

## Asst. Prof. BERRAK ÖZTÜRK ŞİMŞEK

### Personal Information

**Email:** bozturk@iku.edu.tr

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### International Researcher IDs

ORCID: 0000-0001-7302-7843

Yoksis Researcher ID: 107113

### Education Information

Undergraduate, Anadolu University, Açıköğretim Fakültesi, Yönetim Bilişim Sistemleri Bölümü, Turkey 2022 - Continues  
Doctorate, İstanbul University-Cerrahpaşa, Lisansüstü Eğitim Enstitüsü, Turkey 2011 - 2020  
Postgraduate, İstanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2007 - 2011  
Undergraduate, İstanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2004 - 2007  
Associate Degree, İstanbul University, Teknik Bilimler Meslek Yüksekokulu, Teknik Programlar Bölümü, Turkey 2000 - 2002

### Foreign Languages

English, B1 Intermediate

### Dissertations

Postgraduate, Gerilimdeki dalgalanmaların aydınlatma elemanlarının renk sıcaklığına etkisi, İstanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011

### Academic Titles / Tasks

Assistant Professor, İstanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - Continues  
Research Assistant, İstanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2008 - Continues

### Academic and Administrative Experience

Chairperson of Department Promotion and Alumni Relations Commission, İstanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2023 - Continues  
Akredite edilmiş bir bölüm/program kadrosunda görev almak, İstanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2022 - Continues  
İstanbul Kultur University, 2022 - Continues  
İstanbul Kultur University, 2021 - Continues  
Ders/Sınav Planlama Fakülte/MYO Sorumlusu, İstanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2014 - Continues

Curriculum Preparation Committee Member, Istanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2008 - Continues

Internship Committee Member, Istanbul Kultur University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - 2024

## Courses

GRADUATION PROJECT, Undergraduate, 2021 - 2022, 2020 - 2021

HIGH VOLTAGE TECHNIQUE, Undergraduate, 2021 - 2022, 2020 - 2021

CIRCUIT ANALYSIS, Undergraduate, 2021 - 2022

RENEWABLE ENERGY SOURCES, Undergraduate, 2021 - 2022, 2020 - 2021

DIGITAL SPEECH PROCESSING, Postgraduate, 2021 - 2022

INTRODUCTION TO ELECTRIC CIRCUITS, Undergraduate, 2021 - 2022

ELECTRIC CIRCUITS LAB, Undergraduate, 2021 - 2022, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

DIGITAL SPEECH PROCESSING, Undergraduate, 2020 - 2021

LIGHTING DESIGN, Undergraduate, 2020 - 2021

ELECTRONIC CIRCUIT I LAB, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2014 - 2015, 2011 - 2012, 2010 - 2011

ELECTRONİK CİRCUİTS II LABORATORY, Undergraduate, 2018 - 2019, 2015 - 2016

LOGİK CİRCUİTS LABORATORY, Undergraduate, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014

digital design I, Undergraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013

Electronic Circuits I lab, Undergraduate, 2013 - 2014

Digital design II, Undergraduate, 2012 - 2013, 2009 - 2010

Logic Design, Undergraduate, 2012 - 2013

Electronic Circuits II, Undergraduate, 2012 - 2013

Electrical Measurement, Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009

Circuit Theory Lab, Undergraduate, 2009 - 2010, 2008 - 2009

## Refereed Congress / Symposium Publications in Proceedings

- I. **Audio Melody Extraction from Heterophonic Turkish Maqam Music**  
ÖZTÜRK ŞİMŞEK B., AKAN A.  
29th IEEE Conference on Signal Processing and Communications Applications (SIU), ELECTR NETWORK, 9 - 11 June 2021
- II. **Audio Melody Extraction from Monophonic Turkish Maqam Music**  
ÖZTÜRK ŞİMŞEK B., AKAN A.  
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- III. **Frequency Estimation for Monophonical Music by Using a Modified VMD Method**  
ÖZTÜRK ŞİMŞEK B., Akan A.  
25th European Signal Processing Conference (EUSIPCO), Greece, 28 August - 02 September 2017, pp.1873-1876
- IV. **Multiple Frequency Estimation by Using Improved Variational Mode Decomposition**  
ÖZTÜRK ŞİMŞEK B., Akan A.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- V. **Fundamental Frequency Estimation for Heterophonical Turkish Music by using VMD**  
ÖZTÜRK ŞİMŞEK B., Bozkurt B., Akan A.  
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1625-1628

**VI. Monofonik Türk Müziği Eserlerinde Değişken Kip Ayrışım Yöntemi ile Temel Frekans Kestirimi**

ÖZTÜRK ŞİMŞEK B., AKAN A., BOZKURT B.

23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 16 - 19 May 2015, vol.1, pp.1-4

**VII. Fundamental Frequency Estimation for Monophonical Turkish Music by using VMD**

ÖZTÜRK ŞİMŞEK B., Akan A., Bozkurt B.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1022-1025

## **Metrics**

Publication: 9

Citation (WoS): 10

Citation (Scopus): 11

H-Index (WoS): 2

H-Index (Scopus): 2