

Res. Asst. Mısra ŞİMŞİR

Personal Information

Email: msimsir@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/msimsir>

International Researcher IDs

ORCID: 0009-0007-0907-3862

Yoksis Researcher ID: 338225

Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, Turkey
2024 - Continues

Postgraduate, Bogazici University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2020 - 2024

Undergraduate, Istanbul Bilgi University, Faculty Of Engineering And Natural Sciences, Department Of Industrial
Engineering, Turkey 2015 - 2020

Research Areas

Industrial Engineering, Optimization Theory and Methods, Multiobjective Optimization, Nonlinear Programming, Linear
Programming, Heuristic Methods, Integer and Mixed Integer Programming

Articles Published in Other Journals

- User-based relocation strategy for free floating car-sharing system: An Istanbul case**
Şimşir M., Yıldırım U. M., Şen D.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK
BILIMLERI DERGISI, vol.30, no.7, pp.934-943, 2024 (Peer-Reviewed Journal)
- 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.
International journal of advances in engineering and pure sciences (Online), vol.37, no.UYIK 2024 Special Issue,
pp.65-76, 2024 (Peer-Reviewed Journal)
- 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

- Lojistik Sektöründe Makine Öğrenmesi Yöntemleriyle Yük Tahmini**
Şimşir M., Şen D., Yıldırım U. M., Özkır V.
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October
2024, pp.128

- 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. **İnsani Yardım Lojistiğinde İHA'lı Dağıtım Araçlarının Rotalanması**
Şimşir M., Özkır V.
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October 2024, pp.109
- IV. **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 (UYIK-2024), İstanbul, Turkey, 21 - 23 May 2024, pp.98
- V. **Air Quality Index Prediction using Machine Learning: A Case study in İstanbul**
Geçici E., Şimşir M.
4th International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 13 - 16 March 2024, pp.223-231
- VI. **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
- VII. **Socio-economic Evaluation of Settlements with Machine Learning Approaches: The Case Study of İstanbul**
Şimşir M., Geçici E.
3rd International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 15 March 2023

Supported Projects

Özkır V., TUBITAK Project, Lojistik Operasyonlarda Ayrı Adreslenen Konteyner Yükleme Ve Rotalama Problemleri İçin Makine Öğrenmeli Bütünleşik Model Ve Çözüm Yöntemlerinin Geliştirilmesi, 2023 - 2026

Scientific Refereeing

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, March 2024

Metrics

Publication: 10