

Assoc. Prof. İLKER KÜÇÜKOĞLU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: D-8543-2015

ScopusID: 55763879600

Yoksis Researcher ID: 126558

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Turkey 2010 - 2015

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2006 - 2012

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (YI) (Tezli), Turkey 2008 - 2010

Undergraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2004 - 2008

Research Areas

Linear Programming, Global Optimization, Heuristic Methods, Integer and Mixed Integer Programming, Network Design

Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ, 2021 - Continues

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ, 2020 - 2021

Research Assistant PhD, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ, 2015 - 2020

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ, 2010 - 2015

Academic and Administrative Experience

Birime Bağlı Komisyon/Kurul Üyesi, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2022 - Continues

Courses

Bilgisayar Programlama III, Undergraduate, 2023 - 2024, 2022 - 2023

Yüksek Lisans Uzmanlık Alan Dersi II, Postgraduate, 2022 - 2023, 2021 - 2022

Mühendislik Teknoloji Yönetimi ve Girişimcilik Projesi, Postgraduate, 2023 - 2024, 2022 - 2023

Tedarik Zinciri Yönetimi, Doctorate, 2023 - 2024, 2022 - 2023

Bitirme Projesi, Undergraduate, 2022 - 2023, 2021 - 2022
Tez Danışmanlığı I, Postgraduate, 2023 - 2024, 2022 - 2023
Tedarik Zinciri Yönetimi, Postgraduate, 2022 - 2023, 2021 - 2022
Endüstriyel Süreç Tasarımı, Undergraduate, 2022 - 2023, 2021 - 2022
Computer Integrated Manufacturing, Undergraduate, 2023 - 2024, 2022 - 2023
Yüksek Lisans Uzmanlık Alan Dersi I, Postgraduate, 2023 - 2024, 2022 - 2023
Endüstri Mühendisliği Projesi, Undergraduate, 2023 - 2024, 2022 - 2023
Endüstri Mühendisliği Semineri, Undergraduate, 2023 - 2024, 2022 - 2023
Sezgisel Algoritmalar, Postgraduate, 2023 - 2024, 2022 - 2023
Forecasting Methods, Undergraduate, 2023 - 2024, 2022 - 2023
Sezgisel Algoritmalara Giriş, Undergraduate, 2022 - 2023, 2021 - 2022
Endüstri Mühendisliği Laboratuvarı, Undergraduate, 2022 - 2023, 2021 - 2022
Tez Danışmanlığı II, Postgraduate, 2022 - 2023, 2021 - 2022
Seminer, Postgraduate, 2022 - 2023

Jury Memberships

Doctorate, Doctorate, Bursa Uludağ Üniversitesi, March, 2024
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, July, 2023
Doctorate, Doctorate, Bursa Uludağ Üniversitesi, December, 2022
Competition, TEKNOFEST 2022, Bursa Uludağ Üniversitesi, August, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, June, 2022
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, February, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, February, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, February, 2022
Doctoral Examination, Doctoral Examination, Bursa Uludağ Üniversitesi, February, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bursa Uludağ Üniversitesi, February, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Nonlinear Programming Model for Long-Term Planning of Municipal Solid Waste Management Systems: The Desire for Global Optima**
KÜÇÜKOĞLU İ., Korucu M. K.
Environmental Modeling and Assessment, vol.29, no.6, pp.1131-1149, 2024 (SCI-Expanded)
- II. **The traveling purchaser problem for perishable foods**
KÜÇÜKOĞLU İ., Vansteenwegen P., Cattrysse D.
Computers and Industrial Engineering, vol.195, 2024 (SCI-Expanded)
- III. **Optimization Models for Long-Term Planning of Municipal Solid Waste Management Systems: A Review with An Emphasis on Mass Balances**
Korucu M. K., Kucukoglu İ.
JOURNAL OF ENVIRONMENTAL INFORMATICS, vol.43, no.1, pp.1-15, 2024 (SCI-Expanded)
- IV. **A two-stage optimization approach for big-scale problems in long-term planning of municipal solid waste management systems**
Korucu M. K., Küçükoğlu İ.
Journal of Material Cycles and Waste Management, 2024 (SCI-Expanded)
- V. **A new hybrid genetic algorithm to optimize distribution and operational plans for cross-docking satellites**

