

## Res. Asst. İLKNUR KAYIKÇIOĞLU

### Personal Information

Office Phone: [+90 462 377 3152](tel:+904623773152)

Email: [ilknurkayikcioglu@ktu.edu.tr](mailto:ilknurkayikcioglu@ktu.edu.tr)

### Education Information

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2015 - 2017

### Research Areas

Biomedical Engineering, Biosignal Processing, Biosignal Processing, Engineering and Technology

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

- I. **Classification of cardiac arrhythmias using Zhao-Atlas-Marks time-frequency distribution**  
AKDENİZ F., KAYIKÇIOĞLU İ., KAYIKÇIOĞLU T.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.80, no.20, pp.30523-30537, 2021 (SCI-Expanded)
- II. **Time-frequency approach to ECG classification of myocardial infarction**  
KAYIKÇIOĞLU İ., AKDENİZ F., KÖSE C., KAYIKÇIOĞLU T.  
COMPUTERS & ELECTRICAL ENGINEERING, vol.84, 2020 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Simulation of morphologically and biophysically realistic single nerve cells using user-friendly software**  
ÖZCAN Z., KAYIKÇIOĞLU İ., yıldırım ö., KÖSE C., KAYIKÇIOĞLU T.  
17th Turkish Neuroscience Congress, Trabzon, Turkey, 4 - 07 April 2019, pp.540
- II. **Born-Jordan Zaman Frekans Dönüşümü ve Yapay Sinir Ağları Kullanılarak EKG ST Segmenti Değişiminin Tespiti (ECG ST Segment Change Detection Using Zhao- Atlas-Mark Time-Frequency Transform and Artificial Neural Networks)**  
KAYIKÇIOĞLU İ., KÖSE C., KAYIKÇIOĞLU T.  
IEEE 26th Signal Processing and communications applications Conference (IEEE 26, 2 - 05 May 2018)
- III. **ECG ST Segment Change Detection Using Born-Jordan Time-Frequency Transform and Artificial Neural Networks**  
KAYIKÇIOĞLU İ., KÖSE C., KAYIKÇIOĞLU T.  
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- IV. **Cell Master: A Versatile and User-Friendly Educational Software for Simulation of Neuronal Dynamics**  
ÖZCAN Z., KAYIKÇIOĞLU İ., Yıldırım O., KÖSE C., KAYIKÇIOĞLU T.  
Medical Technologies National Congress (TIPTEKNO), Magusa, CYPRUS, 8 - 10 November 2018
- V. **ECG ST Change Detection Using Zhao-Atlas-Mark Time-Frequency Distribution**

KAYIKÇIOĞLU İ., KAYIKÇIOĞLU T.

Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017

**VI. Real-Time Monitoring of ST Change for Telemedicine**

Kayikcioglu I., Akdeniz F., KAYIKÇIOĞLU T., KAYA İ.

International Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH), Sarajevo, Bosnia And Herzegovina, 16 - 18 March 2017, vol.62, pp.671-677

**VII. Using Wigner-Ville Distribution in ECG Arrhythmia Detection for Telemedicine Applications**

Akdeniz F., Kayikcioglu I., KAYA İ., KAYIKÇIOĞLU T.

39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.409-412

## **Metrics**

Publication: 9

Citation (WoS): 22

Citation (Scopus): 31

H-Index (WoS): 2

H-Index (Scopus): 3

## **Scholarships**

TÜBİTAK 2224A-Yurt Dışı Bilimsel Faaliyetleri Katılma Desteği Programı, University, 2016 - Continues