (SCI-Expanded)
- XXI. **Detection of amyotrophic lateral sclerosis disease by variational mode decomposition and convolution neural network methods from event-related potential signals**
LATİFOĞLU F., Orhanbulucu F., Ileri R.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, pp.2840-2854, 2021 (SCI-Expanded)
- XXII. **Analysis of Consciousness Level Using Galvanic Skin Response during Therapeutic Effect**
Altıntop Ç. G., Latifoğlu F., Akın A., Ileri R., Yazar M. A.
JOURNAL OF MEDICAL SYSTEMS, vol.45, no.1, 2021 (SCI-Expanded)
- XXIII. **Pericardial fluid and vascular tissue engineering: A preliminary study**
SÖNMEZER D., LATİFOĞLU F., TOPRAK G., DÜZLER A., İŞOĞLU İ. A.
Bio-Medical Materials and Engineering, vol.32, no.2, pp.101-113, 2021 (SCI-Expanded)
- XXIV. **A novel singular spectrum analysis-based multi-objective approach for optimal FIR filter design using artificial bee colony algorithm**
LATİFOĞLU F.
NEURAL COMPUTING & APPLICATIONS, vol.32, no.17, pp.13323-13341, 2020 (SCI-Expanded)
- XXV. **Diagnosis of attention-deficit hyperactivity disorder using EOG signals: a new approach**

- LATİFOĞLU F., Esas M. Y., DEMİRCİ E.
Biomedizinische Technik, vol.65, pp.149-164, 2020 (SCI-Expanded)
- XXVI. **Analysis of the Complexity Measures in the EEG of Schizophrenia Patients**
Akar S. A., Kara S., LATİFOĞLU F., Bilgic V.
INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, vol.26, no.2, 2016 (SCI-Expanded)
- XXVII. **Importance of hybrid models for forecasting of hydrological variable**
Latifoglu L., Kisi O., LATİFOĞLU F.
NEURAL COMPUTING & APPLICATIONS, vol.26, no.7, pp.1669-1680, 2015 (SCI-Expanded)
- XXVIII. **Estimation of nonlinear measures of schizophrenia patients' EEG in emotional states**
Akar S. A., Kara S., LATİFOĞLU F., BILGIC V.
IRBM, vol.36, no.4, pp.250-258, 2015 (SCI-Expanded)
- XXIX. **Investigation of the noise effect on fractal dimension of EEG in schizophrenia patients using wavelet and SSA-based approaches**
Akar S. A., Kara S., LATİFOĞLU F., Bilgic V.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.18, pp.42-48, 2015 (SCI-Expanded)
- XXX. **Analysis of heart rate variability during auditory stimulation periods in patients with schizophrenia**
Akar S. A., Kara S., LATİFOĞLU F., Bilgic V.
JOURNAL OF CLINICAL MONITORING AND COMPUTING, vol.29, no.1, pp.153-162, 2015 (SCI-Expanded)
- XXXI. **Investigation of Empirical Mode Decomposition in Forecasting of Hydrological Time Series**
Kisi O., Latifoglu L., LATİFOĞLU F.
WATER RESOURCES MANAGEMENT, vol.28, no.12, pp.4045-4057, 2014 (SCI-Expanded)
- XXXII. **A novel approach to speckle noise filtering based on Artificial Bee Colony algorithm: An ultrasound image application**
Latifoglu F.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.111, no.3, pp.561-569, 2013 (SCI-Expanded)
- XXXIII. **Elimination of noise on transcranial Doppler signal using IIR filters designed with artificial bee colony - ABC-algorithm**
KARABOĞA N., LATİFOĞLU F.
DIGITAL SIGNAL PROCESSING, vol.23, no.3, pp.1051-1058, 2013 (SCI-Expanded)
- XXXIV. **Adaptive filtering noisy transcranial Doppler signal by using artificial bee colony algorithm**
KARABOĞA N., LATİFOĞLU F.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.26, no.2, pp.677-684, 2013 (SCI-Expanded)
- XXXV. **Spectral analysis of photoplethysmographic signals: The importance of preprocessing**
Akar S. A., Kara S., LATİFOĞLU F., BILGIC V.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.8, no.1, pp.16-22, 2013 (SCI-Expanded)
- XXXVI. **Non-Invasive Diagnosis of Stress Urinary Incontinence Sub Types Using Wavelet Analysis, Shannon Entropy and Principal Component Analysis**
Tufan K., Kara S., LATİFOĞLU F., Aydin S., Kiris A., Ozkuvanci U.
JOURNAL OF MEDICAL SYSTEMS, vol.36, no.4, pp.2159-2169, 2012 (SCI-Expanded)
- XXXVII. **SPECTRAL ANALYSIS OF UMBILICAL ARTERY DOPPLER SIGNALS DURING GESTATION UTILIZING DISCRETE WAVELET TRANSFORM**
Kara S., LATİFOĞLU F., Imal E., GÜNEY M.
EXPERIMENTAL TECHNIQUES, vol.33, no.4, pp.52-58, 2009 (SCI-Expanded)
- XXXVIII. **Use of Kernel Functions in Artificial Immune Systems for the Nonlinear Classification Problems**
Ozsen S., Gunes S., Kara S., LATİFOĞLU F.
IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE, vol.13, no.4, pp.621-628, 2009 (SCI-Expanded)
- XXXIX. **Comparison of Short-Time Fourier Transform and Eigenvector MUSIC Methods Using Discrete Wavelet Transform for Diagnosis of Atherosclerosis**
LATİFOĞLU F., Kara S., Imal E.
JOURNAL OF MEDICAL SYSTEMS, vol.33, no.3, pp.189-197, 2009 (SCI-Expanded)

