

Res. Asst. FATMA NUR ORTATAŞ

Personal Information

Office Phone: [+90 354 242 1001](tel:+903542421001) Extension: 1919

Email: f.nur.ortatas@bozok.edu.tr

Web: <https://avesis.bozok.edu.tr/1914>

Address: f.nur.ortatas@yobu.edu.tr f.nur.ortatas@bozok.edu.tr

International Researcher IDs

ORCID: 0000-0001-7897-9958

Yoksis Researcher ID: 356894

Education Information

Doctorate, Tokat Gaziosmanpaşa University, Turkey 2023 - Continues

Postgraduate, Yozgat Bozok University, Institute of Postgraduate Education, Elektrik-Elektronik Mühendisliği, Turkey 2020 - 2022

Undergraduate, Yozgat Bozok University, Faculty of Engineering-Architecture, Elektrik-Elektronik Mühendisliği, Turkey 2018 - 2020

Associate Degree, Ataturk University, Açıköğretim Fakültesi, İş Sağlığı Ve Güvenliği, Turkey 2017 - 2019

Undergraduate Minor, Erciyes University, Mühendislik Fakültesi, Turkey 2012 - 2014

Undergraduate, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği , Turkey 2009 - 2014

Dissertations

Postgraduate, Otonom araçlarda şerit takip ve kontrol sisteminin makine öğrenmesi kullanılarak geliştirilmesi, Yozgat Bozok University, Institute Of Postgraduate Education, 2022

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Software, Biomedical Image Processing

Published journal articles indexed by SCI, SSCI, and AHCI

- Sugar beet farming goes high-tech: a method for automated weed detection using machine learning and deep learning in precision agriculture**
Ortataş F. N., Ozkaya U., Şahin M. E., Ulutaş H.
Neural Computing and Applications, vol.36, no.9, pp.4603-4622, 2024 (SCI-Expanded)

Articles Published in Other Journals

- A Novel Solution to the Real-Time Lane Detection and Tracking Problem for Autonomous Vehicles by Using Faster R-CNN and Mask R-CNN**

Ortataş F. N., Çetin E.

International Journal of Automotive Science and Technology, vol.9, no.1, pp.71-80, 2025 (Peer-Reviewed Journal)

II. Solution of Real-Time Traffic Signs Detection Problem for Autonomous Vehicles by Using YOLOV4 And Haarcascade Algorithms

Ortataş F. N., Çetin E.

International Journal of Automotive Science and Technology, vol.7, no.2, pp.125-140, 2023 (Scopus)

III. Elektrikli ve Otonom Araçlar için Sürüş Kontrol Kartının Geliştirilmesi

Ortataş F. N., Çetin E., Aydoğan M., Yalçın E.

Bozok Journal of Engineering and Architecture, vol.1, no.2, pp.1-7, 2023 (Peer-Reviewed Journal)

IV. Elektrikli ve Otonom Araçlarda Makine Öğrenmesi Kullanarak Trafik Levhaları Tanıma ve Simülasyon Uygulaması

ORTATAŞ F. N., ÇETİN E.

El-Cezeri Fen ve Mühendislik Dergisi, vol.8, no.3, pp.1081-1092, 2021 (Scopus)

Papers Published in Refereed Scientific Meetings

I. A New Approach to Determine the Milk Lines of Silage Corn Using Image Processing Techniques

Şahin M. E., Ulutaş H., Ortataş F. N.

8. Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2023), Burdur, Turkey, 13 - 15 September 2023

II. A Novel Method of Obstacle Detection Using Stereo Vision for Unmanned Systems

ORTATAŞ F. N., ŞAHİN M. E., ULUTAŞ H., Yakut U., Koç Y.

2023 11th International Scientific Conference COMPUTER SCIENCE, Sofya, Bulgaria, 18 - 20 September 2023

III. Performance Evaluation of YOLOv5, YOLOv7, and YOLOv8 Models in Traffic Sign Detection

Ortataş F. N., Kaya M.

2023 8th International Conference on Computer Science and Engineering (UBMK), Burdur, Turkey, 13 - 15 September 2023, pp.151-156

IV. REAL-TIME TRAFFIC SIGN DETECTION WITH YOLOV6 MODEL

Şahin M. E., Ortataş F. N.

5. International Anatolian Scientific Research Congress, Hakkari, Turkey, 21 - 23 July 2023, pp.1001-1010

V. Autonomous Mapping and Spraying in Precision Agriculture using Unmanned Ground Vehicles

Ortataş F. N., Ulutaş H., Şahin M. E., Ciftci F.

2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023

VI. Lane Tracking with Deep Learning: Mask RCNN and Faster RCNN

ORTATAŞ F. N., ÇETİN E.

2022 Innovations in Intelligent Systems and Applications Conference, ASYU 2022, Antalya, Turkey, 7 - 09 September 2022

Supported Projects

ÇETİN E., ORTATAŞ F. N., Project Supported by Higher Education Institutions, Yapay Zeka Destekli Elektrikli ve Otonom Araç Sistemlerin Geliştirilmesi ve Deneysel Olarak Test Edilmesi, 2022 - 2023

Metrics

Publication: 11

Citation (Scopus): 30

H-Index (Scopus): 4

Scholarships

2210C- Öncelikli alanlar, TUBITAK, 2021 - 2022

Awards

Ortataş F. N., Mansiyon ödülü, Anadolu Üniversiteler Birliği, May 2022