

## Res. Asst. PhD FATMA ÖZGE ÖZKÖK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAU-9124-2021

ScopusID: 57200860271

Yoksis Researcher ID: 215746

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2016 - 2021

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2014 - 2016

Undergraduate, Anadolu University, Faculty Of Business Administration, İşletme, Turkey 2011 - 2015

Undergraduate Double Major, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, Turkey 2012 - 2014

Undergraduate, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2009 - 2014

### Certificates, Courses and Trainings

IT, Yapay Öğrenme Kış Okulu, Koç Üniversitesi, 2020

IT, Kuzeybatıda Yapay Öğrenme Yaz Okulu, Koç Üniversitesi, 2019

IT, IBM Big Data Engineer, IBM Türkiye, 2018

Education Management and Planning, Boğaz'da Yapay Öğrenme İsmail Arı Yaz Okulu, Boğaziçi Üniversitesi, 2018

Education Management and Planning, Veri Bilimi Yaz Okulu, VBYO, Boğaziçi Üniversitesi, 2017

Education Management and Planning, İsmail Arı Bilgisayar Bilimleri ve Mühendisliği Bilimsel Eğitim Etkinliği, Boğaziçi Üniversitesi, 2017

Education Management and Planning, Bozkırda Yapay Öğrenme Yaz Okulu, Hacettepe Üniversitesi, 2017

Education Management and Planning, İsmail Arı Bilgisayar Bilimleri ve Mühendisliği Bilimsel Eğitim Etkinliği, Boğaziçi Üniversitesi, 2015

IT, Microsoft Yaz Okulu, Microsoft, 2013

### Dissertations

Postgraduate, Gıdalarda Bozulmaya Neden Olan Maya Türlerinin Belirlenmesi İçin Veri Madenciliği Tekniklerinin Geliştirilmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2016

### Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - Continues

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

- I. **A hybrid CNN-LSTM model for high resolution melting curve classification**  
ÖZKÖK F. Ö. , ÇELİK M.  
Biomedical Signal Processing and Control, vol.71, 2022 (Peer-Reviewed Journal)
- II. **A Hybrid Validity Index to Determine K Parameter Value of k -Means Algorithm for Time Series Clustering**  
Özkök F. Ö. , Çelik M.  
International Journal of Information Technology and Decision Making, vol.20, pp.1615-1636, 2021 (Peer-Reviewed Journal)
- III. **Convolutional neural network analysis of recurrence plots for high resolution melting classification**  
ÖZKÖK F. Ö. , ÇELİK M.  
Computer Methods and Programs in Biomedicine, vol.207, 2021 (Peer-Reviewed Journal)
- IV. **Assessment of Multi Fragment Melting Analysis System (MFMAS) for the Identification of Food-Borne Yeasts**  
KESMEN Z., BUYUKKIRAZ M. E. , Özbekar E., ÇELİK M., ÖZKÖK F. Ö. , KILIC O., ÇETİN B., Yetim H.  
CURRENT MICROBIOLOGY, vol.75, no.6, pp.716-725, 2018 (Peer-Reviewed Journal)

## Articles Published in Other Journals

- I. **A New Approach to Determine Eps Parameter of DBSCAN Algorithm**  
ÖZKÖK F. Ö. , ÇELİK M.  
International Journal of Intelligent Systems and Applications in Engineering, vol.4, pp.247-251, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Automatic Image Segmentation Using ST-DBSCAN Clustering Algorithm**  
Özkök F. Ö. , Çelik M.  
8th International Conference on Advanced Technologies (ICAT'19), Sarajevo, Bosnia And Herzegovina, 26 - 30 August 2019, pp.207-211
- II. **Automatic Determination of K Parameter Value of K-Means for Time Series Clustering**  
Özkök F. Ö. , Çelik M.  
11. Statistics Congress, Muğla, Turkey, 4 - 08 October 2019
- III. **A Novel Approach for Identification of Food-borne Yeasts: Multi-Fragment Melting Analysis System (MFMAS)**  
KESMEN Z., BÜYÜKKİRAZ M. E. , Özbekar E., ÖZKÖK F. Ö. , ÇELİK M.  
2nd International Congress on Advances in Bioscience and Biotechnology (ICABB), Podgorica, KARADAĞ, 26 - 30 June 2018, pp.25-26
- IV. **AutoVDBSCAN: An Automatic and Level-Wise Varied-Density Based Anomaly Detection Algorithm**  
ÖZEKES A., ÇELİK M., ÖZKÖK F. Ö. , Kömüşçü A. Ü. , DADAŞER ÇELİK F.  
7th International Conference on Advanced Technologies (ICAT'xx18), Antalya, Turkey, 28 April - 01 May 2018, pp.534-538
- V. **Comparison of the Performances of Clustering Algorithms on High Resolution Melt Curves of Yeast Species**  
ÇELİK M., ÖZKÖK F. Ö. , KESMEN Z., BÜYÜKKİRAZ M. E.  
7th International Conference on Advanced Technologies (ICAT'xx18), Antalya, Turkey, 24 April - 01 May 2018, pp.504-509
- VI. **Multi-Fragment Melting Analysis System (MFMAS) A Novel Approach for Identification of**