- XL. Usage of a novel, similarity-based weighting method to diagnose atherosclerosis from carotid artery Doppler signals**
Polat K., LATİFOĞLU F., Kara S., Guenes S.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.46, no.4, pp.353-362, 2008 (SCI-Expanded)
- XLI. Medical diagnosis of atherosclerosis from Carotid Artery Doppler Signals using principal component analysis (PCA), k-NN based weighting pre-processing and Artificial Immune Recognition System (AIRS)**
LATİFOĞLU F., Polat K., Kara S., Guenes S.
JOURNAL OF BIOMEDICAL INFORMATICS, vol.41, no.1, pp.15-23, 2008 (SCI-Expanded)
- XLII. Determining fractal dimension of umbilical artery doppler signals using hurst exponent**
LATİFOĞLU F., Kara S., Gueney M.
JOURNAL OF MEDICAL SYSTEMS, vol.31, no.6, pp.529-536, 2007 (SCI-Expanded)
- XLIII. A new supervised classification algorithm in artificial immune systems with its application to carotid artery Doppler signals to diagnose atherosclerosis**
Ozsen S., Kara S., LATİFOĞLU F., Gunes S.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.88, no.3, pp.246-255, 2007 (SCI-Expanded)
- XLIV. Diagnosis of atherosclerosis from carotid artery Doppler signals as a real-world medical application of artificial immune systems**
LATİFOĞLU F., Sahan S., Kara S., Gunes S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.33, no.3, pp.786-793, 2007 (SCI-Expanded)
- XLV. Medical application of artificial immune recognition system (AIRS): Diagnosis of atherosclerosis from carotid artery Doppler signals**
LATİFOĞLU F., Kodaz H., Kara S., Gunes S.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.37, no.8, pp.1092-1099, 2007 (SCI-Expanded)
- XLVI. Complex-valued wavelet artificial neural network for Doppler signals classifying**
Ozbay Y., Kara S., LATİFOĞLU F., Ceylan R., Ceylan M.
ARTIFICIAL INTELLIGENCE IN MEDICINE, vol.40, no.2, pp.143-156, 2007 (SCI-Expanded)
- XLVII. Pattern detection of atherosclerosis from Carotid Artery Doppler Signals using fuzzy weighted pre-processing and Least Square Support Vector Machine (LSSVM)**
Polat K., Kara S., LATİFOĞLU F., Gunes S.
ANNALS OF BIOMEDICAL ENGINEERING, vol.35, no.5, pp.724-732, 2007 (SCI-Expanded)
- XLVIII. Spectral analysis of portal vein Doppler signals using STFT and AR modeling in the cirrhotic portal hypertension patients**
Kara S., LATİFOĞLU F., Karahan O. I., Kahrman G.
EXPERIMENTAL TECHNIQUES, vol.31, no.2, pp.51-56, 2007 (SCI-Expanded)
- XLIX. A system to diagnose atherosclerosis via wavelet transforms, principal component analysis and artificial neural networks**
Kara S., Dirgenali F.
EXPERT SYSTEMS WITH APPLICATIONS, vol.32, no.2, pp.632-640, 2007 (SCI-Expanded)
- L. Classification of carotid artery Doppler signals in the early phase of atherosclerosis using complex-valued artificial neural network**
Ceylan M., Ceylan R., Dirgenali F., Kara S., Ozbay Y.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.37, no.1, pp.28-36, 2007 (SCI-Expanded)
- LI. Estimation of wavelet and short-time Fourier transform sonograms of normal and diabetic subjects' electrogastrogram**
Dirgenali F., Kara S., Okkesim S.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.36, no.12, pp.1289-1302, 2006 (SCI-Expanded)
- LII. Recognition of early phase of atherosclerosis using principles component analysis and artificial neural networks from carotid artery Doppler signals**
Dirgenali F., Kara S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.31, no.3, pp.643-651, 2006 (SCI-Expanded)

- LIII. **Utilization of artificial neural networks and autoregressive modeling in diagnosing mitral valve stenosis**
KARA S., Guven A., OKANDAN M., DİRGENALİ F.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.36, no.5, pp.473-483, 2006 (SCI-Expanded)
- LIV. **Detection of gastric dysrhythmia using WT and ANN in diabetic gastroparesis patients**
Kara S., Dirgenali F., Okkesim S.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.36, no.3, pp.276-290, 2006 (SCI-Expanded)
- LV. **A novel approach to resource allocation mechanism in Artificial Immune Recognition System: Fuzzy resource allocation mechanism and application to diagnosis of atherosclerosis disease**
Polat K., Kara S., LATİFOĞLU F., Gunes S.
ARTIFICIAL IMMUNE SYSTEMS, PROCEEDINGS, vol.4163, pp.244-255, 2006 (SCI-Expanded)
- LVI. **Detection of atherosclerosis using autoregressive modelling and principles component analysis to carotid artery Doppler signals**
Kara S., Dirgenali F.
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.16, no.4, pp.269-277, 2006 (SCI-Expanded)
- LVII. **Comparison of an eigenvector music method with classical FFT and model based AR methods in the analysis of mitral valve Doppler signals**
Dirgenali F., Kara S.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.33, no.5, pp.575-595, 2005 (SCI-Expanded)
- LVIII. **Estimating gastric rhythm differences using a wavelet method from the electrogastrograms of normal and diabetic subjects**
Kara S., Dirgenali F., Okkesim S.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.33, no.5, pp.519-532, 2005 (SCI-Expanded)
- LIX. **Comparison of the autoregressive modeling and fast Fourier transformation in demonstrating Doppler spectral waveform changes in the early phase of atherosclerosis**
Dirgenali F., Kara S., Erdogan N., Okandan M.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.35, no.1, pp.57-66, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Predicting mortality risk and determining critical factors in intensive care patients: A preliminary study on covid-19 patients**
Latifoğlu F., Karayol Akn A., Orhan Bulucu F., Kalın Ünüvar G., İleri R., Baran B., Temel Ş.
Experimental Biomedical Research, vol.8, no.2, pp.58-71, 2025 (Peer-Reviewed Journal)
- II. **Diagnosis of Acute Coronary Syndrome with CNN and LSTM Based Deep Learning Model**
Ertürk N. A., Güven A., Latifoğlu F., İçer S., Zhusupova A.
JOURNAL OF ELECTRICAL SYSTEMS, vol.20, no.11, pp.2353-2360, 2024 (ESCI)
- III. **12-Lead ECG Signal Analysis for Myocardial Infarction Diagnosis: Empirical Mode Decomposition and Machine Learning Application**
Latifoğlu F., İçer S., Güven A., Orhan Bulucu F., Zhusupova A.
JOURNAL OF ELECTRICAL SYSTEMS, vol.20, no.11, pp.2361-2367, 2024 (ESCI)
- IV. **Development of a Machine Learning Based Clinical Decision Support System for Classification of Migraine Types: A Preliminary Study**
Orhan Bulucu F., Latifoğlu F.
International Journal of Advanced Natural Sciences and Engineering Researches, vol.8, no.1, pp.323-332, 2024 (Peer-Reviewed Journal)
- V. **Preliminary Study Based on Myocardial Infarction Classification of 12-Lead Electrocardiography Images with Deep Learning Methods**
Latifoğlu F., Zhusupova A., İnce M., Ertürk N. A., Özdet B., İçer S., Güven A., Avşaroğulları Ö. L., Keleşoğlu Ş., Kalay N.
The European Journal of Research and Development, vol.4, no.1, 2024 (Peer-Reviewed Journal)

