

## Personal Information

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## International Researcher IDs

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

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## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, Turkey 2017 - 2024

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 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 PhD, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, 2015 - Continues

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

1. A STUDY ON MEASURING AN OBJECTIVE ASPECT SCORE FOR ANALYSIS IN FORESTRY: EXAMPLE OF

## **FOREST ROADS AND LANDSLIDE AREAS**

HATAY T. Y., ÖZCAN Z., GÜMÜŞ S.

SUMARSKI LIST, vol.148, no.9-10, pp.465-475, 2024 (SCI-Expanded)

### **II. 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)

### **III. 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., yildirim 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: 10

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 (Kkctc), 2018

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

## **Awards**

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