

Asst. Prof. HANİFE GÖKER

Personal Information

Office Phone: [+90 312 484 5635](tel:+903124845635) Extension: 206

Email: gokerhanife@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/gokerhanife>

International Researcher IDs

ORCID: 0000-0003-0396-7885

Yoksis Researcher ID: 352665

Education Information

Doctorate, Gazi University, Bilişim Enstitüsü, Bilişim Sistemleri, Turkey 2014 - 2019

Postgraduate, Gazi University, Bilişim Enstitüsü, Bilgisayar Eğitimi, Turkey 2010 - 2012

Research Areas

bioinformatics, Natural Language Processing, Neural Networks, Biomedical Image Processing, Biosignal Processing

Academic Titles / Tasks

Assistant Professor, Gazi University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikleri Bölümü, 2023 - Continues

Assistant Professor, Kütahya Dumlupınar University, Simav Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - 2023

Lecturer PhD, Eskisehir Osmangazi University, Sivrihisar Mesl.Yük.Ok, Bilgisayar Teknolojileri Bölümü, 2021 - 2021

Academic and Administrative Experience

Deputy Head of Department, Kütahya Dumlupınar University, Simav Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği, 2022 - 2023

Courses

Dijital Sinyal İşleme ve Uygulamaları, Postgraduate, 2022 - 2023

Veri Madenciliğinin Temelleri, Postgraduate, 2021 - 2022

Makine Öğrenmesi, Postgraduate, 2021 - 2022

Advising Theses

Göker H., Tosun M., Transform Analiz Yöntemleri ve Derin Öğrenme Modellerinin Kullanılarak Elektroensefalografi Sinyallerinden Kronik Nöropatik Ağrı Düzeyinin Otomatik Tespiti, Postgraduate, Ü.ŞAHİNLER(Student), Continues

Göker H., Kasım Ö., Görüntü Filtreleme ve Transfer Öğrenme Yaklaşımları Kullanılarak X-Ray Görüntülerinden Düztabanlık Deformitesinin Tespiti, Postgraduate, M.KOKULU(Student), Continues
Göker H., Tosun M., Transfer Öğrenme Tabanlı Öznitelik Çıkarımı ve Derin Öğrenme Yöntemleri Kullanılarak Diz Osteoartrit Şiddetinin X-Ray Görüntülerinden Tespiti, Postgraduate, M.MAHFUS(Student), Continues
Göker H., Ayrık Dalgacık Dönüşüm Liderleri, Spektral Analiz ve Derin Öğrenme Modeli Kullanılarak Elektroensefalografi (EEG) Sinyallerinden Hafif Bilişsel Bozukluğunun Tespiti, Postgraduate, A.SAID(Student), 2023

