

# SERHAT ÖZEKES

## PROF.

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### International Researcher IDs

ScholarID: 58W\_me4AAAAJ

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Publons / Web Of Science ResearcherID: FRQ-3982-2022

ScopusID: 11839951800

Yoksis Researcher ID: 29371

### Education

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Undergraduate 2015 - 2018	Hoca Ahmet Yesevi Türk Kazak Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Kazakistan
Doctorate 2002 - 2006	Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, Turkey
Postgraduate 2000 - 2002	Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, Turkey
Undergraduate 1996 - 2000	Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey

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### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Tıbbi Görüntüleme Bilgisayar Destekli Tespit , Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, 2006

Postgraduate, Veri Madenciliği Uygulaması , Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, 2002

### Academic Titles / Tasks

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Professor 2023 - Continues	Marmara University, Faculty of Technology, Computer Engineering
Professor 2019 - 2023	Uskudar University, Faculty Of Engineering And Natural Sciences, Department Of Computer Engineering

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Associate Professor  
2014 - 2019

Uskudar University, Faculty Of Engineering And Natural Sciences, Department Of  
Computer Engineering

Assistant Professor  
2012 - 2014

Uskudar University, Faculty Of Engineering And Natural Sciences, Department Of  
Computer Engineering

Assistant Professor  
2009 - 2012

Istanbul Arel University, Faculty Of Engineering-Architecture, Department Of  
Computer Engineering

Lecturer PhD  
2007 - 2009

Istanbul Commerce University, Vocational School, Department Of Computer  
Technologies

Lecturer  
2002 - 2007

Istanbul Commerce University, Vocational School, Department Of Computer  
Technologies

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

- 1. Improving cross-subject classification performance of motor imagery signals: a data augmentation-focused deep learning framework**  
Ozelbas E., Tülay E. E., ÖZEKES S.  
Machine Learning: Science and Technology, vol.5, no.1, 2024 (SCI-Expanded)
- 2. A Novel LSB Steganography Technique Using Image Segmentation**  
Demircan Y. Y., ÖZEKES S.  
Journal of Universal Computer Science, vol.30, no.3, pp.308-332, 2024 (SCI-Expanded)
- 3. DLSB - The distanced least significant bit steganography DLSB - Uzaklaştırılmış en önemsiz bit steganografi**  
Baysan B., Özekes S.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.3, pp.1725-1735, 2023 (SCI-Expanded)
- 4. Harmonic analysis of steady-state visual evoked potentials in brain computer interfaces**  
Cetin V., Ozekes S., Varol H. S.  
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.60, 2020 (SCI-Expanded)
- 5. Feature Selection and Classification of Electroencephalographic Signals: An Artificial Neural Network and Genetic Algorithm Based Approach**  
Erguzel T. T., Ozekes S., Tan O., Gultekin S.  
CLINICAL EEG AND NEUROSCIENCE, vol.46, no.4, pp.321-326, 2015 (SCI-Expanded)
- 6. A hybrid artificial intelligence method to classify trichotillomania and obsessive compulsive disorder**  
Erguzel T. T., Ozekes S., Sayar G. H., Tan O., Tarhan N.  
NEUROCOMPUTING, vol.161, pp.220-228, 2015 (SCI-Expanded)
- 7. Neural Network Based Response Prediction of rTMS in Major Depressive Disorder Using QEEG Cordance**  
Erguzel T. T., Ozekes S., Gultekin S., Tarhan N., Sayar G. H., BAYRAM A.  
PSYCHIATRY INVESTIGATION, vol.12, no.1, pp.61-65, 2015 (SCI-Expanded)
- 8. Analysis of Brain Functional Changes in High-Frequency Repetitive Transcranial Magnetic Stimulation in Treatment-Resistant Depression**  
Ozekes S., Erguzel T., Sayar G. H., Tarhan N.

