

## Res. Asst. PhD EMİNE EŞ YÜREK

### Personal Information

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### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, 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 Bilimleri Enstitüsü, 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 Titles / Tasks

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

Research Assistant, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2013 - 2018

### Courses

Introduction to Mathematical Programming, Undergraduate, 2021 - 2022

Special Topics in Vehicle Routing, Undergraduate, 2021 - 2022

Yönetim ve Organizasyon, Undergraduate, 2020 - 2021

Toplam Kalite Yönetimi, Undergraduate, 2018 - 2019

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

#### I. Traveling salesman problem with drone under recharging policy

Eş Yürek E., Özmutlu H. C.

Computer Communications, vol.179, pp.35-49, 2021 (Journal Indexed in SCI Expanded)

- II. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (National Refreed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **Traveling Salesman Problem with multi-Drones**  
EŞ YÜREK E., ÖZMUTLU H. C.  
EURO 2018, Valensiya, Spain, 8 - 11 July 2018
- IV. **İHA Destekli Gezgin Satıcı Problemi**  
EŞ YÜREK E., ÖZMUTLU H. C.  
38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi, Eskişehir, Turkey, 26 - 29 June 2018
- V. **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
- VI. **An iterative optimization approach for drone supported travelling salesman problem**  
EŞ YÜREK E., ÖZMUTLU H. C.  
Optimization 2017, Lizbon, Portugal, 6 - 08 September 2017

## Activities in Scientific Journals

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

## Scientific Refereeing

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

## Citations

Total Citations (WOS):40

h-index (WOS):1

## Scholarships

Yurtiçi Doktora Bursu, TUBITAK, 2013 - 2016

## Awards

Yağmahan B., Eş Yürek E., TÜBİTAK 2242 (TEKNOFEST) Üniversite Öğrencileri Araştırma Proje Yarışmasında İstanbul

Asya Bölge üçüncülüğü Proje Danışmanlığı ödülü (2020), Tübitak, September 2020

Eş Yürek E., Uluslararası Bilimsel Yayın Teşviği, Tübitak, February 2019