

Prof. SELÇUK KÜRŞAT İŞLEYEN

Personal Information

Office Phone: [+90 312 582 3847](tel:+903125823847)

Email: isleyens@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/isleyens>

International Researcher IDs

ScholarID: SYtEptMAAAAJ

ORCID: 0000-0003-2387-7799

Publons / Web Of Science ResearcherID: AAH-5648-2021

ScopusID: 24722584000

Yoksis Researcher ID: 170933

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 2004 - 2008

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 2001 - 2004

Undergraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 1996 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Lojistik yönetim sistemlerinde stokastik talepli araç rotalama problemi, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 2008

Postgraduate, Tek modellenli stokastik U tipi montaj hattının deterministik dengeleme teknikleri ile dengelenmesi ve benzetimi: Arçelik A.Ş.'xxde bir uygulama, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 2004

Research Areas

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

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2014 - Continues

Academic and Administrative Experience

DEKAM Vice Manager, Gazi University, Mühendislik Fakültesi, 2020 - Continues

Deputy Head of Department, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2016 - 2019

Courses

COMPUTER PROGRAMMING I, Undergraduate, 2021 - 2022

Advising Theses

İŞLEYEN S. K., Using Close-Enough Neighborhood Search Heuristic For Automated Meter Reading, Postgraduate, C.TOPAÇLIOĞLU(Student), 2021

İŞLEYEN S. K., Multi Product Inventory Location Routing Problem, Doctorate, Ö.ARSLAN(Student), 2021

İŞLEYEN S. K., Personel sistemine esas AHP ve TOPSIS tabanlı model önerisi: Jandarma Genel Komutanlığı uygulaması, Postgraduate, T.ALABACAK(Student), 2020

İŞLEYEN S. K., The Evaluation Of The Preventive Effect Of Occupational Injury By Static Electric And Protective Grounding And Priority Of Electricity Caused Accidents In The Metal Industry, Postgraduate, A.KÜBRA(Student), 2019

İŞLEYEN S. K., Solution Approaches For Heterogeneous Fleet Moving Customer Vehicle Routing Problem, Doctorate, U.ÜSAME(Student), 2019

İŞLEYEN S. K., Investigation Of Causes Of Ammunition Accidents And Risk Analysis Of Ammunition Storage, Doctorate, O.AKAR(Student), 2018

İŞLEYEN S. K., The heuristic solution approach for stochastic demand multidepot vehicle routing problem, Postgraduate, K.KIZILOĞLU(Student), 2017

İŞLEYEN S. K., Multi Depot Vehicle Routing Problem With Stochastic Demand In Post-Disaster Humanitarian Relief Logistics: A Case Study In Ankara, Postgraduate, A.USLU(Student), 2016

İŞLEYEN S. K., Dynamic Course Timetabling Under Uncertainty: A Real Case, Postgraduate, U.ÜSAME(Student), 2015

İŞLEYEN S. K., Esnek atölye tipi çizelgeleme problemleri için kafiye aktarımı stratejisi: Otomotiv sektöründe bir uygulama, Postgraduate, Y.DEMİR(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Balancing and sequencing of mixed-model parallel robotic assembly lines considering energy consumption**
Soysal-Kurt H., İŞLEYEN S. K., GÖKÇEN H.
Flexible Services and Manufacturing Journal, 2024 (SCI-Expanded)
- II. **Multi-objective optimization of cycle time and energy consumption in parallel robotic assembly lines using a discrete firefly algorithm**
Soysal-Kurt H., İŞLEYEN S. K.
ENGINEERING COMPUTATIONS, vol.39, pp.2424-2448, 2022 (SCI-Expanded)
- III. **A MODEL AND TWO HEURISTIC METHODS FOR THE MULTI-PRODUCT INVENTORY-LOCATION-ROUTING PROBLEM WITH HETEROGENEOUS FLEET**
Arslan O., İŞLEYEN S. K.
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.18, no.2, pp.897-932, 2022 (SCI-Expanded)
- IV. **Emergency Shelter Site Selection in Maar Shurin Community of Idlib (Syria)**
Cetinkaya C., ÖZCEYLAN E., İŞLEYEN S. K.
TRANSPORTATION JOURNAL, vol.60, no.1, pp.70-92, 2021 (SSCI)
- V. **A graphical processing unit-based parallel hybrid genetic algorithm for resource-constrained multi-project scheduling problem**
Uysal F., SÖNMEZ R., İŞLEYEN S. K.

CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.33, no.16, 2021 (SCI-Expanded)

- VI. **Experimental analysis of Meta-Heuristic algorithms for moving customer vehicle routing problem**
Uçar U. Ü., İşleyen S. K., Gökçen H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, pp.459-475, 2021 (SCI-Expanded)
- VII. **A New Solution Approach for Maritime Surveillance Operation: The Case of Aegean Sea**
İŞLEYEN S. K., Ucar U., Balo F.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2019, 2019 (SCI-Expanded)
- VIII. **A META-HEURISTIC SOLUTION APPROACH FOR THE DESTRUCTION OF MOVING TARGETS THROUGH AIR OPERATIONS**
Ucar U., İŞLEYEN S. K.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.26, no.6, pp.986-1004, 2019 (SCI-Expanded)
- IX. **SOLVING MAKEUP COURSE TIMETABLING PROBLEM (MCTP) WITH MATHEMATICAL MODELLING: A REAL CASE APPLICATION**
Ucar U. U., İŞLEYEN S. K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.2, pp.331-346, 2016 (SCI-Expanded)
- X. **Note to "Scheduling jobs and maintenances in flexible job shop with a hybrid genetic algorithm"**
Demir Y., İŞLEYEN S. K.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.25, no.1, pp.209-211, 2014 (SCI-Expanded)
- XI. **An effective genetic algorithm for flexible job-shop scheduling with overlapping in operations**
Demir Y., İŞLEYEN S. K.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.52, no.13, pp.3905-3921, 2014 (SCI-Expanded)
- XII. **Evaluation of mathematical models for flexible job-shop scheduling problems**
Demir Y., Isleyen S. K.
APPLIED MATHEMATICAL MODELLING, vol.37, no.3, pp.977-988, 2013 (SCI-Expanded)
- XIII. **Assembly line balancing problem with deterioration tasks and learning effect**
TOKSARI M. D., Isleyen S. K., GÜNER E., BAYKOÇ Ö. F.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.2, pp.1223-1228, 2010 (SCI-Expanded)
- XIV. **Simple assembly line balancing problem under the combinations of the effects of learning and deterioration**
TOKSARI M. D., Isleyen S. K., GÜNER E., BAYKOÇ Ö. F.
ASSEMBLY AUTOMATION, vol.30, no.3, pp.268-275, 2010 (SCI-Expanded)
- XV. **AN EFFICIENTLY NOVEL MODEL FOR VEHICLE ROUTING PROBLEMS WITH STOCHASTIC DEMANDS**
İŞLEYEN S. K., BAYKOÇ Ö. F.
ASIA-PACIFIC JOURNAL OF OPERATIONAL RESEARCH, vol.26, no.2, pp.185-197, 2009 (SCI-Expanded)
- XVI. **Simple and U-type assembly line balancing problems with a learning effect**
TOKSARI M. D., Isleyen S. K., GÜNER E., BAYKOÇ Ö. F.
APPLIED MATHEMATICAL MODELLING, vol.32, no.12, pp.2954-2961, 2008 (SCI-Expanded)
- XVII. **A Solution Approach from an Analytic Model to Heuristic Algorithm for Special Case of Vehicle Routing Problem with Stochastic Demands**
Isleyen S. K., BAYKOÇ Ö. F.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2008, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **A DECISION SUPPORT SYSTEM FOR DETERMINING THE SUITABLE FISH SPECIES TO FISH FARMS**
Hadık İ. E., Uçar U. Ü., Atak M., İşleyen S. K.
Endüstri Mühendisliği, vol.31, no.3, pp.373-388, 2020 (Peer-Reviewed Journal)