- KÜÇÜKOĞLU İ., ÖZTÜRK N.
SOFT COMPUTING, vol.27, no.24, pp.18723-18738, 2023 (SCI-Expanded)
- VI. **The traveling purchaser problem with fast service option**
KÜÇÜKOĞLU İ.
COMPUTERS & OPERATIONS RESEARCH, vol.141, 2022 (SCI-Expanded)
- VII. **The electric vehicle routing problem and its variations: A literature review**
Kucukoglu İ., Dewil R., Cattrysse D.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.161, 2021 (SCI-Expanded)
- VIII. **A hybrid meta-heuristic algorithm for vehicle routing and packing problem with cross-docking**
Küçükoğlu İ., Öztürk N.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.30, no.8, pp.2927-2943, 2019 (SCI-Expanded)
- IX. **Hybrid simulated annealing and tabu search method for the electric travelling salesman problem with time windows and mixed charging rates**
KÜÇÜKOĞLU İ., Dewil R., Cattrysse D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.134, pp.279-303, 2019 (SCI-Expanded)
- X. **A Critical Review of Multi-hole Drilling Path Optimization**
Dewil R., KÜÇÜKOĞLU İ., Luteyn C., Cattrysse D.
ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING, vol.26, no.2, pp.449-459, 2019 (SCI-Expanded)
- XI. **Adaptive Electromagnetic Field Optimization Algorithm for the Solar Cell Parameter Identification Problem**
KÜÇÜKOĞLU İ.
INTERNATIONAL JOURNAL OF PHOTOENERGY, vol.2019, 2019 (SCI-Expanded)
- XII. **Application of the artificial neural network method to detect defective assembling processes by using a wearable technology**
KÜÇÜKOĞLU İ., ATICI ULUSU H., GÜNDÜZ T., Tokcalar O.
JOURNAL OF MANUFACTURING SYSTEMS, vol.49, pp.163-171, 2018 (SCI-Expanded)
- XIII. **Two-stage optimisation method for material flow and allocation management in cross-docking networks**
KÜÇÜKOĞLU İ., ÖZTÜRK N.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.55, no.2, pp.410-429, 2017 (SCI-Expanded)
- XIV. **A genetic algorithm for minimizing energy consumption in warehouses**
ENE YALÇIN S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.
ENERGY, vol.114, pp.973-980, 2016 (SCI-Expanded)
- XV. **A hybrid metaheuristic algorithm for the green vehicle routing problem with a heterogeneous fleet**
ENE YALÇIN S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.71, pp.75-102, 2016 (SCI-Expanded)
- XVI. **An advanced hybrid meta-heuristic algorithm for the vehicle routing problem with backhauls and time windows**
KÜÇÜKOĞLU İ., ÖZTÜRK N.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.86, pp.60-68, 2015 (SCI-Expanded)
- XVII. **A memory structure adapted simulated annealing algorithm for a green vehicle routing problem**
KÜÇÜKOĞLU İ., ENE YALÇIN S., AKSOY A., ÖZTÜRK N.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.5, pp.3279-3297, 2015 (SCI-Expanded)
- XVIII. **A differential evolution approach for the vehicle routing problem with backhauls and time windows**
KÜÇÜKOĞLU İ., ÖZTÜRK N.
JOURNAL OF ADVANCED TRANSPORTATION, vol.48, no.8, pp.942-956, 2014 (SCI-Expanded)

Articles Published in Other Journals

1. Soğuk Zincir Lojistiğinde Gezgin Satın Alıcı Problemi İçin İki Aşamalı Bir Yöntem

KÜÇÜKOĞLU İ.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.10, no.3, pp.929-942, 2022 (Peer-Reviewed Journal)

