

## Res. Asst. Eyüp Ensar IŞIK

### Personal Information

**Office Phone:** [+90 212](tel:+90212)

**Email:** [eeisik@yildiz.edu.tr](mailto:eeisik@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/eeisik>

### International Researcher IDs

ScholarID: maICCAoAAAAJ

ORCID: 0000-0002-9180-0243

Publons / Web Of Science ResearcherID: ADT-4817-2022

ScopusID: 58159367600

Yoksis Researcher ID: 328307

### Biography

Office Hours for 2023-2024 Spring Term:

- I. MONDAY 13:00 - 16:00
- II. TUESDAY 09:00 - 12:00

To meet outside office hours, please make an appointment by sending an e-mail ([eeisik@yildiz.edu.tr](mailto:eeisik@yildiz.edu.tr)).

### Education Information

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Department Of Industrial Engineering, Turkey 2019 - 2021

Undergraduate, Dokuz Eylul University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2013 - 2019

### Dissertations

Postgraduate, Optimizing the COVID-19 Cold Chain Vaccine Distribution Network with Medical Waste Management: A Robust Optimization Approach, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Department of Industrial Engineering, 2021

### Research Areas

Industrial Engineering, Optimization Theory and Methods, Linear Programming, Heuristic Methods, Integer and Mixed Integer Programming, Production Planning and Control, Scheduling, Decision Theory, Multi Criteria Decision Making, Supply Chain and Logistics Management, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, 2020 - Continues

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

- I. **Integer and constraint programming models for the straight and U-shaped assembly line balancing with hierarchical worker assignment problem**  
IŞIK E. E., YILDIZ Ş. A.  
International Journal of Production Research, vol.62, no.14, pp.5269-5292, 2024 (SCI-Expanded)
- II. **Optimizing the COVID-19 cold chain vaccine distribution network with medical waste management: A robust optimization approach**  
Ensar Işık E. E., Topaloglu Yıldız S.  
Expert Systems with Applications, vol.229, 2023 (SCI-Expanded)
- III. **Constraint programming models for the hybrid flow shop scheduling problem and its extensions**  
Işık E. E., Yıldız Ş. A., Şatır Ö.  
SOFT COMPUTING, vol.2023, pp.1-28, 2023 (SCI-Expanded)
- IV. **A Hyper-Personalized Product Recommendation System Focused on Customer Segmentation: An Application in the Fashion Retail Industry**  
Yıldız E., Şen C., Işık E. E.  
JOURNAL OF THEORETICAL AND APPLIED ELECTRONIC COMMERCE RESEARCH, vol.18, no.1, pp.571-596, 2023 (SSCI)

## Articles Published in Other Journals

- I. **A Comparative Study on Customer Churn Analysis Using Machine Learning and Data Enrichment Techniques**  
Karaarslan H., Baştuğ M., Şen C. G., Işık E. E.  
Journal of Soft Computing and Decision Analytics, vol.2, no.1, pp.225-235, 2024 (Peer-Reviewed Journal)
- II. **A constraint programming approach for multi-objective tourist trip design problem with mandatory visits: A case study for İzmir Turkey**  
Işık E. E., Ayyıldız E., Taşkın A.  
JOURNAL OF PROJECT MANAGEMENT, vol.9, no.1, pp.61-72, 2024 (ESCI)
- III. **Maximizing Total Net Profit for Traveling Salesman Problem with Profits Using Metaheuristic Algorithms**  
Işık E. E., Şimşir M.  
The European Journal of Research and Development, vol.3, no.1, pp.46-59, 2023 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Öbek Büyüklüğü Belirleme ve Çizelgeleme Problemi İçin Yeni Kesin Çözüm Yöntemleri**  
Işık E. E., Taşkın Z. C., Ağralı S.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October 2024, pp.136
- II. **Optimizing Supervisor Assignment: A Mathematical Modeling Approach For A Real-World Application**  
Geçici E., Işık E. E., Güneş M., Şimşir M.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October 2024, pp.139
- III. **Analysis Of Artificial Intelligence Methods In Classifying Heart Attack Risk: Black-box Models Vs. Glass-box Models**  
Geçici E., Işık E. E., Şimşir M., Güneş M.  
5th International Congress of Applied Statistics (UYİK-2024), İstanbul, Turkey, 21 - 23 May 2024, pp.98
- IV. **Explainable Artificial Intelligence Applications in Predicting Injury Risks of Athletes**

Işık E. E., Şahin G., Soydan M.

V. Uluslararası Uygulamalı İstatistik Kongresi (UYIK - 2024) İstanbul / Türkiye, 21-23 Mayıs 2024, İstanbul, Turkey, 21 - 23 May 2024, pp.270-280

**V. Vaccination Rate Vs. Development Level Of The Countries: A Machine Learning Application**

Işık E. E., Şimşir M., Geçici E., Güneş M.

42. Yöneylem Araştırması ve Endüstri Mühendisliği (YA-EM) Kongresi, Gaziantep, Turkey, 1 - 03 November 2023, pp.186-187

**VI. Comparison of Various Fuzzy Mathematical Programming Approaches for a Parallel-Machine Scheduling Problem**

Işık E. E.

3rd International Symposium of Scientific Research and Innovative Studies (ISSRIS'23), Balıkesir, Turkey, 15 March 2023, pp.722-723

**VII. Optimal Dartboard Design with Simulated Annealing**

IŞIK E. E.

II. International Joint Conference on Engineering, Science and Artificial Intelligence (IJCESAI 2022), Bursa, Turkey, 02 December 2022, vol.1, pp.13-20

**VIII. Optimizing the COVID-19 Cold Chain Vaccine Distribution Network with Medical Waste Management**

Işık E. E., Yıldız Ş. A.

40. YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ KONGRESİ, İstanbul, Turkey, 4 - 07 July 2021, pp.111

**IX. Zaman Pencereyi Oryantiring Problemi için Kısıt Programlama Yaklaşımı**

Işık E. E., Ayyıldız E., Taşkın Gümüş A.

IES'20 International Engineering Symposium | Engineering Applications in Industry, İzmir, Turkey, 05 December 2020, pp.411-418

## Metrics

Publication: 17

Citation (Scopus): 42

H-Index (Scopus): 2