- II. **A New Solution Approach for UAV Routing Problem with Moving Target - Heterogeneous Fleet**
UÇAR U. Ü., İŞLEYEN S. K.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, no.4, pp.999-1016, 2019 (ESCI)
- III. **Türkiye'deki Endüstri Mühendisliği Eğitiminin Mezun Görüşlerine Dayalı Analizi**
UÇAR U. Ü., İŞLEYEN S. K.
Uluslararası Muhendislik Arastırma ve Gelistirme Dergisi, vol.11, no.1, pp.109-123, 2019 (Peer-Reviewed Journal)
- IV. **Resource Constrained Project Scheduling with Stochastic Resources**
UYSAL F., İŞLEYEN S. K., ÇETİNKAYA C.
Journal of Applied Research on Industrial Engineering, vol.5, no.1, pp.39-49, 2018 (Peer-Reviewed Journal)
- V. **Geographic Information System-Based AHP-TOPSIS Approach for School Site Selection: A Case Study for Ankara**
Uslu A., Kiziloglu K., İŞLEYEN S. K., Kahya E.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.20, no.4, pp.933-943, 2017 (ESCI)
- VI. **VEHICLE ROUTING PROBLEM IN POST-DISASTER HUMANITARIAN RELIEF LOGISTICS: A CASE STUDY IN ANKARA**
Uslu A., Cetinkaya C., İŞLEYEN S. K.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.35, no.3, pp.481-499, 2017 (ESCI)
- VII. **Optimizing the Location-Allocation Problem of Pharmacy Warehouses: A Case Study in Gaziantep**
ÖZCEYLAN E., USLU A., ERBAŞ M., ÇETİNKAYA C., İŞLEYEN S. K.
An International Journal of Optimization and Control: Theories Applications, vol.7, no.1, pp.117-129, 2017 (Peer-Reviewed Journal)
- VIII. **Organize Sanayi Bölgelerinin Hiyerarşik K-ortalamlar Yöntemi ile Analizi**
USLU A., ÇETİNKAYA C., ÖZCEYLAN E., İŞLEYEN S. K.
Türk Sosyal Bilimler Araştırmaları Dergisi, vol.2, no.1, pp.20-37, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Web 3.0 in Decision Support Systems**
DOĞAN A., SÖYLEMEZ İ., ÖZCAN U., İŞLEYEN S. K.
5th International Management Information Systems Conference, Ankara, Turkey, 24 - 26 October 2018, pp.34
- II. **Evaluation of Unmanned Combat Aerial Vehicles with AHP Method**
UÇAR U. Ü., İŞLEYEN S. K.
12th NCMCONFERENCES International Conference on New Challenges in Industrial Engineering and Operations Management, 11 - 12 September 2018
- III. **A Decision Support System for Fish Farming Based On Data Mining: An Application in Turkey**
HADIK İ. E., UÇAR U. Ü., ATAK M., İŞLEYEN S. K.
8th International Advanced Technologies Symposium (IATS) 2017, 19 - 20 October 2017
- IV. **A Solution Approach Based on Simulated Annealing for the Destruction of Moving Targets in Time Window by Air Operations**
UÇAR U. Ü., İŞLEYEN S. K.
8th International Advanced Technologies Symposium (IATS) 2017, 19 October 2017 - 22 January 2018
- V. **Türkiye'deki Endüstri Mühendisliği Bölümlerinin İstatistiksel Açından Analizi ve Karşılaştırılması**
UÇAR U. Ü., İŞLEYEN S. K., BALCIOĞLU M., KOCAMAN H., ÇAKILCI H.
EYİ 2017 XVIII. Uluslararası Ekonometri Yöneyim Araştırması ve İstatistik Sempozyumu, 5 - 07 October 2017
- VI. **Türkiye'deki İllerin Lojistik İstatistikleri Açısından K-Ortalamlar Yöntemi ile Kümelenmesi**
USLU A., ÇETİNKAYA C., ÖZCEYLAN E., İŞLEYEN S. K., METE S.
4. International Regional Development Conference, 21 - 23 September 2017
- VII. **A MATHEMATICAL MODELLING APPROACH FOR EXAM TASK ASSIGNMENT PROBLEM CONSIDERING ASSISTANT PREFERENCES A CASE STUDY**

UÇAR U. Ü., İŞLEYEN S. K.

International Conference on Research in Education and Science (ICRES), 19 - 22 May 2016

VIII. **Pallet loading problem Literature review and research topics**

KELLEĞÖZ T., ÖZCAN U., İŞLEYEN S. K., HAKYEMEZ S., DOĞAN A., SÖYLEMEZ İ., ŞAHİN M.

International Conference on Research in Education and Science, Muğla, Turkey, 19 - 22 May 2016

IX. **MATHEMATICAL MODELING SOLUTION OF UNIVERSITYCOURSE TIMETABLING PROBLEM UNDER INSTRUCTORPREFERENCE CONSTRAINT A CASE STUDY**

UÇAR U. Ü., İŞLEYEN S. K.

International Conference on Research in Education and Science (ICRES), 19 - 22 May 2016

Supported Projects

İşleyen S. K., TUBITAK Project, AKÜ İMALATI YAPAN BİR İŞLETMEDE SEVKİYAT VE DAĞITIM SİSTEMLERİ OPTİMİZASYONU, 2015 - 2017

Metrics

Publication: 34

Citation (WoS): 223

Citation (Scopus): 274

H-Index (WoS): 4

H-Index (Scopus): 5