

## Lect. PhD Ahmet ELBİR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2015 - 2020

Undergraduate, Sakarya University, Faculty Of Computer And Information Sciences, Bilgisayar Mühendisliği, Turkey 2014 - 2016

Postgraduate, Yildiz Technical University, Fen Bilimleri, Bilgisayar Mühendisliği, Turkey 2013 - 2015

Undergraduate, Marmara University, Faculty Of Technical Education, Bilgisayar Ve Kontrol Eğitimi, Turkey 2007 - 2012

### Academic Titles / Tasks

Lecturer, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2020 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2013 - 2020

### Courses

Yapısal Programlamaya Giriş, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

OPERATING SYSTEMS, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Sayısal Analiz, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

WEB PROGRAMMING, Postgraduate, 2022 - 2023

Research Methods and Scientific Ethics, Postgraduate, 2022 - 2023

AYRIK MATEMATİK, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Bilgisayar Mühendisleri için Sinyaller ve Sistemler, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Yapısal programlama , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Nesneye Yönelik Programlama, Undergraduate, 2020 - 2021

Algoritma Analizi, Undergraduate, 2020 - 2021

Algoritma Tasarımı ve Programlamaya Giriş , Undergraduate, 2020 - 2021

PROGRAMLAMA DİLLERİ , Undergraduate, 2020 - 2021

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

- I. **The Evaluation of Nature-Inspired Optimization Techniques for Contrast Enhancement in Images: A Novel Software Tool**

İLHAN H. O., ELBİR A., SERBES G., AYDIN N.

Traitement du Signal, vol.40, no.4, pp.1305-1318, 2023 (SCI-Expanded)

- II. **Music genre classification and music recommendation by using deep learning**  
ELBİR A., Aydın N.  
ELECTRONICS LETTERS, vol.56, no.12, pp.627-629, 2020 (SCI-Expanded)
- III. **The implementation of optimization methods for contrast enhancement**  
Elbir A., İlhan H. O., Aydın N.  
COMPUTER SYSTEMS SCIENCE AND ENGINEERING, vol.34, no.2, pp.101-107, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Churn Analizinde Sınıflama ve Kümeleme Tekniklerinin Uygulanması**  
ELBİR A., İLHAN H. O.  
Akıllı Sistemler ve Uygulamaları Dergisi, vol.1, pp.239-242, 2018 (Peer-Reviewed Journal)
- II. **Blind Audio Source Separation Using Independent Component Analysis and Independent Vector Analysis**  
ELBİR A.  
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS, ELECTRONICS AND COMPUTERS, vol.4, pp.174-177, 2016 (Peer-Reviewed Journal)
- III. **Gezgin Satıcı Probleminin Karınca Kolonisi ve Genetik Algoritmalarla Eniyilemesi ve Karşılaştırılması**  
ELBİR A.  
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.18, no.1, pp.8-13, 2014 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Emboli Detection by machine learning algorithms using multi-level feature extraction**  
Lone A. W., ELBİR A., Aydın N.  
8th IEEE International Conference on Image and Signal Processing and their Applications, ISPA 2024, Biskra, Algeria, 21 - 22 April 2024
- II. **Akciğer Hastalıklarının Radyografi Görüntülerinden Derin Öğrenme Yöntemleriyle Tahmin**  
Porsuk O., Elbir A., Diri B.  
2022 Innovations in Intelligent Systems and Applications Conference (ASYU), Antalya, Turkey, 07 September 2022
- III. **Sentiment Analysis for Hotel Attributes from Online Reviews**  
Demir Y. E., Durmaz S., ELBİR A., Sığircı O., DİRİ B.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, İstanbul, Turkey, 15 - 17 October 2020
- IV. **Music Genre Classification and Recommendation by Using Machine Learning Techniques**  
ELBİR A., Bilal Çam H., Emre İyican M., Öztürk B., AYDIN N.  
2018 Innovations in Intelligent Systems and Applications Conference, ASYU 2018, Adana, Turkey, 4 - 06 October 2018
- V. **Estimating the School Dropout Trend by Using Data Mining Methods Veri Madenciliği Yöntemleri Kullanarak Okul Bırakma Eğiliminin Tahmin Edilmesi**  
ELBİR A., Gündüz E., DİRİ B.  
2018 Innovations in Intelligent Systems and Applications Conference, ASYU 2018, Adana, Turkey, 4 - 06 October 2018
- VI. **Veri Madenciliği Yöntemleri Kullanarak Okul Bırakma Eğiliminin Tahmin Edilmesi**  
ELBİR A., DİRİ B.  
Akıllı Sistemlerde Yenilikler Ve Uygulamaları Konferansı 2018, Adana, Turkey, 04 October 2018, pp.1-4
- VII. **Music Genre Classification and Recommendation by Using Machine Learning and Deep Learning**  
ELBİR A., AYDIN N.  
Akıllı Sistemlerde Yenilikler Ve Uygulamaları Konferansı 2018, Adana, Turkey, 04 October 2018, pp.1-5

- VIII. **Short Time Fourier Transform based music genre classification**  
ELBİR A., İLHAN H. O., SERBES G., AYDIN N.  
2018 Electric Electronics, Computer Science, Biomedical Engineerings'xx Meeting (EBBT), İstanbul, Turkey, 18 - 19 April 2018
- IX. **The performance evaluation of the Cat and Particle Swarm Optimization Techniques in the image enhancement**  
Çam H. B., Akçakoca S., ELBİR A., İLHAN H. O., AYDIN N.  
2018 Electric Electronics, Computer Science, Biomedical Engineerings'xx Meeting (EBBT), İstanbul, Turkey, 18 - 19 April 2018
- X. **Churn Analizinde Sınıflama ve Kümeleme Tekniklerinin Uygulanması**  
ELBİR A., İLHAN H. O.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, Antalya, Turkey, 05 October 2017, pp.1-5
- XI. **Detection and estimation of down syndrome genes by machine learning techniques Down Sendromlu Genlerin Makine Öğrenmesi Teknikleri ile Tespiti ve Tahmini**  
Celik E., İLHAN H. O., ELBİR A.  
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017
- XII. **Parçacık Sürü Optimizasyonu Yöntemi ile Görüntü İyileştirme. Parçacık Sürü Optimizasyonu Yöntemi ile Görüntü İyileştirme**  
ELBİR A.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları (ASYU), Düzce, Turkey, 29 September 2016, pp.300-304
- XIII. **The evaluation of detectors and descriptors on determination of semen cell**  
İLHAN H. O., ELBİR A.  
2016 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2016, Sinaia, Romania, 2 - 05 August 2016

## Metrics

Publication: 20  
Citation (WoS): 6  
Citation (Scopus): 79  
H-Index (WoS): 3  
H-Index (Scopus): 5