- VI. **Classification of the Effects of Diabetes on Lung Tissue with Histopathological Images: A Comparative Study Using LBP and GLCM Features**
Şentürk T., Latifoğlu F., Bolat D., Yay A. H., Baran M.
International Journal of Multidisciplinary Studies and Innovative Technologies , vol.7, no.2, pp.84-89, 2023 (Peer-Reviewed Journal)
- VII. **Doku Mühendisliği Uygulamalarında Kullanılmak üzere Aljinat ve Perikardiyal Sıvı ile Hidrojel Üretimi**
SÖNMEZER AÇIKGÖZ D., LATİFOĞLU F.
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.38, 2023 (Peer-Reviewed Journal)
- VIII. **The Diagnosis of Alzheimers Disease using EEG Signals**
AKKAŞ H., LATİFOĞLU F., TOKMAKÇI M.
Orclever Science and Research Group, vol.3, 2023 (Peer-Reviewed Journal)
- IX. **Complex Exponential Modulated Quadrature Filter Bank Design Based on Chaos Game Optimization Algorithm**
KARAKAŞ M. F., LATİFOĞLU F.
Orclever Science and Research Group, vol.3, 2023 (Peer-Reviewed Journal)
- X. **Diagnostic Support System for the Detection of Attention Deficit Hyperactivity Disorder using EOG signals**
Demirci E., Esas M. Y., Altıntop Ç. G., Taştepe N., Latifoğlu F.
Journal of Psychiatry and Psychiatric Disorders, vol.7, no.4, pp.118-127, 2023 (Peer-Reviewed Journal)
- XI. **Biyomedikal Görüntülerin Bölütlenmesine Yönelik Derin Öğrenmeye Dayalı Yöntemler: Bir Gözden Geçirme**
Şentürk T., Latifoğlu F.
Dicle Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.1, pp.161-187, 2023 (Peer-Reviewed Journal)
- XII. **Classification Mental Workload Levels from EEG Signals with 1D Convolutional Neural Network**
Baydemir R., Latifoğlu F., Orhan Bulucu F.
The European Journal of Research and Development , vol.2, no.4, pp.13-23, 2022 (Peer-Reviewed Journal)
- XIII. **Analysis and Classification of Schizophrenia Using Event Related Potential Signals**
Aksöz A., Akyüz D., Bayır F., Yıldız N. C., Latifoğlu F., Orhan Bulucu F.
JOURNAL OF COMPUTER SCIENCE, vol.2022, pp.32-36, 2022 (Scopus)
- XIV. **Metaheuristic FIR Filter Design with Multi-Objective Atomic Orbital Search Algorithm**
Karakaş M. F., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.39, pp.13-16, 2022 (Peer-Reviewed Journal)
- XV. **Investigation of Covid-19 Infection with Clinical Data Using Decision Trees**
Orhan Bulucu F., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.40, pp.29-33, 2022 (Peer-Reviewed Journal)
- XVI. **Detection of Myocardial Infarction from Electrocardiography Signals with Multiscale Principal Component Analysis and Convolutional Neural Networks**
Aydoğan A., İçme B., İnce A., Arıkan S., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.39, pp.138-142, 2022 (Peer-Reviewed Journal)
- XVII. **Performance Analysis of Robust Local Mean Decomposition and Empirical Mode Decomposition Methods in the Detection of Epilepsy**
Çatalkaya O. K., Hazman T., Turturova S., Şentürk T., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.39, pp.132-137, 2022 (Peer-Reviewed Journal)
- XVIII. **Predicting Liver Disease Using Decision Tree Ensemble Methods**
Orhan Bulucu F., Acer İ., Latifoğlu F., İçer S.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.38, no.2, pp.261-267, 2022 (Peer-Reviewed Journal)
- XIX. **Enzymatic Function Estimation with Binary and Multilabel Classification Using Deep Learning Techniques**
Baran M., Öztürk M., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, vol.32, pp.262-267, 2021 (Peer-Reviewed Journal)

- XX. **Performance Analysis in Optimization Based FIR Filter Designs**
Karakas M. F., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, vol.31, no.1, pp.8-22, 2021 (Peer-Reviewed Journal)
- XXI. **Gri Kurt Optimizasyon Algoritması ile Kosinüs Modüleli Süzgeç Bankası Tasarımı**
Arıkan S., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.26, pp.472-476, 2021 (Peer-Reviewed Journal)
- XXII. **Analysis of The Electrodermal Activity Signals for Different Stressors Using Empirical Mode Decomposition**
İLERİ R., LATİFOĞLU F.
Akademik Platform Mühendislik ve Fen Bilimleri Dergisi, pp.407-414, 2020 (Peer-Reviewed Journal)
- XXIII. **Analysis of Attention to Potential Signals of ALS Patients by Using the K-Means Clustering Method**
LATİFOĞLU F., ORHANBULUCU F., BAŞ A.
Avrupa Bilim ve Teknoloji Dergisi, pp.239-244, 2020 (Peer-Reviewed Journal)
- XXIV. **Analysis of Effect of Stress to Attention using Galvanic Skin Response, Response Time and Electrooculography signals**
LATİFOĞLU F., İLERİ R., DEMİRHAN S., BEKER F. G., SARIKÖSE M.
Electronic Letters on ScienceEngineering, 2018 (Peer-Reviewed Journal)
- XXV. **Determining of Gastroparesis Disease from Electrogastrogram Signals Using Cramer-Rao Lower Bound and Power Spectral Density**
ALTINTOP Ç. G., LATİFOĞLU F., Çelikzencir E., SEZGIN G. C., Yurci A.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, no.1, pp.3061-3067, 2017 (ESCI)
- XXVI. **Diagnosis of Gastroesophageal Reflux Disease Using Discrete Wavelet Transform from EGG Signals**
Çelikzencir E., Acer Ç. G., Latifoğlu F., Can Sezgin G., Yurci M. A.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.2, pp.266-276, 2016 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **A Machine Learning Approach for STEMI and NSTEMI Diagnosis Using Empirical Wavelet Transform of Multi-Lead ECG Signals**
Latifoğlu F., İnce M., İcer S., Güven A., Zhusupova A.
2024 15th National Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 24 November 2024 - 28 January 2025, pp.1-5
- II. **DEPRESYONUN ELEKTROENSEFALOGRAFİ SİNYALLERİ KULLANARAK SINIFLANDIRILABİLMESİ İÇİN SİNYAL İŞLEME VE YAPAY ZEKA YÖNTEMLERİ İÇEREN BİR YAKLAŞIM**
Latifoğlu F., Turturova S.
AVRASYA 11th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES , Toskent, Uzbekistan, 1 - 05 August 2024, pp.267-281
- III. **Elektrohisterogram sinyallerinin analizi ve makine öğrenimi yöntemleri ile erken doğum tespiti**
Deniz N., Eser S., Şentürk T., Latifoğlu F.
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Turkey, 26 - 28 June 2024, pp.1199-1205
- IV. **Detection and Classification of the Effects of Cisplatin on Women's Ovaries Using Deep Learning Techniques**
Şentürk T., Bolat D., Latifoğlu F., Yay A. H., Baran M., Gönen Z. B.
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Turkey, 26 - 28 June 2024, pp.1192-1198
- V. **Effect of Demographic Characteristics on Tension Type Headache and Migraine: A Machine Learning Based Analysis**