- II. **Application of Precedence Constrained Travelling Salesman Problem Model for Tool Path Optimization in CNC Milling Machines**
KÜÇÜKOĞLU İ., GÜNDÜZ T., Balkancioglu F., Topal E. C., Sayim O.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.9, no.3, pp.59-68, 2019 (Scopus)
- III. **İç Lojistik Sisteminde Malzeme Tedariği İçin Geliştirilmiş Matematiksel Modelleme Yaklaşımı: Bir Uygulama**
Küçüköğlü İ., Yağmahan B., Çağhyan M. S., Yıldız A., Aktokluk D.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.23, no.4, pp.159-176, 2018 (Peer-Reviewed Journal)
- IV. **Application of Goal Programming Integrated Multi-Criteria Decision Making Approaches for the Stock Area Selection Problem of an Automotive Company**
Küçüköğlü İ., Yağmahan B., Onaylı A., Çayhan E. D., Ünal M.
INTERNATIONAL JOURNAL OF SUPPLY CHAIN MANAGEMENT, vol.6, no.3, pp.187-198, 2017 (Scopus)
- V. **Heuristic and Genetic Algorithm Approaches to the Real-World University Examination Timetabling Problem**
KÜÇÜKOĞLU İ., YURTKURAN A.
Global Journal of Business, Economics and Management, vol.7, no.1, pp.143-151, 2017 (Peer-Reviewed Journal)
- VI. **A mathematical model for truck-door assignment and product placement problem in cross-docking center**
Küçüköğlü İ., Öztürk N.
Global Journal of Business, Economics and Management, vol.7, no.1, pp.135-142, 2017 (Peer-Reviewed Journal)
- VII. **A mathematical model for the route optimization of service vehicles**
Küçüköğlü İ., Zümbülova D., Reyhan K., Görgülü S., Öztürk N.
Global Journal of Business, Economics and Management, vol.7, no.1, pp.152-158, 2017 (Peer-Reviewed Journal)
- VIII. **The Effects of Crossdock Shapes on Material Handling Costs**
KÜÇÜKOĞLU İ.
International Journal of Computational Engineering Research, vol.6, no.10, pp.1-5, 2016 (Peer-Reviewed Journal)
- IX. **Differential Evolution Algorithm for Gear Ratio Optimization of Vehicles**
KÜÇÜKOĞLU İ.
International Journal of Engineering Research and Application, vol.6, no.10, pp.29-33, 2016 (Peer-Reviewed Journal)
- X. **Heterojen Filoya Sahip Elektrikli Araçların Rota Optimizasyonu**
Küçüköğlü İ., Öztürk N.
CBU Journal of Science, vol.12, no.3, pp.525-533, 2016 (Peer-Reviewed Journal)
- XI. **Integrated Emission and Fuel Consumption Calculation Model for Green Supply Chain Management**
Aksoy A., Küçüköğlü İ., Ene S., Öztürk N.
PROCEDIA SOCIAL AND BEHAVIORAL SCIENCES, vol.109, no.1, pp.1106-1109, 2014 (Peer-Reviewed Journal)
- XII. **A Linear Programming Approach for Parallel Cell Scheduling with Sequence Dependent Setup Times**
Yıldız T., Özalp B. T., Küçüköğlü İ., Yurtkuran A., Öztürk N.
AMERICAN JOURNAL OF OPERATIONS RESEARCH, vol.4, no.3, pp.155-163, 2014 (Peer-Reviewed Journal)
- XIII. **Simulated Annealing Approach for Transportation Problem of Cross Docking Network Design**
Küçüköğlü İ., Öztürk N.
PROCEDIA SOCIAL AND BEHAVIORAL SCIENCES, vol.109, no.1, pp.1180-1184, 2014 (Peer-Reviewed Journal)
- XIV. **A mathematical model for two dimensional loading problem in cross docking network design**
KÜÇÜKOĞLU İ., AKSOY A., ENE S., ÖZTÜRK N.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.18, no.3, pp.273-282, 2013 (Peer-Reviewed Journal)
- XV. **A mathematical model for two dimensional loading problem in cross docking network design**
KÜÇÜKOĞLU İ., AKSOY A., ENE S., ÖZTÜRK N.
Mathematical Applications, vol.18, no.3, pp.273-282, 2013 (Scopus)