- CLINICAL EEG AND NEUROSCIENCE, vol.45, no.4, pp.257-261, 2014 (SCI-Expanded)
9. **Ant Colony Optimization Based Feature Selection Method for QEEG Data Classification**  
Erguzel T. T., Ozekes S., Gultekin S., Tarhan N.  
PSYCHIATRY INVESTIGATION, vol.11, no.3, pp.243-250, 2014 (SCI-Expanded)
  10. **Classification of Juvenile Myoclonic Epilepsy Data Acquired Through Scanning Electromyography with Machine Learning Algorithms**  
Goker I., Osman O., Ozekes S., BASLO M. B., Ertas M., Ulgen Y.  
JOURNAL OF MEDICAL SYSTEMS, vol.36, no.5, pp.2705-2711, 2012 (SCI-Expanded)
  11. **Computerized Lung Nodule Detection Using 3D Feature Extraction and Learning Based Algorithms**  
Ozekes S., Osman O.  
JOURNAL OF MEDICAL SYSTEMS, vol.34, no.2, pp.185-194, 2010 (SCI-Expanded)
  12. **Nodule detection in a lung region that's segmented with using genetic cellular neural networks and 3D template matching with fuzzy rule based thresholding**  
Ozekes S., Osman O., Ucan O. N.  
KOREAN JOURNAL OF RADIOLOGY, vol.9, no.1, pp.1-9, 2008 (SCI-Expanded)
  13. **Lung nodule diagnosis using 3D template matching**  
Osman O., Ozekes S., Ucan O. N.  
COMPUTERS IN BIOLOGY AND MEDICINE, vol.37, no.8, pp.1167-1172, 2007 (SCI-Expanded)
  14. **Automatic lung nodule detection using template matching**  
Ozekes S., Camurcu A. Y.  
ADVANCES IN INFORMATION SYSTEMS, PROCEEDINGS, vol.4243, pp.247-253, 2006 (SCI-Expanded)
  15. **Mammographic mass detection using a mass template**  
Ozekes S., Osman O., Camurcu A.  
KOREAN JOURNAL OF RADIOLOGY, vol.6, no.4, pp.221-228, 2005 (SCI-Expanded)

#### Articles Published in Other Journals

1. **SAAC – Statistical Absolute Avalanche Criterion Test for Analysis of Cryptosystems SAAC- Kriptosistemlerin analizi için İstatistiksel Mutlak Çığ-Etkisi Kriter Testi**  
Baysan B., Ozekes S.  
El-Cezeri Journal of Science and Engineering, vol.9, no.3, pp.1136-1146, 2022 (Scopus)
2. **Effects of Digital Filtering on the Classification Performance of Steady-State Visual Evoked Potential Based Brain-Computer Interfaces**  
Çetin V., Özekes M., Varol H. S.  
Balkan Journal of Electrical and Computer Engineering, vol.8, no.1, pp.108-113, 2020 (Peer-Reviewed Journal)
3. **Detection of Abnormal Network Traffic by Machine Learning Methods**  
ÖZEKES S., KARAKOÇ E. N.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, no.1, pp.566-576, 2019 (Peer-Reviewed Journal)
4. **Predicting Dropout Student: An Application of Data Mining Methods in an Online Education Program**  
Yukselturk E., Ozekes S., Türel Y. K.  
EUROPEAN JOURNAL OF OPEN, DISTANCE AND E-LEARNING, vol.17, no.1, pp.118-133, 2014 (Peer-Reviewed Journal)
5. **Artificial intelligence approaches in psychiatric disorders**  
Erguzel T., Özekes S.  
The Journal of Neurobehavioral Sciences, vol.1, no.2, pp.1-4, 2014 (Peer-Reviewed Journal)
6. **An Iterative Segmentation Method For Region of Interest Extraction**  
Özekes S.  
International Journal of Electronics; Mechanical and Mechatronics Engineering, vol.3, pp.201-204, 2012 (Peer-Reviewed Journal)
7. **Rule-Based Lung Region Segmentation and Nodule Detection via Genetic Algorithm Trained Template**

## Matching

Özekes S.

İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.6, pp.17-30, 2007 (Peer-Reviewed Journal)

### 8. 3D COLONIC POLYP DETECTION IN CT IMAGES USING TEMPLATE MATCHING

Ozekes S.

ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.7, no.2, pp.411-418, 2007 (ESCI)

### 9. Şablon Eşleme Yöntemi Kullanılarak Mamogramlardaki ve Akciğer BT'lerindeki Anormalliklerin Bilgisayar Destekli Tespiti: Bir Derleme Çalışması

Özekes S., Çamurcu A. Y.

İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.5, pp.101-118, 2006 (Peer-Reviewed Journal)

### 10. RULE BASED DETECTION OF LUNG NODULES IN CT IMAGES

Ozekes S., Camurcu A. Y.

ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.6, no.1, pp.61-67, 2006 (ESCI)

### 11. Evaluation of Active Queue Management Algorithms

Özekes S.

İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.4, pp.123-139, 2005 (Peer-Reviewed Journal)

### 12. Computer Aided Detection of Mammographic Masses on Digital Mammograms

Özekes S., Çamurcu A. Y.

İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.4, pp.87-95, 2005 (Peer-Reviewed Journal)

### 13. Classification and Prediction in Data Mining with Neural Networks

Özekes S.

ISTANBUL UNIVERSITY - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.3, pp.707-712, 2003 (Peer-Reviewed Journal)

### 14. Veri Madenciliği Modelleri ve Uygulama Alanları

Özekes S.

İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, no.3, pp.65-82, 2003 (Peer-Reviewed Journal)

### 15. Classification and Prediction in a Data Mining Application

Özekes S., Çamurcu A. Y.

Marmara Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.157-172, 2002 (Peer-Reviewed Journal)

## Books

### 1. EEG Biomarkers in Depression

Özekes S.

in: Neurophotronics and Brain Mapping, Chen Yu and Kateb Babak, Editor, CRC, New York , New York, pp.513-525, 2017

## Papers Published in Refereed Scientific Meetings

### 1. Computerized Loan Risk Prediction In Banking

Özekes S.

Conference of the International Journal of Arts & Sciences, Paris, France, 01 May 2018, pp.191-192

### 2. Educational Data Mining: An Application on Distance Education in Higher Education

Özekes S.

3rd International Congress on Curriculum and Instruction, Adana, Turkey, 01 May 2015, pp.1-6

### 3. Tekrarlı Transkranyal Manyetik Uyarım Tedavi Yöntemi Sonucunun EEG Tabanlı Tahmin Edilmesi

Özekes S.

- TIPTEKNO 2014, Nevşehir, Turkey, 01 September 2014, pp.1-6
4. **Classification of Major Depressive Disorder Subjects using Pre-rTMS Electroencephalography Data with Support Vector Machine Approach**  
Erguzel T., Ozekes S., BAYRAM A., Tarhan N.  
Science and Information Conference (SAI), London, Canada, 27 - 29 August 2014, pp.410-414
  5. **Taramalı Elektromiyografi İşaretlerinin Lineer Regresyon Yöntemi İle İncelenmesi**  
Özekes S.  
TIPTEKNO 2011, Antalya, Turkey, 01 October 2011, pp.1-5
  6. **Taramalı Elektromiyografi Yöntemi İle Elde Edilmiş Olan Jüvenil Miyoklonik Epilepsi Verilerinin Yapay Sinir Ağları Kullanılarak Sınıflandırılması**  
Özekes S.  
TIPTEKNO 2010, Antalya, Turkey, 01 October 2010, pp.1-5
  7. **Automatic lung nodule detection using template matching**  
Ozekes S., Camurcu A. Y.  
4th International Conference on Advances in Information Systems, ADVIS 2006, İzmir, Turkey, 18 - 20 October 2006, vol.4243 LNCS, pp.247-253
  8. **Computerized detection of architectural distortions in digital mammograms**  
Ozekes S., Osman O., Camurcu A.  
19th International Congress and Exhibition on Computer Assisted Radiology and Surgery, Berlin, Germany, 22 - 25 June 2005, vol.1281, pp.1396
  9. **Veri Madenciliğinde Karar Ağaçları Yöntemi Uygulaması**  
Özekes S., Çamurcu A. Y.  
Pamukkale Üniversitesi - Bilgi Teknolojileri Kongresi II, Denizli, Turkey, 01 May 2003, pp.180-182
  10. **Breast Cancer Diagnosis via Artificial Neural Networks**  
Özekes S.  
International Conference on Signal Processing'2003, Çanakkale, Turkey, 01 May 2003, pp.112-115