LATİFOĞLU F., ORHAN BULUCU F.

2024 Innovations in Intelligent Systems and Applications Conference, ASYU 2024, Ankara, Turkey, 16 - 18 October 2024

- VI. **Automatic Diagnosis of Atrial Fibrillation Based on Tunable Q-Factor Wavelet Transform and Artificial Neural Networks: Analysis of 12-Lead ECG Signals**
Doğan E., Sari M. E., Polat R., Kocatepe Y., Orhanbulucu F., LATİFOĞLU F.
2024 Innovations in Intelligent Systems and Applications Conference, ASYU 2024, Ankara, Turkey, 16 - 18 October 2024
- VII. **INVESTIGATION THE EFFECT OF TEMPERATURE CHANGING ON DECELLULARIZED PERICARDIAL FLUID (dPF) AND USING IN TISSUE ENGINEERING APPLICATION**
SÖNMEZER D., LATİFOĞLU F.
9. ÇUKUROVA Uluslararası Bilimsel Araştırmalar Kongresi, Turkey, 09 October 2022
- VIII. **GAITA MİKROBİYOTASININ HASTALIKLARLA İLİŞKİSİNDE ÖĞRENME MODELLERİNİN KARŞILAŞTIRILMASI**
BARAN M., ÖZTÜRK M., LATİFOĞLU F.
MAS INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS-ENGINEERING-NATURAL&MEDICAL SCIENCES-XV September 7-8, 2021 ADANA, Adana, Turkey, 07 September 2021, pp.68-80
- IX. **Detection of Epilepsy Using Wavelet Coherence and Convolutional Neural Networks**
BOZDOĞAN A., UŞTU M., İLERİ R., LATİFOĞLU F.
Medical Technologies Congress (TIPTEKNO 2021), Turkey, 4 - 06 November 2021
- X. **A New Approach to Detection of Parkinson's Disease Using Variational Mode Decomposition Method and Deep Neural Networks**
ER R., LATİFOĞLU F., İLERİ R.
Medical Technologies Congress (TIPTEKNO 2021), Turkey, 4 - 06 November 2021
- XI. **Controlled Human Activity Recognition Using Deep Neural Networks**
Esas M. Y., Latifoğlu F.
VII. INSAC International Congress on Natural and Engineering Sciences , Konya, Turkey, 21 - 23 October 2021, pp.109-117
- XII. **DETERMINATION OF ATTENTION STATUS IN ALS PATIENTS WITH EVOKED POTENTIALS**
Latifoğlu F., Orhan Bulucu F.
MAS 11th International European Conference on Mathematics, Engineering, Natural & Medical Sciences, Tokat, Turkey, 13 - 15 March 2021, pp.148-154
- XIII. **EVALUATION OF P300 WAVE BY VARIATION COEFFICIENT IN ALS PATIENTS**
Latifoğlu F., Orhan Bulucu F.
MAS 11th International European Conference on Mathematics, Engineering, Natural & Medical Sciences, Tokat, Turkey, 13 - 15 March 2021, pp.108-109
- XIV. **New Method to Diagnosis of Dyslexia Using 1D-CNN**
İleri R., LATİFOĞLU F., DEMİRCİ E.
2020 Medical Technologies Congress, TIPTEKNO 2020, Antalya, Turkey, 19 - 20 November 2020
- XV. **Finite Impulse Response Filter Design Using Squirrel Search Algorithm Sincap Arama Algoritması Kullanarak Sonlu Dürtü Yanıtlı Filtre Tasarımı**
KARAKAŞ M. F., LATİFOĞLU F.
2020 Medical Technologies Congress, TIPTEKNO 2020, Antalya, Turkey, 19 - 20 November 2020
- XVI. **Detection of Reading Movement from EOG Signals**
Latifoğlu F., İleri R., Demirci E., Altıntop Ç. G.
The 15th Edition of IEEE International Symposium on Medical Measurements and Applications, Bari, Italy, 1 - 03 June 2020, pp.1-5
- XVII. **Evaluation of Glasgow Coma Score Using Electroencephalogram Signals**
Latifoğlu F., Altıntop Ç. G., Karayol Akın A., İleri R., Yazar M. A.
The 15th Edition of IEEE International Symposium on Medical Measurements and Applications, Bari, Italy, 1 - 03 June 2020, pp.1-6

