

Asst. Prof. EMİNE EŞ YÜREK

Personal Information

Office Phone: [+90 224 294 2094](tel:+902242942094)

Email: esyurek@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/esyurek>

International Researcher IDs

ScholarID: 914K9IQAAAAJ

ORCID: 0000-0002-0871-3385

Publons / Web Of Science ResearcherID: AAG-9204-2021

ScopusID: 57201679910

Yoksis Researcher ID: 196917

Education

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Turkey 2012 - 2018

Postgraduate, Bogazici University, Institute Of Science, Endüstri Mühendisliği (Yl) (Tezli), Turkey 2004 - 2007

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Endüstri Mühendisliği Bölümü, Turkey 2000 - 2004

Dissertations

Doctorate, İnsansız hava aracı destekli araç rotalama problemi, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği, 2018

Postgraduate, Analysis of a supply chain under advance demand information, Bogazici University, Institute Of Science, Endüstri Mühendisliği, 2007

Research Areas

Industrial Engineering, Optimization Theory and Methods, Supply Chain and Logistics Management, Engineering and Technology

Academic Positions

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2024 - Continues

Research Assistant PhD, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2018 - 2024

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ, 2013 - 2018

Courses

Undergraduate

Special Topics in Vehicle Routing, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Introduction to Mathematical Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Toplam Kalite Yönetimi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Endüstri Mühendisliği Projesi, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Endüstri Mühendisliği Semineri, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Yönetim ve Organizasyon, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Bitirme Projesi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Probability with Applications, Undergraduate, 2023 - 2024, 2022 - 2023

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Combinatorial Benders decomposition for the operational aircraft maintenance routing problem**
Es Yurek E.
COMPUTERS & OPERATIONS RESEARCH, vol.164, pp.106545-106563, 2024 (SCI-Expanded)
- II. **Impact of Drone Battery Recharging Policy on Overall Carbon Emissions: The Traveling Salesman Problem with Drone**
EŞ YÜREK E.
DRONES, vol.8, no.3, 2024 (SCI-Expanded)
- III. **Traveling salesman problem with drone under recharging policy**
EŞ YÜREK E., Ozmutlu H. C.
COMPUTER COMMUNICATIONS, vol.179, pp.35-49, 2021 (SCI-Expanded)
- IV. **A decomposition-based iterative optimization algorithm for traveling salesman problem with drone**
Eş Yürek E., Özmutlu H. C.
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, vol.91, pp.249-262, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **An application of value stream mapping technique in automotive industry**
Yurtseven Ç., Aydın D., Ekici M., Aktepe S., Eş Yürek E., Orbak A. Y.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.29, no.1, pp.19-36, 2024 (Peer-Reviewed Journal)
- II. **Kumaş Boyama Sürecinde Bulanık TOPSIS ile Hata Türü ve Etkileri Analizi**
Eş Yürek E.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.28, no.3, pp.915-926, 2023 (Peer-Reviewed Journal)
- III. **Parça Iskartalarının Makine Öğrenmesi Kullanılarak Azaltılması: Otomotiv Sektöründe Bir Uygulama**
Eş Yürek E., Yağmahan B., Akyüz B. C., Samast E. S., Çetrez N. D.
Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.27, no.1, pp.291-308, 2022 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Digitalization of Indirect Procurement Process**
Dürgeci M. E., Çökerim S., Yaşar Y., Ene Yalçın S., Eş Yürek E.
International Logistics and Supply Chain Congress, İstanbul, Turkey, 17 - 18 October 2024, pp.94, (Summary Text)
- II. **A MATHEMATICAL MODEL FOR ASSEMBLY LINE PART FEEDING PROBLEM**
Eş Yürek E.
7. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 27 - 28 January 2024, pp.1, (Summary Text)

- III. **A VARIABLE NEIGHBORHOOD SEARCH ALGORITHM FOR THE TRAVELING SALESMAN PROBLEM WITH DRONE**
Eş Yürek E.
5. INTERNATIONAL MEDITERRANEAN CONGRESS, Mersin, Turkey, 13 - 14 January 2024, pp.1386, (Summary Text)
- IV. **Parallel Drone Scheduling Traveling Salesman Problem with Pickup and Delivery**
Eş Yürek E.
3rd International Conference on Scientific and Academic Research, Konya, Turkey, 25 - 26 December 2023, pp.312
- V. **Drone Routing Problem for Monitoring**
Eş Yürek E.
21th International Logistics and Supply Chain Congress, Gaziantep, Turkey, 19 - 20 October 2023, pp.25
- VI. **A Simulated Annealing Algorithm for the Traveling Salesman Problem with Drone under Recharging Policy**
Eş Yürek E.
19th International Logistics and Supply Chain Congress (LMSCM2021), Gaziantep, Turkey, 21 - 22 October 2021
- VII. **Machine Learning Application for Scrap Prediction in Grinding Process**
Akyüz B. C., Samast E. S., Çetrez N. D., Eş Yürek E., Yağmahan B.
International Conference on Interdisciplinary Applications of Artificial Intelligence (ICIDAAI 2021), Yalova, Turkey, 21 - 23 May 2021, (Summary Text)
- VIII. **Traveling Salesman Problem with multi-Drones**
EŞ YÜREK E., ÖZMUTLU H. C.
EURO 2018, Valensiya, Spain, 8 - 11 July 2018, (Summary Text)
- IX. **İHA Destekli Gezgin Satıcı Problemi**
EŞ YÜREK E., ÖZMUTLU H. C.
38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi, Eskişehir, Turkey, 26 - 29 June 2018
- X. **ANALYSIS OF TRAVELING SALESMAN PROBLEM WITH DRONES UNDER VARYING DRONE SPEED**
EŞ YÜREK E., ÖZMUTLU H. C.
The 15th International Logistics and Supply Chain Congress (LMSCM), İstanbul, Turkey, 19 - 20 October 2017
- XI. **An iterative optimization approach for drone supported travelling salesman problem**
EŞ YÜREK E., ÖZMUTLU H. C.
Optimization 2017, Lizbon, Portugal, 6 - 08 September 2017, (Summary Text)

Activities in Scientific Journals

Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, Assistant Editor/Section Editor, 2019 - Continues

Peer Reviews in Scientific Publications

TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, February 2025
TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, February 2025
Verimlilik Dergisi, National Scientific Refreed Journal, November 2024
TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, October 2024
TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, September 2024
TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, March 2024
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, February 2024
Operations Research Forum, Other Indexed Journal, November 2023
TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, August 2023
COMPUTERS & OPERATIONS RESEARCH, Journal Indexed in SCI-E, April 2023
TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, March 2023

ANNALS OF OPERATIONS RESEARCH, SCI Journal, August 2022

ULUDAĞ ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, April 2020

TRANSPORTATION RESEARCH PART B-METHODOLOGICAL, Journal Indexed in SCI-E, April 2020

TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, March 2019

TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, Journal Indexed in SCI-E, October 2018

Metrics

Publication: 18

Citation (WoS): 188

Citation (Scopus): 227

H-Index (WoS): 3

H-Index (Scopus): 3

Scholarships

Yurtiçi Doktora Bursu, TUBITAK, 2013 - 2016