## Academic and Administrative Experience

2023 - Continues	<b>Head of Department</b>	Marmara University, Faculty of Technology, Computer Engineering
2023 - Continues	<b>Head of Department</b>	Marmara University, Faculty of Technology, Computer Engineering
2020 - 2023	<b>Üsküdar Üniversitesi Dijital Dönüşüm Koordinatörü</b>	Uskudar University
2016 - 2023	<b>Institute Board Member</b>	Uskudar University, Institute Of Addiction And Forensic Sciences
2012 - 2023	<b>Erasmus Program Department Coordinator</b>	Uskudar University, Faculty Of Engineering And Natural Sciences, Department Of Computer Engineering
2012 - 2023	<b>Head of Department</b>	Uskudar University, Faculty Of Engineering And Natural Sciences, Department Of Computer Engineering
2012 - 2019	<b>Vice Dean</b>	Uskudar University, Faculty Of Engineering And Natural Sciences
2009 - 2012	<b>Head of Department</b>	Istanbul Arel University, Faculty Of Engineering-Architecture, Department Of Computer Engineering

## Courses

### Doctorate

Siber Güvenlik Tehditleri ve Önlemler, Doctorate, 2021 - 2022  
Network Güvenliği, Doctorate, 2021 - 2022  
Bilişim Güvenliği ve Dijital Delil İncelemeleri, Doctorate, 2021 - 2022  
Kodlama Teorisi, Doctorate, 2021 - 2022

### Postgraduate

AI in Cybersecurity, Postgraduate, 2022 - 2023  
Yapay Zeka ve Uygulamaları, Postgraduate, 2022 - 2023  
Doğal Dil İşleme, Postgraduate, 2022 - 2023  
Psikolojide Yapay Zeka Uygulamaları, Postgraduate, 2021 - 2022  
Kriptografi, Postgraduate, 2021 - 2022  
Steganografi ve Elektronik İşaretleme, Postgraduate, 2021 - 2022  
Veri Madenciliğinde İleri Konular, Postgraduate, 2022 - 2023  
Adli Bilişim, Postgraduate, 2021 - 2022  
Introduction to Cryptography, Postgraduate, 2021 - 2022  
Bilimsel Araştırma Yöntemleri ve Akademik Etik, Postgraduate, 2021 - 2022  
Siber Suç Soruşturması: Delil Toplama ve Yönetim, Postgraduate, 2021 - 2022  
Penetration Testing and Vulnerability Analysis, Postgraduate, 2021 - 2022  
Dijital Deliller, Postgraduate, 2021 - 2022

### Undergraduate

Data Mining, Undergraduate, 2022 - 2023  
Artificial Intelligence, Undergraduate, 2021 - 2022  
Adli Bilişim Suçlarında Soruşturma, Undergraduate, 2021 - 2022  
Veri Güvenliği, Undergraduate, 2021 - 2022  
Computer Graphics, Undergraduate, 2021 - 2022  
Introduction to Computer Engineering, Undergraduate, 2021 - 2022

## Supervised Theses

Özekes S., Karma: Değişken uzunluklu kriptografik özetleme fonksiyonu, Doctorate, B.Baysan(Student), Continues  
Özekes S., Covid19 Pandemisi Sürecinde Değişen Toplumsal Algıların ve Sebeplerinin Araştırılması: Sosyal Medya ve Metin Madenciliği Yaklaşımı, Doctorate, K.Yılancioğlu(Student), Continues  
Varol S., Özekes S., Görsel uyaran potansiyel tabanlı beyin bilgisayar arayüzü tasarımı, Doctorate, V.Çetin(Student), 2020

## Research Areas

Hiding Information, Cryptography, Artificial Intelligence, Computer Learning and Pattern Recognition, Natural Language Processing