- XVIII. Analysis of ECG Signals Recorded Using Different Stimuli from Patients in Intensive Care Unit: A Case Study**
Altıntop Ç. G., Latifoğlu F., Yazar M. A., Karayol Akın A., İleri R.
International Symposium on Innovative Technologies in Engineering and Science, Şanlıurfa, Turkey, 22 - 24 November 2019, pp.831-840
- XIX. Bilinci Kapalı Hastalara Aile/Hemşire Etkisinin Analizi**
Latifoğlu F., Altıntop Ç. G., Karayol Akın A., İleri R., Yazar M. A.
Tıp Teknolojileri Ulusal Kongresi, İzmir, Turkey, 3 - 05 October 2019, pp.485-488
- XX. Classification of healthy and pathological voices using artificial neural networks Sağlıklı ve patolojik seslerin yapay sinir ağları kullanarak sınıflandırılması**
İleri R., LATİFOĞLU F., GÜVEN A.
2019 Medical Technologies Congress, TIPTEKNO 2019, İzmir, Turkey, 3 - 05 October 2019
- XXI. Use of EOG (electrooculogram) signals in children with ADHD: a preliminary study**
Demirci E., Latifoğlu F., Esas M. Y., İleri R., Taştepe N., Özmen S., Altıntop Ç. G.
Çocuk ve Ergen Ruh Sağlığı ve Hastalıkları Kongresi, İstanbul, Turkey, 2 - 05 May 2019, pp.175
- XXII. Effect of Vascular Endothelial Growth Factor (VEGF) on Cells Isolated from Pericardial Fluid**
SÖNMEZER D., LATİFOĞLU F., TOPRAK G., DÜZLER A.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.184-187
- XXIII. Analysis of Family/Nurse Affect to Unconscious Patients**
LATİFOĞLU F., ALTINTOP Ç. G., KARAYOL AKIN A., İleri R., Yazar M. A.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.248-251
- XXIV. Artificial Neural Network Based Diagnostic System For Melanoma Skin Cancer**
İleri R., LATİFOĞLU F., İÇER S.
Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.25-28
- XXV. High performance prototype filter design and cost function determination**
LATİFOĞLU F., KANDÖKER B.
ÇUKUROVA I. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, 13 - 16 December 2018
- XXVI. Cell Isolating from Bovine Pericardial Fluid and Culturing for Next Tissue Engineering Applications**
LATİFOĞLU F., SÖNMEZER AÇIKGÖZ D., TOPRAK G., DÜZLER A., İŞOĞLU İ. A., KAAAN D.
International Conference on Technology, Engineering and Science, Turkey, 26 - 29 October 2018
- XXVII. Assessment of Anxiety Disorder by EGG Response**
KARAKAŞ M. F., LATİFOĞLU F., DEMİRCİ E.
CIEA 2018 INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, 20 - 22 September 2018
- XXVIII. Evaluation of Physiological Signals during Interaction to the Relatives of Patients in the Intensive Care Unit**
ALTINTOP Ç. G., LATİFOĞLU F., Yazar M. A., Soysaldı F., BAYDEMİR R.
EUROPEAN CONFERENCE ON SCIENCE, ART & CULTURE, Antalya, Turkey, 19 - 22 April 2018, pp.105
- XXIX. Detection of Differences between Migraine and Tension-Type Headache from Electroencephalogram Signals**
ALTINTOP Ç. G., LATİFOĞLU F., Yalabık A., Keser K., Ulusoy E. K.
ELECO 2017 10th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 30 November - 02 December 2017, pp.524-528
- XXX. Anksiyete bozukluğunun göz bebeği yanıtı ile değerlendirilmesi**
KARAKAŞ M. F., LATİFOĞLU F., DEMİRCİ E.
TIPTEKNO 17 Tıp teknolojileri kongresi, 12 - 14 October 2017
- XXXI. En Küçük Kareler Yöntemi ile EEG Sinyallerinden Epileptik Nöbet Teşhisi**
ALTINTOP Ç. G., Şentürk T., LATİFOĞLU F.
Tıp Teknolojileri Kongresi TıpTekno'17, Trabzon, Turkey, 12 - 14 October 2017, pp.335-338
- XXXII. Elektrokülografi Tabanlı Yazı Tipi ve Punto Analizi**
Tabkara M., LATİFOĞLU F., Ceran K., Cavga S. H., Yaprak M., ALTINTOP Ç. G.
Tıp Teknolojileri Kongresi TıpTekno'17, Trabzon, Turkey, 12 - 14 October 2017, pp.320-323

- XXXIII. **Dikkat Eksikliği Hiperaktivite Bozukluğunun Elektrookülogram Testi İle Tespit Edilmesi**
Esas M. Y., LATİFOĞLU F., DEMİRCİ E., ALTINTOP Ç. G.
Tıp Teknolojileri Kongresi TıpTekno'17, Trabzon, Turkey, 12 - 14 October 2017, pp.170-173
- XXXIV. **MEDICAL APPLICATIONS OF THREE DIMENSIONAL PRINTING**
ARIKAN S., ÖZKAN A., LATİFOĞLU F.
ISIDE2017 International Symposium on Industrial Design and Engineering, Kayseri, Turkey, 13 - 15 September 2017, vol.1, pp.179-186
- XXXV. **Determination of Attention Deficit Hyperactivity Disorder by Electrooculogram Test**
Esas M. Y., LATİFOĞLU F., DEMİRCİ E., Altintop C. G.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- XXXVI. **Electrooculography Based Font and Punto Analysis**
Tabkara M., LATİFOĞLU F., Ceran K., Cavga S. H., Yaprak M., Altntop C. G.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- XXXVII. **Diagnosis of Epileptic Seizure from EEG Signals by Least Squares Method**
ALTINTOP Ç. G., Senturk T., LATİFOĞLU F.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- XXXVIII. **Assessment of Anxiety Disorder by Pupil Response**
KARAKAŞ M. F., LATİFOĞLU F., DEMİRCİ E.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- XXXIX. **Hilbert-Huang Dönüşümü Kullanarak Gastroözofageal Reflü Hastalığının Noninvaziv Elektrogastrogram Sinyalleri ile Teşhisi**
ALTINTOP Ç. G., LATİFOĞLU F., Çelikzencir E., CAN SEZGİN G., YURCİ M. A.
20. Biyomedikal Mühendisliği Ulusal Toplantısı, BİYOMUT, İzmir, Turkey, 3 - 05 November 2016, pp.214-218
- XL. **Talesemi Hastalarında Demir Birikimi Ölçüm Sistemi**
İLHAN Y., LATİFOĞLU F., DOĞANAY S.
TIPTEKNO 2016, 27 - 29 October 2016
- XLI. **Sınav Öncesi ve Sınav Sonrası Öğrencilerde Elektrookülogram Sinyallerinin Analizi**
ALTINTOP Ç. G., LATİFOĞLU F., Esas M. Y.
TIPTEKNO'16 - Tıp Teknolojileri Ulusal Kongresi, Antalya, Turkey, 27 - 29 October 2016, pp.34-37
- XLII. **Hücre Bileşeni ve Byomalzeme ile Vasküler Doku Üretimi**
Sönmezer D., Latifoğlu F., İšoğlu A., Düzler A., Toprak G., Ceylan D.
Tıp Teknolojileri Kongresi, Antalya, Turkey, 27 - 29 October 2016
- XLIII. **Cramer Rao Alt Sınırı ile Elektrogastrogram Sinyallerinden Özbağlan m Parametrelerinin Belirlenmesi**
ALTINTOP Ç. G., LATİFOĞLU F., ÇELİKZENCİR E., CAN SEZGİN G., YURCİ M. A.
TIPTEKNO 2016, 27 - 29 October 2016
- XLIV. **HÜCRE BİLEŞENİ VE BİYOMALZEME İLE VASKÜLER DOKU ÜRETİMİ VASCULAR TISSUE PRODUCTION BY USING CELL COMPONENT AND BIOMATERIAL**
SÖNMEZER AÇIKGÖZ D., LATİFOĞLU F., İŞOĞLU İ. A., DÜZLER A., TOPRAK G., CEYLAN D. K.
Tıp Teknolojileri Kongresi TIPTEKNO16, Antalya, Turkey, 27 October 2016
- XLV. **Bilgisayar Tabanlı İki Kanallı Elektrookülografi Cihazı Tasarımı ve Göz Hareketlerinin Takibi**
Esas M. Y., LATİFOĞLU F.
TIPTEKNO 2015, Muğla, Turkey, 15 - 18 October 2015, pp.428-431
- XLVI. **A New Approach on Elimination of Noise from Electroastrogram Signals Singular Spectrum Analysis Wiener Filter**
ACER Ç. G., LATİFOĞLU F., ÇELİKZENCİR E., CAN SEZGİN G., YURCİ M. A.
19th International Conference on Circuits, Systems, Communications and Computers (CSCC 2015), Zakynthos Island, Greece, 16 - 20 July 2015
- XLVII. **Fiber Traktografi ile Haritalandırılmış Yolakların, Beyin Tümörleri ile Etkileşiminin Üç Boyutlu İncelenmesi**
Kavuncuoğlu E., LATİFOĞLU F.
SiU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.1557