Jury Memberships

Post Graduate, Post Graduate, Kütahya Dumlupınar Üniversitesi, June, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Automatic detection of developmental coordination disorder from power spectral densities of electroencephalography (EEG) signals using deep learning model**
Göker H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.40, no.1, pp.401-411, 2025 (SCI-Expanded)
- II. **Multi-channel EEG-based classification of consumer preferences using multitaper spectral analysis and deep learning model**
Göker H.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.83, no.14, pp.40753-40771, 2024 (SCI-Expanded)
- III. **Spectral analysis and Bi-LSTM deep network-based approach in detection of mild cognitive impairment from electroencephalography signals**
Said A., GÖKER H.
COGNITIVE NEURODYNAMICS, vol.18, no.2, pp.597-614, 2024 (SCI-Expanded)
- IV. **Fast Walsh-Hadamard transform and deep learning approach for diagnosing psychiatric diseases from electroencephalography (EEG) signals**
GÖKER H., Tosun M.
NEURAL COMPUTING & APPLICATIONS, vol.35, no.32, pp.23617-23630, 2023 (SCI-Expanded)
- V. **Automatic detection of Parkinson's disease from power spectral density of electroencephalography (EEG) signals using deep learning model**
Goker H.
PHYSICAL AND ENGINEERING SCIENCES IN MEDICINE, vol.46, no.3, pp.1163-1174, 2023 (SCI-Expanded)
- VI. **1D-convolutional neural network approach and feature extraction methods for automatic detection of schizophrenia**
Göker H.
Signal, Image and Video Processing, vol.17, no.5, pp.2627-2636, 2023 (SCI-Expanded)
- VII. **Automatic detection of migraine disease from EEG signals using bidirectional long-short term memory deep learning model**
Göker H.
Signal, Image and Video Processing, vol.17, no.4, pp.1255-1263, 2023 (SCI-Expanded)
- VIII. **Welch Spectral Analysis and Deep Learning Approach for Diagnosing Alzheimer's Disease from Resting-State EEG Recordings**
Göker H.
Traitement du Signal, vol.40, no.1, pp.257-264, 2023 (SCI-Expanded)
- IX. **PHUBBING, ALIENATION, DIGITAL GAME ADDICTION, INDEPENDENT SELF-CONSTRUAL, AND INTERDEPENDENT SELF-CONSTRUAL AMONG HIGH SCHOOL STUDENTS: A PATH ANALYSIS**
Goker H., TEKEDERE H.

BEHAVIORAL PSYCHOLOGY-PSICOLOGIA CONDUCTUAL, vol.30, no.1, pp.157-181, 2022 (SSCI)

X. **The Effectiveness and Usability of the Educational Software on Concept Education for Young Children with Impaired Hearing**

Goker H., Ozaydin L., TEKEDERE H.

EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, vol.12, no.1, pp.109-124, 2016 (SSCI)

Articles Published in Other Journals

- I. **Detection of Cervical Cancer from Uterine Cervix Images Using Transfer Learning Architectures**
GÖKER H.
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, 2024 (Peer-Reviewed Journal)
- II. **Dijital Yerlilerde Çevrimiçi Bilgi Arama Stratejileri: Dijital Okuryazarlık Düzeyinin Yordayıcı Rolü**
GÖKER H., TEKEDERE H.
Türkiye Sosyal Araştırmalar Dergisi, 2024 (Peer-Reviewed Journal)
- III. **Detection of Papilledema Severity from Color Fundus Images Using Transfer Learning Approaches**
KOKULU M., GÖKER H.
Aksaray University Journal of Science and Engineering, 2023 (Peer-Reviewed Journal)
- IV. **The Role of Online Information Searching Strategies and Digital Literacy Levels in Predicting Students' Lifelong Learning Competencies**
TEKEDERE H., GÖKER H.
Participatory Educational Research, vol.10, no.4, pp.1-15, 2023 (Scopus)
- V. **Detection of Obesity Stages Using Machine Learning Algorithm**
KİTİŞ Ş., GÖKER H.
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, vol.14, no.1, pp.80-88, 2023 (Peer-Reviewed Journal)
- VI. **Detection of Alzheimer's Disease from EEG Signals Using Multitaper and Ensemble Learning Methods**
GÖKER H.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.28, pp.141-152, 2023 (Peer-Reviewed Journal)
- VII. **Automatic Detection of Mild Cognitive Impairment from EEG Recordings Using Discrete Wavelet Transform Leader and Ensemble Learning Methods**
SAID A., GÖKER H.
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.14, no.1, pp.47-54, 2023 (Peer-Reviewed Journal)
- VIII. **The Applicability of Distance Education in Healthcare Technician Education: A Cross-Sectional Study**
TEKEDERE H., GÖKER H.
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, vol.10, pp.488-507, 2022 (Peer-Reviewed Journal)
- IX. **Covid-19 Sürecinde Yükseköğretimde Çevrimiçi Uzaktan Eğitim Öğrenci Deneyimlerinin İncelenmesi**
Tekedere H., Şahin S., Göker H.
Gazi Eğitim Fakültesi Dergisi, vol.42, no.1, pp.123-166, 2022 (Peer-Reviewed Journal)
- X. **Evde Yaşayan Yaşlılarda Yalnızlık Algısı ile Sosyal Medya Kullanımı Arasındaki İlişkinin İncelenmesi**
Göker H., TEKEDERE H., ARPACI F.
Üçüncü Sektör Sosyal Ekonomi, vol.55, no.3, 2020 (Peer-Reviewed Journal)
- XI. **Dynamic Expert System Design for the Prediction of Attention Deficit and Hyperactivity Disorder in Childhood**
GÖKER H., TEKEDERE H.
BİLİŞİM TEKNOLOJİLERİ DERGİSİ, vol.12, no.1, pp.33-41, 2019 (Peer-Reviewed Journal)
- XII. **FATİH Projesine Yönelik Görüşlerin Metin Madenciliği Yöntemleri İle Otomatik Değerlendirilmesi**
GÖKER H., TEKEDERE H.

