

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: R-1522-2019

ScopusID: 57195222479

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## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği A.B.D., Turkey 2017 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği A.B.D., Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2010 - 2014

## Foreign Languages

English, C1 Advanced

## Dissertations

Postgraduate, Konuşmacı Aşinalığının EEG Tabanlı Belirlenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği A.B.D., 2017

## Research Areas

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

## Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, 2015 - Continues

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

1. Improving a cortical pyramidal neuron model's classification performance on a real-world ecg dataset by extending inputs

Kayikcioglu Bozkir I., Özcan Z., Kose C., Kayikcioglu T., Cetin A. E.

JOURNAL OF COMPUTATIONAL NEUROSCIENCE, vol.51, no.3, pp.329-341, 2022 (SCI-Expanded)

- II. **Evaluating MFCC-based speaker identification systems with data envelopment analysis**  
ÖZCAN Z., KAYIKÇIOĞLU T.  
Expert Systems with Applications, vol.168, 2021 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **BroomyCell: An introductory educational software for neuroscience BroomyCell: Sinirbilim için tanıtıcı bir eğitim yazılımı**  
Özcan Z., Yildirim O., Kayıkçıoğlu T.  
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021
- II. **BİYOLOJİK NÖRONLARIN FARKLI AKIM UYARIMLARINDA DİNAMİĞİNİN İNCELENMESİ**  
TURHAN H., KAYIKÇIOĞLU T., ÖZCAN Z.  
2. ULUSLARARASI 19 MAYIS YENİLİKÇİ BİLİMSEL YAKLAŞIMLAR KONGRESİ, Samsun, Turkey, 27 - 29 December 2019
- III. **Simulation of biological networks.**  
YILDIRIM Ö., ÖZCAN Z., turhan h., KAYIKÇIOĞLU T.  
17th Turkish Neuroscience Congress, Trabzon, Turkey, 4 - 07 April 2019
- IV. **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
- V. **Cell Master: A Versatile and User-Friendly Educational Software for Simulation of Neuronal Dynamics**  
ÖZCAN Z., KAYIKÇIOĞLU İ., Yildirim O., KÖSE C., KAYIKÇIOĞLU T.  
Medical Technologies National Congress (TIPTEKNO), Magusa, CYPRUS, 8 - 10 November 2018
- VI. **Network Master: A Versatile and User-Friendly Educational Software for Simulation of Neural Networks**  
Yildirim O., ÖZCAN Z., TURHAN H., KAYIKÇIOĞLU T.  
Medical Technologies National Congress (TIPTEKNO), Magusa, CYPRUS, 8 - 10 November 2018
- VII. **A Speaker Identification Performance Comparison Based on The Classifier, The Computation Time and The Number Of MFCC**  
Özcan Z., Kayıkçıoğlu T.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

## Scientific Refereeing

ENERGY STORAGE MATERIALS, Journal Indexed in SCI-E, January 2022

29th Signal Processing and Communications Applications Conference (SIU), Conference Paper (Full Text), June 2021

RADIOELEKTRONIKA 2021, Conference Paper (Full Text), April 2021

## Metrics

Publication: 9

Citation (Scopus): 2

H-Index (Scopus): 1

## **Congress and Symposium Activities**

Ulusal Sinirbilim Kongresi, Attendee, Trabzon, Turkey, 2019

Medical Technologies National Congress (TIPTEKNO), Attendee, Gazimagusa, Cyprus (Kktc), 2018

25th Signal Processing and Communications Applications Conference (SIU), Attendee, Antalya, Turkey, 2017

## **Awards**

Özcan Z., Kayıkçıođlu İ., Yıldırım Ö., Köse C., Kayıkçıođlu T., Sözlü Sunum İkincilik Ödülü, 17. Ulusal Sinirbilim Kongresi, April 2019