- XLVIII. **IIR Süzgeç ile Gürültüsü Giderilmiş Transcranial Doppler İşaretlerinin SSA Analizi - SSA Analysis of Noise Eliminated Transcranial Doppler Signals with IIR Filters**
Koza T., KARABOĞA N., LATİFOĞLU F.
SİU-2015: 23. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Malatya, Turkey, 16 - 19 May 2015, vol.3, pp.1918-1921
- XLIX. **Determinig of Autoregressive Parameters from Electrogastrogram Signals Using Cramer-Rao Lower Bound**
ALTINTOP Ç. G., LATİFOĞLU F., Celikzencir E., Sezgin G. C., YURCİ M. A.
Medical Technologies National Conference (TIPTEKNO), Antalya, Turkey, 27 - 29 October 2016
- L. **Evaluation Diagnosis Availability of Noninvasive Electrogastrogram Signals for Gastroesophageal Reflux Disease**
Celikzencir E., Acer C. G., LATİFOĞLU F., Sezgin G. C., YURCİ M. A.
Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015
- LI. **SSA Analysis of Noise Eliminated Transcranial Doppler Signals with IIR Filters**
KOZA T., Karaboga N., Kockana S., LATİFOĞLU F.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2021-2024
- LII. **Elektromiyogram Sinyallerinden Tekil Spektrum Analizi Kullanarak Öznitelik Çıkarımı**
Acer Ç. G., Latifoğlu F., Eset K., Kuduz H.
TIPTEKNO 2014, Nevşehir, Turkey, 25 - 27 September 2014, pp.50-53
- LIII. **Spor Yapan Bireylerde Elektromiyogram Sinyallerinin Dalgacık Dönüşümü Kullanarak Sınıflandırılması**
Acer Ç. G., Latifoğlu F., Eset K., Kuduz H.
TIPTEKNO 2014, Nevşehir, Turkey, 25 - 27 September 2014, pp.42-45
- LIV. **Retinal Bozuklukların Hu Moment Tekniği ile Belirlenmesi**
LATİFOĞLU F., GÜVEN A., ALTINKAYNAK M., ÖNER A., ŞENEL K.
Tıp Tekno 2013, Antalya, Turkey, 1 - 04 October 2013, pp.136-138
- LV. **Epilepsy Diagnosis with Wavelet Transform and Entropy Value**
ALTINKAYNAK M., KAÇMAZ R. N., GÜVEN A., LATİFOĞLU F.
tıp tekno, 01 October 2013
- LVI. **Dalgacık Dönüşümü ve Entropi Değeri ile Epilepsi Teşhisi**
ALTINKAYNAK M., Bingöl R. N., GÜVEN A., LATİFOĞLU F.
Tıp Tekno 2013, Antalya, Turkey, 1 - 04 October 2013, pp.132-135
- LVII. **YAPAY ARI KOLONİ ALGORİTMASI KULLANILARAK MR GÖRÜNTÜLERİNDE RİCIAN GÜRÜLTÜ ELİMİNASYONU**
UZUNHİSARCIKLİ E., LATİFOĞLU F., Yüksekşek S. H.
Biyomut 2012, İstanbul, Turkey, 1 - 04 October 2012, pp.1
- LVIII. **Wavelet-Welch methodology for analysis of EEG signals of schizophrenia patients**
Akar S. A., Kara S., LATİFOĞLU F., Bilgic V.
Cairo International Biomedical Engineering Conference (CIBEC), Cairo, Egypt, 20 - 22 December 2012, pp.6-9
- LIX. **An estimation of nonlinearity measures for the EEG of schizophrenia patients in emotional states**
Akar S. A., LATİFOĞLU F., Kara S., Bilgiç V.
IASTED International Conference on Signal and Image Processing and Applications, SIPA 2011, Crete, Greece, 22 - 24 June 2011, pp.1-5
- LX. **Mitral kapak işareti üzerindeki anatomik ve elektronik gürültülerin ABC algoritması ile tasarlanan IIR süzgeçlerle süzülmesi**
KARABOĞA N., UZUNHİSARCIKLİ E., LATİFOĞLU F., Koza T., Koçkanat S.
Elektrik-Elektronik ve Bilgisayar Sempozyumu, Elazığ, Turkey, 1 - 04 October 2011, pp.288-292
- LXI. **Comparison of two techniques used for the estimation of the cerebral surface area using MRI**
ACER N., ılıca a. t., Turgut M., İÇER S., LATİFOĞLU F.
European Biotechnology Congress, İstanbul, Turkey, 28 - 30 September 2011, pp.117