BİLİŞİM TEKNOLOJİLERİ DERGİSİ, vol.10, no.3, pp.291-299, 2017 (Peer-Reviewed Journal)

- XIII. **Engellilere Yönelik E Öğrenme Ortamları Konusunda Yapılan Lisansüstü Tez Çalışmalarının İçerik Analizi**
GÖKER H., TEKEDERE H.
Adıyaman Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, no.24, pp.945-970, 2016 (Peer-Reviewed Journal)
- XIV. **Examining the Effectiveness of Augmented Reality Applications in Education A Meta Analysis**
TEKEDERE H., GÖKER H.
International Journal of Environmental Science Education, vol.11, no.16, pp.9469-9481, 2016 (Peer-Reviewed Journal)
- XV. **Erken Çocukluk Döneminde Otizm Teşhisine Yönelik Dinamik Uzman Sistem Tasarımı**
Göker H., Şahin İ., Tekedere H.
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.8, no.8, pp.167-172, 2015 (Peer-Reviewed Journal)
- XVI. **Gençlerin Bilişim Suçlarına İlişkin Farkındalık Düzeylerinin İncelenmesi**
Çakır H., Göker H.
Terazi Hukuk Dergisi, vol.9, no.92, pp.39-46, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Feature Extraction Methods in Electroencephalography (EEG) Based Brain-Computer Interface Systems**
GÖKER H.
in: Current Debates and Researches in Science and Engineering, Coğun Hikmet, Parlar İshak, Editor, Bilgin Kültür Sanat Yayınları, pp.593-608, 2022
- II. **SAĞLIK HİZMETLERİNDE NESNELERİN İNTERNETİ KULLANIMI**
TEKEDERE H., GÖKER H.
in: NESNELERİN İNTERNETİ KURAMDAN UYGULAMAYA, ÇAKIR HÜSEYİN, ULUYOL ÇELEBİ, Editor, Nobel, Ankara, pp.367-397, 2021
- III. **DESCRIPTIVE ANALYSIS OF THE STUDIES ON THE USE OF INTERNET OF THINGS (IoT) IN EDUCATIONAL ENVIRONMENTS**
GÖKER H., TEKEDERE H.
in: Current Academic Studies in Educational Sciences, Abdulkadir KABADAYI, Editor, Livre de Lyon, Lyon, pp.118-137, 2021
- IV. **Eğitsel Veri Madenciliğinin Örnek Bir Uygulama İle Değerlendirilmesi**
GÖKER H., TEKEDERE H.
in: Eğitimde Yapay Zeka, Nabyev Vasif, Erümit Ali Kürşat, Editor, PEGEM AKADEMİ, Ankara, pp.206-229, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Transfer Learning-Based Classification of Kidney Stone From Computed Tomography Images**
Göker H.
8th International Artificial Intelligence and Data Processing Symposium, Malatya, Turkey, 28 - 29 September 2024, pp.1-10
- II. **Multifractal Analysis and Ensemble Learning Approach for Diagnosing Developmental Coordination Disorder from EEG Signals**
GÖKER H.
6th International Artificial Intelligence and Data Processing Symposium, Turkey, 8 - 09 September 2022
- III. **Detection of Parkinson's Disease from EEG Signals Using Multifractal Analysis and Machine Learning**
GÖKER H.