### **Lactobacillus Species**

KESMEN Z., KILIC Ö., ÖZKÖK F. Ö. , ÇELİK M.

6th International Molecular Biology and Biotechnology Congress (MOLBIOTECH), Afyon, Turkey, 22 - 25 December 2017, pp.16

VII. **Comparison the Performances of DBSCAN Clustering Algorithm and Image Processing Techniques for Counting White Blood Cells**

ÖZKÖK F. Ö. , ÇELİK M.

5th International Conference on Advanced Technology Sciences (ICAT'xx17), İstanbul, Turkey, 9 - 12 May 2017, vol.227

VIII. **MULTI-FRAGMENT MELTING ANALYSIS SYSTEM (MFMAS) FOR IDENTIFICATION OF CANDIDA SPECIES**

KESMEN Z., ÇELİK M., ÖZKÖK F. Ö. , Erdem Büyükkiraz M., Özbekar E., SOYLU B.

IWBIO 2017 (5th International Work-Conference on Bioinformatics and Biomedical Engineering), Granada, Spain, 26 - 28 April 2017, pp.44-48

IX. **Maya Türlerinin Tanımlanmasında Yeni bir Yaklaşım: Çoklu Fragment Melting Analiz Sistemi**

KESMEN Z., ERDEM M., Özbekar E., ÖZKÖK F. Ö. , ÇELİK M., KILIC Ö., ÇETİN B., YETİM H.

1. Ulusal İnsan Mikrobiyotası ve Sağlığımıza Etkileri Kongresi, Ankara, Turkey, 8 - 10 December 2016

X. **An Application for Dynamic and Real Time Shopping Route Recommendation in Retail Markets**

YILDIRIM İ., ÖZKÖK F. Ö. , ÇELİK M.

International Conference on Information Complexity and Statistical Modelling in High Dimensions with Applications (IC-SMHD-2016), Nevşehir, Turkey, 18 - 21 May 2016, pp.51

XI. **Counting of White Blood Cells Using STDBSCAN Clustering Algorithm**

ÖZKÖK F. Ö. , YILDIRIM İ., ÇELİK M.

International Conference on Information Complexity and Statistical Modelling in High Dimensions with Applications (IC-SMHD-2016), Nevşehir, Turkey, 18 - 21 May 2016, pp.67

### **Metrics**

Publication: 16

Citation (WoS): 12

Citation (Scopus): 13

H-Index (WoS): 3

H-Index (Scopus): 3

### **Awards**

Özkök F. Ö. , Best Presenter Award, 8Th International Conference On Advanced Technologies (Icat'19), August 2019

ÖZKÖK F. Ö. , Best Presenter Award, 7th International Conference on Advanced Technologies, April 2018

ÖZKÖK F. Ö. , Best Paper Award, 7th International Conference on Advanced Technologies, April 2018

ÖZKÖK F. Ö. , NEW GENERATION MICROORGANISM IDENTIFICATION KIT, İstanbul Uluslararası Buluş Fuarı, ISIF17, March 2017

ÖZKÖK F. Ö. , Mezuniyet: Bilgisayar Mühendisliği Bölümü, Bölüm Birinciliği, Erciyes Üniversitesi, June 2014