- LXII. **SSA analysis of transcranial Doppler signal using IIR filters designed with ABC algorithm**
KARABOĞA N., LATİFOĞLU F., KOZA T.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- LXIII. **Singular Spectral Analysis on Doppler Ultrasound Records Acquired from Healthy Subjects and Intrinsic Sphincter Deficiency Subjects**
Tufan K., Kara S., LATİFOĞLU F., Aydin S., Kiris A., Ozuvanci U.
3rd International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies (BIOTECHNO), Venice, Italy, 22 - 27 May 2011, pp.1-5
- LXIV. **Determination of mitosis cells number using image processing methods Görüntü işleme yöntemleri kullanarak tümörlü hücrelerde mitoz sayımı**
LATİFOĞLU F., Sönmezer D., DENİZ K.
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 2010
- LXV. **Determining of brain gray and white matter regions in magnetic resonance images Manyetik rezonans görüntülerinden beyin gri ve beyaz cevher alanlarının belirlenmesi**
İÇER S., LATİFOĞLU F., COŞKUN A., Uzunoğlu S. M.
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 2010
- LXVI. **Monitoring the body water exchange using dielectric permeability method Vücut suyu değişiminin dielektrik geçirgenlik metoduyla Görüntülenmesi**
Özçoban M. A., LATİFOĞLU F., ÜLGEN A., Asyali M. H.
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 2010
- LXVII. **Denoising of electroretinogram signals using empirical mode decomposition Elektretinogram sinyallerinde ampirik kip ayrışım yöntemi kullanarak gürültü bastırma**
LATİFOĞLU F., GÜVEN A., Durmuş U., ÖNER A.
2010 15th National Biomedical Engineering Meeting, BIYOMUT2010, Antalya, Turkey, 21 - 24 April 2010
- LXVIII. **Designation of Mitral Value Regurgitation Using Artificial Neural Network**
Uzunhisarcıklı E., Latifoğlu F., Koza T.
International Symposium on Innovations in Intelligent Systems and Applications- INISTA 2007, Kayseri Turkey,, Kayseri, Turkey, 21 - 24 June 2010, vol.13, no.1, pp.1-5
- LXIX. **Mitral Kapak Sinyalleri İçin Öznitelik Belirleme**
UZUNHİSARCIKLI E., LATİFOĞLU F., KAYA M. G., Ardiç İ., Koza T.
Biyomedikal Mühendisliği Ulusal Toplantısı - BIYOMUT 2010, Antalya, Antalya, Turkey, 21 - 24 April 2010, pp.1-5
- LXX. **Vücut Suyu Değişiminin Dielektrik Geçirgenlik Metoduyla Görüntülenmesi (Monitoring the Body Water Exchange Using Dielectric Permeability Method)**
ÖZÇOBAN M. A., ÜLGEN A., LATİFOĞLU F., ASYALI M. H.
15th National Biomedical Engineering Meeting (BIYOMUT2010), Antalya, Turkey, 21 - 24 April 2010, pp.27
- LXXI. **Elektretinogram Sinyallerinde Ampirik Kip Ayrışım Yöntemi Kullanarak Gürültü Bastırma**
LATİFOĞLU F., GÜVEN A., DURMUŞ U., ÖNER A.
Tıp Teknolojileri Ulusal Kongresi (TIPTEKNO2010), Antalya, Turkey, 21 - 24 April 2010, pp.1-4
- LXXII. **Manyetik Rezonans Görüntülerinden Beyin Gri ve Beyaz Cevher Alanlarının Belirlenmesi**
İÇER S., LATİFOĞLU F., COŞKUN A., UZUNOĞLU S. M.
16. Biyomedikal Mühendisliği Ulusal Toplantısı, Konferans CDsi, Antalya, Turkey, 21 - 24 April 2010
- LXXIII. **Grey Relational Analysis Tekniği kullanarak Doppler Ultrasound Görüntülerde Gürültü Eliminasyonu**
UZUNHİSARCIKLI E., LATİFOĞLU F., KAYA M. G., Koza T.
Biyomedikal Mühendisliği Ulusal Toplantısı - BIYOMUT 2009,, İzmir, Turkey, 20 - 24 May 2009, pp.1-5
- LXXIV. **Doppler Ultrasound Signal Denoising Based on Grey Relational Analysis Technique**
Uzunhisarcıklı E., LATİFOĞLU F., Koza T., KAYA M.
14th National Biomedical Engineering Meeting, İzmir, Turkey, 20 - 22 May 2009, pp.239-240
- LXXV. **Variation in Anterior Temporal Muscles' Electromyogram in Accordance With Herbst in Situ**
Kara S., Okkesim S., LATİFOĞLU F., Uysal T., Baysal A.
11th International Congress of the IUPESM/World Congress on Medical Physics and Biomedical Engineering, Munich, Germany, 7 - 12 September 2009, vol.25, pp.88-89

- LXXVI. **Variation of Power Spectral Density and Energy in Electromyogram of Jaw-Closing Muscles in Children with Class II Malocclusion**
Kara S., Okkesim S., LATİFOĞLU F., Uysal T., Baysal A.
4th European Conference of the International Federation for Medical and Biological Engineering (ECIFMBE), Antwerp, Belgium, 23 - 27 November 2008, vol.22, pp.1475-1478
- LXXVII. **Spectral analysis of umbilical artery Doppler signals during normal pregnancy using STFT and AR method**
LATİFOĞLU F., Kara S., Gueney M.
9th International Symposium on Signal Processing and its Applications, Sharjah, United Arab Emirates, 12 - 15 February 2007, pp.704-705
- LXXVIII. **Fractal analysis of umbilical artery Doppler signals from normal pregnant subject using Hurst exponent**
Kara S., LATİFOĞLU F., Guney M.
Conference on Frontiers in the Convergence of Bioscience and Information Technologies, Cheju Isl, South Korea, 11 - 13 October 2007, pp.582-586
- LXXIX. **A novel approach to resource allocation mechanism in artificial immune recognition system: Fuzzy resource allocation mechanism and application to diagnosis of atherosclerosis disease**
Polat K., KARA S., LATİFOĞLU F., Güneş S.
5th International Conference on Artificial Immune Systems, ICARIS 2006, Oeiras, Portugal, 4 - 06 September 2006, pp.244-255
- LXXX. **Diagnosis of heart valve stenosis through the use of artificial neural networks**
Kara S., Guven A., Okandan M., Dirgenali F.
5th International Conference on Computer Simulations in Biomedicine, Ljubljana, Slovenia, 01 April 2003, vol.7, pp.453-457

