

## 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

#### Postgraduate

WEB PROGRAMMING, Postgraduate, 2024 - 2025, 2022 - 2023

Research Methods and Scientific Ethics, Postgraduate, 2024 - 2025, 2022 - 2023

#### Undergraduate

OPERATING SYSTEMS, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Sayısal Analiz, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

AYRIK MATEMATİK, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

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

Bilgisayar Mühendisleri için Sinyaller ve Sistemler, Undergraduate, 2023 - 2024, 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

### Supervised Theses

Diri B., ELBİR A., Makine Öğrenmesi Yöntemleri ile Kripto Paraların Gelecekteki Tahmini, Postgraduate, E.Dilasa(Student), 2024

Aydın N., Elbir A., MAKİNE ÖĞRENMESİ KULLANAN BİREYSEL GELİR TAHMİN MODELİ, Postgraduate, M.ENES(Student), 2024

Aydın N., Elbir A., Müzik türü sınıflandırma, Postgraduate, Y.ATAHAN(Student), 2022

## 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. **A comprehensive review on cerebral emboli detection algorithms**  
Lone A. W., Elbir A., Aydın N.  
WFUMB Ultrasound Open, vol.2, no.1, pp.1-16, 2024 (Peer-Reviewed Journal)
- II. **Aspect Based Opinion Mining on Hotel Reviews**  
Demir Y. E., Durmaz S., Elbir A., Sığircı İ. O., Diri B.  
International journal of advances in engineering and pure sciences (Online), vol.33, pp.28-34, 2021 (Peer-Reviewed Journal)
- III. **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)
- IV. **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)
- V. **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)

## Papers Published in Refereed Scientific Meetings

- I. **Prediction of Cryptocurrencies Using Machine Learning Methods**  
Kurt E. D., Elbir A., Diri B.  
YTU Graduate School of Science and Engineering GradColloquium 2024 - Artificial Intelligence, İstanbul, Turkey, 04 June 2024, pp.50-51
- II. **An Ensemble Approach for Semi-Supervised Self Learning Algorithm**  
Akdiş M., Elbir A., Diri B.  
2024 Innovations in Intelligent Systems and Applications Conference (ASYU), Ankara, Turkey, 16 - 18 October

2024, pp.1-6

- III. **Emboli Detection by machine learning algorithms using multi-level feature extraction**  
Lone A. W., Elbir A., Aydın N.  
8th IEEE International Conference on Image and Signal Processing and their Applications, ISPA 2024, Biskra, Algeria, 21 - 22 April 2024
- IV. **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
- V. **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
- VI. **Estimating the School Dropout Trend by Using Data Mining Methods Veri Madenciliği Yöntemleri Kullanarak Okul Bırakma Eğiliminin Tahmin Edilmesi**  
Elbir A., Gündüz E., Diri B.  
2018 Innovations in Intelligent Systems and Applications Conference, ASYU 2018, Adana, Turkey, 4 - 06 October 2018
- VII. **Music Genre Classification and Recommendation by Using Machine Learning Techniques**  
Elbir A., Bilal Çam H., Emre Iyican M., Öztürk B., Aydın N.  
2018 Innovations in Intelligent Systems and Applications Conference, ASYU 2018, Adana, Turkey, 4 - 06 October 2018
- VIII. **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
- IX. **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
- X. **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
- XI. **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), Istanbul, Turkey, 18 - 19 April 2018
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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

## **Peer Reviews in Scientific Publications**

Gazi University Journal of Science Part A: Engineering and Innovation, National Scientific Refreed Journal, December 2024

Balkan Journal of Electrical and Computer Engineering, National Scientific Refreed Journal, November 2024

Bilgisayar Bilimleri ve Mühendisliği Dergisi, National Scientific Refreed Journal, October 2024

IEEE TRANSACTIONS ON MULTIMEDIA, SCI Journal, December 2023

ENTERTAINMENT COMPUTING, SCI Journal, January 2023

Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, National Scientific Refreed Journal, March 2022

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, National Scientific Refreed Journal, January 2022

## **Metrics**

Publication: 23

Citation (WoS): 6

Citation (Scopus): 89

H-Index (WoS): 3

H-Index (Scopus): 5

## **Congress and Symposium Activities**

Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, Attendee, Ankara, Turkey, 2024