

## Asst. Prof. YONCA BAYRAKDAR

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-8708-1752

ScopusID: 50661093700

Yoksis Researcher ID: 144609

### Education Information

Post Doctorate, Universidade do Porto, Faculdade de Engenharia, Laboratório de Sistemas e Tecnologia Subaquática, Portugal 2015 - 2016

Doctorate, Ege University, Faculty Of Engineering, Bilgisayar Mühendisliği, Turkey 2005 - 2012

Undergraduate, Marmara University, Faculty Of Engineering, Bilgisayar Mühendisliği (İngilizce), Turkey 2000 - 2004

### Foreign Languages

English, B2 Upper Intermediate

Portuguese, A1 Beginner

Spanish, A2 Elementary

### Certificates, Courses and Trainings

IT, Visiting Doctoral Student, State Planning Organization, 2010

### Dissertations

Doctorate, Developing A Routing Protocol For Underwater Wireless Sensor Networks, Ege University, Institute of Science and Technology, Computer Engineering, 2012

### Research Areas

Computer Sciences, algorithms, Distributed Systems, Computer Networks, Communications and Network Protocols, Data Routing, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Software Engineering, Physics, Acoustics, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2018 - Continues  
Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2017 - 2018  
Research Assistant PhD, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2013 - 2017  
Research Assistant, Ege University, Faculty Of Engineering, Bilgisayar Mühendisliği, 2005 - 2013

## Academic and Administrative Experience

Erasmus Program Department Coordinator, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2024 - Continues

Head of Department, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - 2023

Fakülte Yönetim Kurulu Üyesi, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2018 - 2021

Deputy Head of Department, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2017 - 2018

## Courses

### Doctorate

Big Data, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021

### Undergraduate

Software Engineering, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Concept Of Programming Languages, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Operating Systems, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Software Testing Techniques, Undergraduate, 2021 - 2022

## Supervised Theses

Bayrakdar Y., Performance evaluation of deep learning methods in medical images, Postgraduate, A.MELİKE(Student), 2024

Bayrakdar Y., Developing a web browser extension to prevent the spread of fake news, Postgraduate, M.ESRA(Student), 2023

Bayrakdar Y., Examining the spread of fake news with sentiment analysis and comparing the performance of artificial neural networks in text classification, Postgraduate, M.FEYZA(Student), 2022

Bayrakdar Y., AUTOMATIC DETECTION AND MEASUREMENT OF OPEN SPINA BIFIDA MARKERS IN 11 - 13 + 6 WEEKS PREGNANCY WITH DEEP LEARNING, Postgraduate, D.Ataş(Student), 2022

## Articles Published in Other Journals

### I. DEVELOPING A WEB BROWSER EXTENSION TO PREVENT THE SPREAD OF FAKE NEWS

Taşcı M. E., Bayrakdar Y.

International Journal of Engineering and Computer Science, vol.13, no.10, pp.26576-26588, 2024 (Peer-Reviewed Journal)

### II. Which Emotions of Social Media Users Lead to Dissemination of Fake News: Sentiment Analysis Towards Covid -19 Vaccine

Er M. F., Bayrakdar Y.

Journal of advanced research in natural and applied sciences (Online), vol.9, no.1, pp.107-126, 2023 (Peer-

Reviewed Journal)

III. **Computer-Aided Monitoring of Fetus Health From Ultrasound Images: A Review**

Ataş D., Bayrakdar Y.

ACTA Infologica, pp.1-20, 2022 (Peer-Reviewed Journal)

IV. **ENERGY EFFICIENT ROUTING PROTOCOL FOR UNDERWATER WIRELESS SENSOR NETWORKS**

Bayrakdar Y., Kantarcı A.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.12, no.44, pp.27-38, 2013 (Peer-Reviewed Journal)

## **Papers Published in Refereed Scientific Meetings**

I. **Preventing the Spread of Fake News in Recommendation Systems**

Taşçı M. E., Bayrakdar Y.

8. Uluslararası Bilimsel Çalışmalar Kongresi (UBCAK), Ankara, Turkey, 15 March - 17 April 2022, pp.116-124

II. **COMPUTER AIDED DIAGNOSIS METHODS USED FOR AUTOMATIC DETECTION OF FETAL BRAIN ANOMALIES**

Ataş D., Bayrakdar Y.

TRAKYA ÜNİVERSİTELER BİRLİĞİ V. LİSANSÜSTÜ ÖĞRENCİ KONGRESİ, 4 - 05 November 2021, pp.1

III. **INVESTIGATION OF THE EFFECT OF EMOTIONAL STATE OF SOCIAL MEDIA USERS ON THE SPREAD OF FAKE NEWS**

Er M. F., Bayrakdar Y.

TRAKYA ÜNİVERSİTELER BİRLİĞİ V. LİSANSÜSTÜ ÖĞRENCİ KONGRESİ, Balıkesir, Turkey, 4 - 05 November 2021, pp.1

IV. **Energy aware underwater routing: A pool experiment**

BAYRAKDAR Y.

25th Telecommunications Forum, TELFOR 2017, Belgrade, Serbia, 21 - 22 November 2017, pp.1-4

V. **Routing protocol for AUV communications: report from field tests**

BAYRAKDAR Y., Pinto J., Pereira J., Teixeira J.

Oceans Aberdeen Conference, Aberdeen, United Kingdom, 19 - 22 June 2017

VI. **Energy Aware Underwater Routing: A Pool Experiment**

BAYRAKDAR Y.

25th Telecommunication Forum (TELFOR), Belgrade, Serbia And Montenegro, 21 - 22 November 2017, pp.238-241

VII. **IT Woman in Turkey: Education and Career Obstacles**

BAYRAKDAR Y., Özgöbek Ö.

22 nd ICE/IEEE International Technology Management Conference, Trondheim, Norway, 13 - 15 June 2016, pp.1-6

VIII. **IT Women in Turkey Education and Career Obstacles**

BAYRAKDAR Y., ÖZGÖBEK Ö.

22nd ICE/IEEE International Technology Management Conference, 13 - 15 June 2016

IX. **A comparative view of routing protocols for underwater wireless sensor networks**

Bayrakdar Y., MERATNIA N., KANTARCI A.

OCEANS 2011 IEEE - Spain, Santander, Spain, 6 - 09 June 2011

## **Peer Reviews in Scientific Publications**

IEEE Communication Letters, SCI Journal, September 2016

## **Metrics**

Publication: 19  
Citation (WoS): 18  
Citation (Scopus): 52  
H-Index (WoS): 1  
H-Index (Scopus): 2

## **Scholarships**

2219 - International Postdoctoral Research Scholarship Program, TUBITAK, 2015 - 2016

## **Non Academic Experience**

Univera AŞ., Yazılım Uzmanı