

## Asst. Prof. YILDIZ AYDIN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2016 - 2020

Postgraduate, Ataturk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2013 - 2016

### Dissertations

Postgraduate, DENGESİZ VERİ SETLERİNDE TRAFİK İŞARETLERİNİ TANIMA, Atatürk Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bilim Dalı, 2016

### Research Areas

Computer Sciences, Computer Vision, Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Erzincan Binali Yildirim University, Rektörlük, 2011 - Continues

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

- I. **Comparison of color features on copy-move forgery detection problem using HSV color space**  
Aydin Y.  
Australian Journal of Forensic Sciences, vol.56, no.3, pp.294-310, 2024 (SCI-Expanded)
- II. **Automated identification of copy-move forgery using Hessian and patch feature extraction techniques**  
AYDIN Y.  
Journal of Forensic Sciences, vol.69, no.1, pp.131-138, 2024 (SCI-Expanded)
- III. **A Comparative Analysis of Skin Cancer Detection Applications Using Histogram-Based Local Descriptors**  
AYDIN Y.  
Diagnostics, vol.13, no.19, 2023 (SCI-Expanded)
- IV. **A new Copy-Move forgery detection method using LIOP**  
AYDIN Y.  
Journal of Visual Communication and Image Representation, vol.89, 2022 (SCI-Expanded)

**V. Blotch Detection in Archive Films Based on Visual Saliency Map**

AYDIN Y., DİZDAROĞLU B.

COMPLEXITY, vol.2020, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Sentiment Analyzing from Tweet Data's Using Bag of Words and Word2Vec**  
AYDIN Y.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.12, no.2, pp.412-417, 2023 (Peer-Reviewed Journal)
- II. **OBJECT RECOGNITION WITH DEEP LEARNING AND MACHINE LEARNING METHODS**  
Akgül İ., Aydın Y.  
Technological Applied Sciences, vol.17, no.4, pp.54-61, 2022 (Peer-Reviewed Journal)
- III. **Copy move forgery detection with SURF and MSER combination**  
Aydın Y., Akar F.  
ENGINEERING SCIENCES, vol.11, no.3, pp.513-521, 2022 (Peer-Reviewed Journal)
- IV. **Using Local Features in Face Recognition Systems**  
AYDIN Y., AKAR F.  
JOURNAL OF INTELLIGENT SYSTEMS WITH APPLICATIONS, vol.1, no.2, pp.131-134, 2018 (Peer-Reviewed Journal)
- V. **Traffic Sign Recognition System for Imbalanced Dataset**  
AYDIN Y., Özdemir D., TÜMÜKLÜ ÖZYER G.  
JOURNAL OF COMPUTERS, vol. Volume 12, pp.543-549, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Deep Learning Approaches For Accurate And Efficient Classification Of Eye Diseases**  
Orman K., Aydın Y.  
in: Practical Artificial Intelligence Applications 2, GÜLBANDILAR EYYÜP, Editor, BİDGE Yayınları, Ankara, pp.39-48, 2024
- II. **IDENTIFICATION BRAIN TUMOR FROM MR IMAGES**  
AYDIN Y.  
in: Interdisciplinary Engineering Sciences Concepts, Researches and Applications, Islak Serkan, Editor, Livre de Lyon, pp.127-138, 2022
- III. **KAZE, SURF AND ORB BASED FACE RECOGNITION**  
AYDIN Y.  
in: Research & Reviews in Engineering, Doç. Dr. Vedat Çavuş, Doç. Dr. Selahattin BARDAK, Editor, Gece Kitaplığı, pp.225-236, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **COMPARATIVE ANALYSIS OF DEEP LEARNING METHODS FOR IDENTIFICATION OF HUMAN ACTIVITY**  
AYDIN Y.  
2. Silk Road International Scientific Research Congress, Iğdır, Turkey, 26 - 27 September 2023
- II. **GENDER CLASSIFICATION USING DEEP LEARNING TECHNIQUE FROM TEXT**  
AYDIN Y.  
AICMES 4th INTERNATIONAL CONFERENCE ON CURRENT SCIENTIFIC STUDIES, Girne, Cyprus (Kktc), 8 - 10 September 2023
- III. **DEEP LEARNING BASED IDENTIFICATION OF MUSHROOM TYPES**  
AYDIN Y.

