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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-8757-2021

ScopusID: 57933363900

Yoksis Researcher ID: 328433

Education Information

Doctorate, Istanbul Technical University, İşletme, Endüstri Mühendisliği, Turkey 2021 - Continues

Doctorate, University of Florida, Engineering, Industrial and System Engineering, United States Of America 2024 - 2024

Postgraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, Turkey 2018 - 2021

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, Turkey 2014 - 2018

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Designing Just-in-Time Supply Chain Under Uncertainty with Stochastic and Robust Model Suggestions, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, 2021

Research Areas

Stochastic Modeling, Production Planning and Control, Supply Chain and Logistics Management, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2020 - Continues

Researcher, University of Florida, Herbert Wertheim College of Engineering,, Industrial and Systems Engineering, 2024 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comprehensive methodology combining machine learning and unified robust stochastic programming for medical supply chain viability**
Yılmaz Ö. F., Guan Y., Gürsoy Yılmaz B., Yeni F. B., Özçelik G.
OMEGA, no.133, pp.1-28, 2025 (SCI-Expanded)
- II. **Investigating the impact of strategic warehouse design and product clustering on supply chain viability: A unified robust stochastic programming approach**
Yılmaz Ö. F., Gürsoy Yılmaz B., Yeni F. B., Bal A.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, pp.1-48, 2025 (SCI-Expanded)
- III. **Designing a resilient humanitarian supply chain by considering viability under uncertainty: A machine learning embedded approach**
Yılmaz Ö. F., Guan Y., Gürsoy Yılmaz B.
TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, no.194, pp.1-24, 2025 (SCI-Expanded)
- IV. **An optimization model and customized solution approaches for in-plant logistic problem within the context of lean management**
Büyüközkan K., Gürsoy Yılmaz B., Özçelik G., Yılmaz Ö. F.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.200, pp.1-27, 2025 (SCI-Expanded)
- V. **A hybrid risk management framework for resilient medical supply chain design in the post-pandemic era**
Yılmaz Ö. F., Guan Y., Gürsoy Yılmaz B.
JOURNAL OF CLEANER PRODUCTION, no.491, pp.1-21, 2025 (SCI-Expanded)
- VI. **Seru scheduling problem with lot streaming and worker transfers: A multi-objective approach**
Gürsoy Yılmaz B., Yılmaz Ö. F., Akçalı E., Çevikcan E.
COMPUTERS & OPERATIONS RESEARCH, pp.1-20, 2025 (SCI-Expanded)
- VII. **COMPARISON OF LOT STREAMING DIVISION METHODOLOGIES FOR MULTI-OBJECTIVE HYBRID FLOWSHOP SCHEDULING PROBLEM BY CONSIDERING LIMITED WAITING TIME**
GÜRSOY YILMAZ B., YILMAZ Ö. F., YENİ F. B.
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.20, no.11, pp.3373-3414, 2024 (SCI-Expanded)
- VIII. **Lot streaming in workforce scheduling problem for seru production system under Shojinka philosophy**
GÜRSOY YILMAZ B., YILMAZ Ö. F., Çevikcan E.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.185, 2023 (SCI-Expanded)
- IX. **An optimization-based methodology equipped with lean tools to strengthen medical supply chain resilience during a pandemic: A case study from Turkey**
YILMAZ Ö. F., YENİ F. B., GÜRSOY YILMAZ B., ÖZÇELİK G.
TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, vol.173, 2023 (SCI-Expanded)
- X. **Lot streaming in hybrid flowshop scheduling problem by considering equal and consistent sublots under machine capability and limited waiting time constraint**
Gürsoy Yılmaz B., Yılmaz Ö. F.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.173, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Integrated multi-manned disassembly line balancing problem with reverse supply chain design strategies by considering lot sizing**
Öksüz E., Yılmaz Ö. F., Öksüz M. K., Gürsoy Yılmaz B.
JOURNAL OF INDUSTRIAL AND PRODUCTION ENGINEERING, pp.1-25, 2024 (ESCI)
- II. **Achieving tractable and reliable agriculture supply chain operations through Industry 4.0 tools to**

support Lean Six Sigma application

YENİ F. B., GÜRSOY YILMAZ B., KAYHAN B. M., ÖZÇELİK G., YILMAZ Ö. F.

