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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

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

Advising Theses

Latifoğlu F., Tokmakçı M., EEG SINYALLERİ 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 SINYALLERİNİN TANISAL DEĞERİNİN ORTAYA KONMASI, Postgraduate, E.Çelikkencir(Student), 2016
LATİFOĞLU F., GASTROPAREZİ HASTALIĞININ TEŞHİSİ İÇİN ELEKTROGASTROGRAM SINYALLERİNDEN 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), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)

- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)

- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLII. **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)
- XLIII. **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)
- XLIII. **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)
- XLIV. **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., Kahriman G.
EXPERIMENTAL TECHNIQUES, vol.31, no.2, pp.51-56, 2007 (SCI-Expanded)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- LI. **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)
- LII. **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)
- LIII. **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)
- LIV. **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)
- LV. **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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **Metaheuristic FIR Filter Design with Multi-Objective Atomic Orbital Search Algorithm**
Karakas M. F., Latifoğlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.39, pp.13-16, 2022 (Peer-Reviewed Journal)

- XI. **Investigation of Covid-19 Infection with Clinical Data Using Decision Trees**
Orhan Bulucu F., Latifođlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.40, pp.29-33, 2022 (Peer-Reviewed Journal)
- XII. **Detection of Myocardial Infarction from Electrocardiography Signals with Multiscale Principal Component Analysis and Convolutional Neural Networks**
Aydođan A., İcme B., İnce A., Arıkan S., Latifođlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.39, pp.138-142, 2022 (Peer-Reviewed Journal)
- XIII. **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., Latifođlu F.
Avrupa Bilim ve Teknoloji Dergisi, no.39, pp.132-137, 2022 (Peer-Reviewed Journal)
- XIV. **Predicting Liver Disease Using Decision Tree Ensemble Methods**
Orhan Bulucu F., Acer İ., Latifođlu F., İczer S.
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- XV. **Enzymatic Function Estimation with Binary and Multilabel Classification Using Deep Learning Techniques**
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Non Academic Experience

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TÜRK STANDARTLARI ENSTİTÜSÜ TSE