Ases III. International Scientific Research Conference, Trabzon, Turkey, 28 - 29 January 2023

- IV. **RESNET MODELLERİ İLE MİSİR YAPRAKLARINDA HASTALIK TESPİTİ**  
AKAR F., AYDIN Y., BÜLGEN A.  
International Informatics Congress (IIC2022), Batman, Turkey, 17 February 2022, pp.381-391
- V. **Blotch Detection in Archive Films with Rank Ordered Differences Method Based on Visual Saliency Map**  
AYDIN Y., DİZDAROĞLU B.  
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 October 2020
- VI. **Blotch Detection in Archive Films with Rank Ordered Differences Method Based on Visual Saliency Map**  
Aydın Y., Dizdaroğlu B.  
EURASIANSCIENTECH 2020, Gaziantep, Turkey, 7 - 09 October 2020, pp.1-4
- VII. **Blotch Inpainting Based On Sift Feature Extraction in Old Films**  
AYDIN Y., DİZDAROĞLU B.  
11th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Bursa, Turkey, 28 November - 30 December 2019, pp.11-15
- VIII. **Detection of copy move forgery technique based on SIFT and SURF**  
AYDIN Y., TAHAOĞLU G., ULUTAŞ G.  
26th Signal Processing and Communications Applications Conference (SIU 2018), İzmir, Turkey, 2 - 05 May 2018
- IX. **Image Inpainting with Local Feature Extraction**  
AYDIN Y., DİZDAROĞLU B.  
26th Signal Processing and Communications Applications Conference (SIU 2018), İzmir, Turkey, 2 - 05 May 2018
- X. **SIFT ve SURF Tabanlı Sayısal Görüntü Sahteciliği Tespiti Yöntemi**  
AYDIN Y., MUZAFFER G., ULUTAŞ G.  
SIU 2018 IEEE 26. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XI. **YEREL ÖZNETELİK ÇIKARIMI İLE GÖRÜNTÜ İÇBOYAMA**  
AYDIN Y., DİZDAROĞLU B.  
SIU 2018 IEEE 26. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XII. **Comparison of Interest Point-Based Features in Object Recognition Applications**  
AKAR F., AYDIN Y.  
8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM (IATS'xx17), Elazığ, Turkey, 19 - 22 October 2017, pp.3553-3556
- XIII. **Yüz Tanma Sistemlerinde Yerel Özniteliklerin Kullanılması**  
AYDIN Y., AKAR F.  
Akıl Sistemlerinde Yenilikler ve Uygulamalar 2017 (ASYU-2017) Konferansı, Antalya, Turkey, 5 - 07 October 2017, pp.54
- XIV. **Yüz Tanıma Sistemlerinde Yerel Özniteliklerin Kullanılması (Using Local Features in Face Recognition Systems)**  
Aydın Y., Akar F.  
Akıllı Sistemlerde Yenilikler ve Uygulamalar (ASYU) Konferansı, Antalya, Turkey, 5 - 07 October 2017, pp.53
- XV. **Yüz Tanıma Sistemlerinde Yerel Özniteliklerin Kullanılması**  
AYDIN Y., AKAR F.  
Akıllı Sistemlerde Yenilikler ve Uygulamalar (ASYU) Konferansı, Antalya, Turkey, 5 - 07 October 2017, pp.64-69
- XVI. **Traffic sign recognition using scale invariant feature transform and bagging based ensemble**  
AYDIN Y., TÜRÜKLÜ ÖZYER G., ÖZDEMİR D.  
2016 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.605-608
- XVII. **Traffic Sign Recognition System For Imbalanced Dataset**  
AYDIN Y., ÖZDEMİR D., TÜRÜKLÜ ÖZYER G.  
International Conference on Computer and Information Technology (ICCIT 2016), İstanbul, Turkey, 11 April 2016

- 12 April 2017, pp.543-549

XVIII. **Ölçeklemeden Bağımsız Öznitelik Dönüşümü Ve Torbalama Temelli Ensemble Kullanarak Trafik İşaretlerinin Tanınması**

AYDIN Y., TÖMÜKLÜ ÖZYER G., ÖZDEMİR D.

24. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 16 - 19 May 2016

## **Metrics**

Publication: 32

Citation (Scopus): 5

H-Index (Scopus): 2