International Journal of Industrial Engineering and Operations Management, 2024 (Peer-Reviewed Journal)

III. Modelling of just-in-time distribution network under raw material quality and time constraints

Gürsoy B., Soner Kara S.

Sigma Journal of Engineering and Natural Sciences, vol.3, no.39, pp.313-321, 2021 (ESCI)

IV. Veri Analizi ve Optimizasyon Yöntemleri Kullanılarak Tam Zamanında Yaklaşımının Ağ Tasarım Modeline Uygulanması

Gürsoy B., Soner Kara S.

Veri Bilimi, vol.4, no.2, pp.40-48, 2021 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. Climate Risk Management for Aquaculture Industry: Robust Programming Approach vs Random Forest Algorithm

Gürsoy Yılmaz B., Yılmaz Ö. F.

Artificial Intelligence: Towards Sustainable Intelligence, Second International Conference, AI4S 2024, Alcala-De-Henares, Spain, 3 - 04 October 2024, pp.127-140

II. Supplier Selection for Agriculture Industry Under Uncertainty: Machine Learning Based Sample Average Approximation Method

Yılmaz Ö. F., Gürsoy Yılmaz B.

Artificial Intelligence: Towards Sustainable Intelligence, Second International Conference, AI4S 2024, Alcala-De-Henares, Spain, 3 - 04 October 2024, pp.184-195

III. Viable Medical Supply Chains: A Comprehensive Literature Review

Gürsoy Yılmaz B., Yılmaz Ö. F.

International Conference on Multidisciplinary Sciences and Technological Developments (ICMUSTED), Erzurum, Turkey, 13 - 15 December 2024, pp.182-188

IV. Robust Optimization Model for Resilient Medical Supply Chain Network Design Under Demand Uncertainty

Yılmaz Ö. F., Gürsoy Yılmaz B.

International Conference on Multidisciplinary Sciences and Technological Developments (ICMUSTED), Erzurum, Turkey, 13 - 15 December 2024, pp.189-196

V. Optimizing Workforce and Sub-Lot Scheduling in Seru Production Systems

Gürsoy Yılmaz B., Çevikcan E., Yılmaz Ö. F.

International Conference on Engineering, Natural Sciences, and Technological Developments (ICENSTED 2024), Balıkesir, Turkey, 19 - 21 July 2024, pp.245-253

VI. Just-in-Time Network Design Model Proposal and Solution Methods Using Data Analysis and Optimization Methods

Gürsoy B., Soner Kara S.

ICONDATA, İstanbul, Turkey, 4 - 06 June 2021, pp.280-288

Supported Projects

Gürsoy Yılmaz B., TÜBİTAK Project, Seru Üretim Sistemlerinin Tedarik Zinciri ile Bütünleştirilmesine Yönelik Bir Metodoloji Geliştirilmesi, 2024 - 2024

Yılmaz Ö. F., Gürsoy Yılmaz B., Project Supported by Higher Education Institutions, Demontaj hattı dengeleme problemlerinin çözümünde optimizasyon temelli yaklaşımlar için bütünsel bir yöntem bilim sunulması, 2021 - 2022

Yılmaz Ö. F., Gürsoy Yılmaz B., Project Supported by Higher Education Institutions, A Methodology Proposal to Ensure the Sustainability of Healthcare Supply Chains in the Case of the COVID19 Outbreak and Other Potential Outbreaks, 2021

- 2022

Metrics

Publication: 20

Citation (WoS): 96

Citation (Scopus): 119

H-Index (WoS): 5

H-Index (Scopus): 5