International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 20 - 24 July 2022

- IV. **Comparison of Different Spectral Analysis Methods with an Experimental EEG Dataset**
GÖKER H.
International Joint Conference on Engineering, Science and Artificial Intelligence, Bursa, Turkey, 15 - 17 June 2022
- V. **Comparative Analysis of Machine Learning Algorithms for Early Diagnosis of Alzheimer's Disease**
GÖKER H., SAID A.
CMES-2022, Ordu, Turkey, 20 - 24 May 2022
- VI. **Performance Evaluation of Machine Learning Algorithms for Detecting Eating and Physical Status Based Obesity Stages**
KİTİŞ Ş., GÖKER H.
CMES 2022, Ordu, Turkey, 20 - 23 May 2022
- VII. **Autism Spectrum Disorder Detection Using Machine Learning Algorithms**
SAID A., GÖKER H.
CMES-2022, Ordu, Turkey, 20 - 23 May 2022
- VIII. **Üniversite Öğrencilerinin Bilgi Kirliliğine Yönelik Aldıkları Bireysel Önlemler**
TEKEDERE H., GÖKER H.
13. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu (ICITS 2019), Kırşehir, Turkey, 2 - 04 May 2019
- IX. **Engellilere Yönelik E Öğrenme Ortamları Konusunda Yapılmış Çalışmaların Lisansüstü Tezlere Dayalı Analizi YÖK Veri Tabanı Örnekleme**
GOKER H., TEKEDERE H.
10. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu (ICITS 2016), Rize, Turkey, 16 - 18 May 2016
- X. **Improving an Early Warning System to Prediction of Student Examination Achievement**
Goker H., BÜLBÜL H. İ.
13th International Conference on Machine Learning and Applications (ICMLA), Michigan, United States Of America, 3 - 06 December 2014, pp.568-573
- XI. **The Estimation of Students' Academic Success by Data Mining Methods**
Goker H., Bülbül H. İ., Irmak E.
12th International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 4 - 07 December 2013, pp.535-539

Supported Projects

Göker H., Tekedere H., Project Supported by Higher Education Institutions, Doğal Dil İşleme Teknikleri ile Sosyal Medya Platformlarında Nefret Söylemi Tespit Sisteminin Geliştirilmesi, 2024 - 2025

Göker H., Tekedere H., Babaoğlu Aydaş S. S., Şafak Y., Türkmen L., TUBİTAK Project, 1-D Evrişimli Sinir Ağı Derin Öğrenme ve Öznitelik Çıkarım Metotlarının Kullanılarak Elektroensefalografi Sinyallerinden Kanal Bazlı Tüketici Tercihlerinin Tespitinde Beyin-Bilgisayar Arayüz Tasarımı, 2024 - 2025

Göker H., TUBİTAK Project, TÜBİTAK 4006- Ahmet- Alper Dinçer Anadolu Lisesi Bilim Fuarı, 2014 - 2014

Scientific Refereeing

Biomedical Engineering/Biomedizinische Technik, Journal Indexed in SCI-E, June 2024

SIGNAL, IMAGE AND VIDEO PROCESSING, Journal Indexed in SCI-E, March 2024

IEEE TRANSACTIONS ON AUDIO, SPEECH AND LANGUAGE PROCESSING, Journal Indexed in SCI-E, December 2023

IEEE/ACM TRANSACTIONS ON SPEECH AND LANGUAGE PROCESSING, Journal Indexed in SCI-E, December 2023

COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, Journal Indexed in SCI-E, July 2023

IEEE/ACM TRANSACTIONS ON SPEECH AND LANGUAGE PROCESSING, Journal Indexed in SCI-E, March 2023