

## Res. Asst. PhD CANSEL FIÇICI

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2017 - 2022

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği (YI) (Tezli), Turkey 2015 - 2017

Undergraduate, Anadolu University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering (English), Turkey 2009 - 2014

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Epilepsi tespiti için MRG ve EEG verilerinin ilişkilendirilmesi, Ankara University, Fen Bilimleri Enstitüsü, 2022

Postgraduate, Mr görüntülerinde baş bölgesine ait anormal yapıların belirlenmesi ve hacimlerinin hesaplanması, Ankara University, Fen Bilimleri Enstitüsü, 2017

### Research Areas

Biomedical Image Processing, Electrical and Electronics Engineering, Electronic, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Ankara University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2015 - Continues

### Courses

Electronics Laboratory 1, Undergraduate, 2023 - 2024

Biomedical Systems, Undergraduate, 2024 - 2025

Project 2, Undergraduate, 2023 - 2024

Project 1, Undergraduate, 2024 - 2025

Introduction to Biomedical Engineering, Undergraduate, 2023 - 2024  
Electronics 1, Undergraduate, 2023 - 2024  
Electronics 2, Undergraduate, 2024 - 2025  
Orientation Programming to the University Life, Undergraduate, 2024 - 2025  
Electronics Laboratory 2, Undergraduate, 2024 - 2025  
Electronics Laboratory 2, Undergraduate, 2023 - 2024  
Biomedical Systems, Undergraduate, 2023 - 2024  
Electronics 2, Undergraduate, 2023 - 2024  
Electronics 1, Undergraduate, 2022 - 2023  
Project 1, Undergraduate, 2023 - 2024  
Electronics Laboratory 1, Undergraduate, 2022 - 2023  
Electronics Laboratory 2, Undergraduate, 2022 - 2023  
Electronics 2, Undergraduate, 2022 - 2023

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Temporal Lobe Epilepsy Focus Detection Based on the Correlation Between Brain MR Images and EEG Recordings with a Decision Tree**  
Ficici C., Telatar Z., Erogul O., Kocak O.  
DIAGNOSTICS, vol.14, no.22, pp.1-17, 2024 (SCI-Expanded)
- II. **Structural EEG signal analysis for sleep apnea classification**  
Kocak O., FIÇICI C., Firat H., Telatar Z.  
Biomedizinische Technik, vol.69, no.4, pp.419-430, 2024 (SCI-Expanded)
- III. **Automatic Brain Tumor Detection and Volume Estimation in Multimodal MRI Scans via a Symmetry Analysis**  
FIÇICI C., Erogul O., Telatar Z., Kocak O.  
Symmetry, vol.15, no.8, 2023 (SCI-Expanded)
- IV. **Identification of TLE Focus from EEG Signals by Using Deep Learning Approach**  
FIÇICI C., Telatar Z., Kocak O., Erogul O.  
Diagnostics, vol.13, no.13, 2023 (SCI-Expanded)
- V. **Localization of epileptic focus by gray matter reduction analysis from brain MR images for temporal lobe epilepsy patients**  
FIÇICI C., Telatar Z., Erogul O.  
Biomedical Signal Processing and Control, vol.83, 2023 (SCI-Expanded)
- VI. **Automated temporal lobe epilepsy and psychogenic nonepileptic seizure patient discrimination from multichannel EEG recordings using DWT based analysis**  
FIÇICI C., Telatar Z., EROĞUL O.  
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.77, 2022 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Design a Cuffless Blood Pressure Measurement System**  
KOÇAK O., TELATAR Z., FIÇICI C., KOÇOĞLU A.  
2023 Medical Technologies Congress (TIPTEKNO), Gazimagusa, Cyprus (Kkctc), 10 - 12 November 2023
- II. **EEG Signal Identification for Brain-Computer Interface**  
FIÇICI C., KOÇAK O., TELATAR Z.  
2023 Medical Technologies Congress (TIPTEKNO), Gazimagusa, Cyprus (Kkctc), 10 - 12 November 2023
- III. **Definition and Classification of Heart Diseases From Data Obtained with Echocardiography Doppler**  
FIÇICI C., KOÇAK O., TELATAR Z.

2023 Medical Technologies Congress (TIPTEKNO), Gazimagusa, Cyprus (Kkctc), 10 - 12 November 2023

**IV. A New Design Method for Pressure Mapping**

KOÇAK O., Özer E., TELATAR Z., FIÇICI C., KOÇOĞLU A., Özer E.

2023 Medical Technologies Congress (TIPTEKNO), Gazimagusa, Cyprus (Kkctc), 10 - 12 November 2023

**V. Epilepsy Detection using Time-Frequency Domain and Entropy Based EEG Analysis**

FIÇICI C., TELATAR Z., Kocak O.

31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Turkey, 5 - 08 July 2023

**VI. Epileptic Activity Detection in EEG Signals using Linear and Non-linear Feature Extraction Methods**

FIÇICI C., EROĞUL O., TELATAR Z.

11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.449-455

**VII. Fully Automated Brain Tumor Segmentation and Volume Estimation Based on Symmetry Analysis in MR Images**

FIÇICI C., EROĞUL O., TELATAR Z.

CMBEBIH 2017-International Conference on Biological and Medical Engineering, 16 - 18 March 2017, vol.62, pp.53-60

**VIII. MR image segmentation and symmetry analysis for detection of brain tumors**

Ogretmenoglu C., TELATAR Z., EROĞUL O.

European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231

**IX. Brain tumor detection and volume estimation via MR imaging**

Ogretmenoglu C., EROĞUL O., TELATAR Z., Guler E. R., Yildirim F.

European Biotechnology Congress, Bucharest, Romania, 7 - 09 May 2015, vol.208

## Supported Projects

Çatalbaş M. C., Arı F., Yüksekaya M., Fıçıcı C., Telatar Z., TÜBİTAK Project, Afet Sonrası Arama Kurtarma Operasyonlarında Hayatta Kalanları Tespit Etmek İçin Çoklu Sensör Veri Füzyonu Tabanlı Otonom İHA Sistemi Tasarımı ve Gerçekleştirilmesi, 2025 - 2026

Koçak O., Telatar Z., Fıçıcı C., TÜBİTAK Project, EECF TEDAVİ VE EŞZAMANLI MONİTÖRİZASYON SİSTEMİ - VİTAL-EECP, 2023 - 2025

Koçak O., Telatar Z., Fıçıcı C., TÜBİTAK Project, FONOKARDİYOĞRAFİ VE EKG TÜMLEŞİK ALMAÇ SİSTEMİ TASARIM, 2023 - 2025

## Metrics

Publication: 15

Citation (WoS): 19

Citation (Scopus): 26

H-Index (WoS): 3

H-Index (Scopus): 3