Supported Projects

- Latifoğlu F., Altay D., Altıntop Ç. G., TUBITAK Project, Çocuk Yoğun Bakım Ünitesinde Yatan Hastalarda Elektrogastrografi Sinyalleri Kullanarak Çocuklarda Beslenme Sürecinin Yönetilmesine İlişkin Sinyal İşleme Ve Yapay Zeka Yöntemlerine Dayalı Karar Destek Sisteminin Oluşturulması, 2025 - 2028
- Metin A., Latifoğlu F., Can Sezgin G., Altıntop Ç. G., TUBITAK Project, Elektrogastrogram Ve Elektrodermal Aktivite Sinyalleri Kullanarak Üniversite Öğrencilerindeki Sınav Stresinin Ve Kaygısının Sinyal İşleme, Yapay Zeka Yöntemleri İle Analizi Ve Psiko-Fizyolojik İzlemler, 2025 - 2026
- Alp Z. A., Gengeç Benli Ş., Ardiç A., Latifoğlu F., Aksoy V., Project Supported by Higher Education Institutions, Otizm Spektrum Bozukluğu Olan Öğrencilerin Problem Davranışlarının Zorlayıcılık Düzeylerinin Öğretmenlerin Elektrofizyolojik Tepkilerine Göre Sınıflandırılması, 2024 - 2026
- Latifoğlu F., Demirci E., TUBITAK Project, Çocuklarda Dikkat Eksikliği Hiperaktivite Bozukluğu Ve Disleksi Tanısına Yönelik Yapay Zeka Tabanlı Karar Destek Sistemi, 2024 - 2026
- Latifoğlu F., TUBITAK Project, Alzheimer Ve Frontotemporal Demans Hastalığının Eeg Sinyalleri Kullanarak Yenilikçil Sinyal İşleme Ve Yapay Zeka Yöntemleri İle Yüksek Performanslı Tespiti, 2024 - 2025
- Latifoğlu F., TUBITAK Project, Elektrohisterogram (EHG) Verileri Kullanılarak Erken Doğum Tespitine Yönelik Risk Hesaplama Programı Geliştirilmesi, 2024 - 2025
- Latifoğlu F., Güven A., İçer S., Keleşoğlu Ş., Avşaroğulları Ö. L., Kalay N., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), A Multidirectional Approach to Develop a Decision Support System for Early Diagnosis of Myocardial Infarction Using 12-Lead Electrocardiography Data, 2022 - 2024
- LATİFOĞLU F., ESAS M. Y., KARAASLAN T., DEMİRCİ E., Project Supported by Higher Education Institutions, Hiperaktivite Bozukluğu Tespiti İçin NonInvazif Hareket Analizi, 2022 - 2024
- LATİFOĞLU F., ARIKAN S., Project Supported by Higher Education Institutions, Sezgisel Algoritmalar Kullanarak Çok Kanallı Filtre Tasarımı ve Biyomedikal Uygulamaları, 2019 - 2023
- Latifoğlu F., Çatalkaya O. K., Hazman T., Turturova S., TUBITAK Project, EPİLEPSİNİN GÜRBÜZ YEREL MOD AYRIŞIMI ve

EVRIŞİMSEL SİNİR AĞI İLE ERKEN TESPİTİ, 2022 - 2022

Latifoğlu F., Köse Ü., Taş M., İzmirli M., Özkara N. N., TUBITAK Project, ŞİZOFRENİNİN VARYASYONEL KİP AYRIŞIM VE DERİN SİNİR AĞLARI İLE TESPİTİ, 2021 - 2021

LATİFOĞLU F., ALTINTOP Ç. G., Project Supported by Higher Education Institutions, YOĞUN BAKIM ÜNİTELERİNDE YATAN DERİN KOMA HASTALARINA AİT FİZYOLOJİK SİNYALLERİN ANALİZİ VE SINIFLANDIRILMASI İLE BİLİNÇ SEVİYELERİNİN BELİRLENMESİ, 2017 - 2021

Latifoğlu F., Demirci E., TUBITAK Project, Disleksi Tanılı Çocuklarda Eğitimlerinde Kullanılmak Üzere En Uygun Yazı Karakterlerinin Eog Sinyallerini Kullanılarak Tespit Edilmesi, 2019 - 2020

DEMİRCİ E., ÖZMEN S., LATİFOĞLU F., TUBITAK Project, Dikkat eksikliği ve hiperaktivite bozukluğu olan çocuk ve ergenlerde tanı ve tedavi takibinde göz izleme prensibi ile EOG sinyallerinin kullanımı: Yeni bir yaklaşım, 2017 - 2019

LATİFOĞLU F., KAAAN CEYLAN D., İŞOĞLU İ. A., DÜZLER A., TOPRAK G., SÖNMEZER D., Project Supported by Higher Education Institutions, Sığır perikard sıvısı ve biyomalzeme kullanılarak vasküler doku üretimi, 2016 - 2019

Yurci M. A., LATİFOĞLU F., TUBITAK Project, Gastroözofageal Reflü Hastalığında Noninvaziv EGG Sinyallerinin Tanısal Değerinin Ortaya Konması, 2015 - 2016

LATİFOĞLU F., ÖZÇOBAN M., ASYALI M. H., ÜLGEN A., Project Supported by Higher Education Institutions, MİKRODENETLEYİCİLİ TOPLAM VÜCUT SU MİKTARI GÖSTERGESİ VE HAYATİ RİSK SINIRI İKAZ SİSTEMİ, 2009 - 2014

KARA S., LATİFOĞLU F., Project Supported by Higher Education Institutions, HAMİLE BAYANLARA AİT UMBİLİKAL ATARDAMAR DOPPLER SİNYALLERİNİN SPEKTRAL ANALİZ METODLARI KULLANARAK DEĞERLENDİRİLMESİ VE SINIFLANDIRILMASI, 2007 - 2009

Metrics

Publication: 166

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H-Index (WoS): 16

H-Index (Scopus): 18

Non Academic Experience

Other, Türk Standartları Enstitüsü

TÜRK STANDARTLARI ENSTİTÜSÜ TSE, Mühendis