

## Res. Asst. Ebru ERDEM

### Personal Information

Web: <https://avesis.atauni.edu.tr/ebruerdem>

### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-9832-2021

Yoksis Researcher ID: 264037

### Education Information

Doctorate, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2019 - Continues

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2015 - 2019

Undergraduate, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2011 - 2015

### Research Areas

Computer Sciences, algorithms, Distributed Systems, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2017 - Continues

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

- I. **A novel bearing fault detection approach using a convolutional neural network**  
Aydin T., Erdem E., Erkayman B., Kocadağistan M. E., Teker T.  
MATERIALS TESTING, vol.66, no.4, pp.478-492, 2024 (SCI-Expanded)
- II. **Novel Deep Hybrid and Ensemble Algorithms for Improving GPS Navigation Positioning Accuracy**  
Aydin T., Erdem E.  
IEEE ACCESS, vol.11, pp.53518-53530, 2023 (SCI-Expanded)
- III. **New Artificial intelligence approaches for brand switching decisions**  
Erkayman B., Erkayman B., Erdem E., Aydin T., Mahmat Z.  
ALEXANDRIA ENGINEERING JOURNAL, vol.63, pp.625-643, 2023 (SCI-Expanded)
- IV. **Flight scheduling incorporating bad weather conditions through big data analytics: A comparison of metaheuristics**  
Erdem E., Aydin T., Erkayman B.  
EXPERT SYSTEMS, vol.38, no.8, 2021 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Deep hybrid models for CT images to detect COVID-19: A comparison of transfer learning approach**

- Erdem E., Aydın T.  
Journal of Soft Computing and Artificial Intelligence, vol.2, no.2, pp.56-68, 2021 (Peer-Reviewed Journal)
- II. **A CNN-based hybrid model to detect Coronavirus disease**  
ERDEM E., AYDIN T.  
European Journal of Science and Technology, no.27, pp.66-73, 2021 (Peer-Reviewed Journal)
- III. **Detection of Pneumonia with a Novel CNN-based Approach**  
Erdem E., Aydın T.  
Sakarya University Journal of Computer and Information Sciences, vol.4, no.1, pp.26-34, 2021 (Peer-Reviewed Journal)
- IV. **A comparison of various supervised machine learning techniques for prostate cancer prediction**  
ERDEM E., BOZKURT F.  
European Journal of Science and Technology, no.21, pp.610-620, 2021 (Peer-Reviewed Journal)
- V. **Göğüs Kanseri Histopatolojik Görüntü Sınıflandırması**  
Erdem E., Aydın T.  
Bilişim Teknolojileri Dergisi, vol.14, no.1, pp.87-94, 2021 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **RENK KÖRLÜĞÜ YAŞAYAN KİŞİLER İÇİN GİYSİ RENK UYUMU DEĞERLENDİRMESİ YAPAN YAPAY ZEKÂ DESTEKLİ UYGULAMA**  
Dadaşoğlu M. A., Özdemir M. E., Aydın T., Erdem E.  
AKDENİZ 12th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Girne, Cyprus (Kkct), 6 - 08 September 2024, pp.8-9
- II. **ARTIFICIAL INTELLIGENCE-SUPPORTED SYSTEM THAT ANALYZES THE GENERAL HEALTH STATUS OF ANIMALS THOUGHT TO BE SICK**  
Çamur E., Aydın T., Erdem E.  
KARADENİZ 16th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Bartın, Turkey, 16 - 18 August 2024, pp.45-46
- III. **Orman Yangın Tespit ve Müdahale Süreçlerinde Etkinliğin Artırılması**  
KAYIRAN Y., KARAOĞLU A., ERTAŞ E., AYDIN T., ERDEM E.  
EGE 11TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, 1 - 03 June 2024
- IV. **İşaret Dili Mobil Uygulaması: Engellilerin Sosyal Hayatta Etkin İletişimi**  
KÜÇÜKPEHLİVAN S., AYDIN T., ERDEM E.  
EGE 11TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, 1 - 03 June 2024
- V. **Mineral ve Maden Tanıma Sistemi Üzerine Derin Öğrenme Tabanlı Yaklaşımlar**  
AYDIN F., AL-HAMIDI M., AYDIN T., ERDEM E.  
ABANT 3. Uluslararası Güncel Akademik Çalışmalar Sempozyumu, 17 - 19 May 2024
- VI. **Artificial Neural Network-Based Approaches to Improve Classification of Skin Lesions**  
ERDEM E., AYDIN T.  
2023 Medical Technologies Congress (TIPTEKNO) , Gazimagusa, Cyprus (Kkct), 10 - 12 November 2023, pp.1-4
- VII. **COVIDSepNet for AUTOMATIC DETECTION of COVID-19**  
ERDEM E., AYDIN T., ERKAYMAN B.  
ISARC 3. ULUSLARARASI TRAKYA BİLİMSEL ARAŞTIRMALAR KONGRESİ, 25 - 26 November 2023, pp.255-269

### Supported Projects

- Durdağ O., Kılıç A., Dinç B., Erdem E., Kılıç R., Project Supported by Higher Education Institutions, Depremzedelere Destek, 2023 - 2023
- Kılıç R., Dinç B., Erdem E., Kılıç A., Durdağ O., Social Support Program Projects, Soğukta Yanınızdayız, 2023 - 2023

Dinç B., Kılıç R., Erdem E., Kılıç A., Durdağ O., Social Support Program Projects, Minicik Bedenlere Anne Eli Değmeli, 2023 - 2023

Erdem E., Kılıç R., Dinç B., Kılıç A., Durdağ O., Social Support Program Projects, We're Here to Warm You Up Even in Cold Weather Conditions, 2023 - 2023

## **Tasks In Event Organizations**

Keskenler M. F., Çelik E., Bozkurt F., Kılıç R., Erdem E., Dinç B., Albayrak Ünal Ö., Kılıç R., 16. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS), Scientific Congress, Erzurum, Turkey, Mart 2023

## **Metrics**

Publication: 16

Citation (WoS): 6

Citation (Scopus): 10

H-Index (WoS): 2

H-Index (Scopus): 2