- XVI. **A Green Capacitated Vehicle Routing Problem with Fuel Consumption Optimization Model**
Küçüköğlü İ., Ene S., Aksoy A., Öztürk N.
International Journal of Computational Engineering Research, vol.3, no.7, pp.16-23, 2013 (Peer-Reviewed Journal)
- XVII. **A green capacitated vehicle routing problem with fuelconsumption optimization model**
KÜÇÜKOĞLU İ., ENE S., AKSOY A., ÖZTÜRK N.
International Journal of Computational Engineering Research, vol.3, no.7, pp.16-23, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Binary Satin Bowerbird Optimizer for the SetCovering Problem**
KÜÇÜKOĞLU İ.
in: Lecture Notes in Management and Industrial Engineering-Industrial Engineering in the Digital Disruption Era, Çalışır Fethi, Korhan Orhan, Editor, Springer, Cham, pp.73-86, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Zincir Market Harcamalarında İndirimli Gezgin Satın Alıcı Problemi**
Okumuş Ö., KÜÇÜKOĞLU İ.
12. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Mersin, Turkey, 16 November 2023
- II. **Otomobil Sürücülerinin Zihinsel İş Yüklerinin Araştırılması**
Atıcı-Ulus H., TAŞKAPILIOĞLU Ö., KÜÇÜKOĞLU İ., İDE D., GÜNDÜZ T.
29. Ulusal Ergonomi Kongresi, Çanakkale, Turkey, 12 - 14 October 2023
- III. **Simulated Annealing for the Traveling Purchaser Problem in Cold Chain Logistics**
Küçüköğlü İ., Cattrysse D., Vansteenwegen P.
IMSS'23 12th International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 26 - 28 May 2023, pp.259-274
- IV. **A Tabu Search Algorithm for the Traveling Purchaser Problem with Transportation Time Limit**
Küçüköğlü İ., Vansteenwegen P., Cattrysse D.
14th International Conference on Computational Logistics, Berlin, Germany, 6 - 08 September 2023, pp.248-259
- V. **Binary Satin Bowerbird Optimizer for the Set Covering Problem**
KÜÇÜKOĞLU İ.
GJCIE 2019: Global Joint Conference on Industrial Engineering and Its Application Areas, Gazimagusa, Cyprus (Kktc), 2 - 03 September 2019, pp.11
- VI. **Fabrika İçi Malzeme Tedariği Sisteminin Geliştirilmesi: Bir Otomotiv Yan Sanayi Firmasında Uygulama**
KÜÇÜKOĞLU İ., YAĞMAHAN B., ÇAĞLIYAN M. S., YILDIZ A., AKTOKLUK D.
7. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Bursa, Turkey, 3 - 05 May 2018
- VII. **A Decision Support System for the Order Picking Operations in a Spare Part Warehouse: A Case Study in an Automotive Company**
Atmaca Ö. F., Özsipahi Y., Yaşar A., KÜÇÜKOĞLU İ., İNKAYA T.
LM-SCM 2018: 16th International Logistics and Supply Chain Congress, Denizli, Turkey, 18 - 20 October 2018, pp.104
- VIII. **Electromagnetic Field Optimization Algorithm for the Photovoltaic Solar Cell Parameter Estimation Problem**
KÜÇÜKOĞLU İ., YURTKURAN A.
EURO 2018: 29th European Conference on Operational Research, Valencia, Spain, 8 - 11 July 2018
- IX. **Electromagnetic Field Optimization for Turkey's Transportation Energy Demand Estimation**
YURTKURAN A., KÜÇÜKOĞLU İ.
EURO 2018: 29th European Conference on Operational Research, Valencia, Spain, 8 - 11 July 2018

- X. **A Methodical Model Formulation for the Tool Path Optimization Problem in CNC Machines: A Case Study**
KÜÇÜKOĞLU İ., Balkancıoğlu F., Topal E. C., Sayım Ö., GÜNDÜZ T.
ICAME 2018: International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018
- XI. **Fuzzy Multi Criteria Decision Making Approach Integrated Mathematical Model for Examination Timetabling Problem**
KÜÇÜKOĞLU İ., YAĞMAHAN B., YURTKURAN A.
ICAME 2018: International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018
- XII. **Two Stage Optimization Approach for Siting Wind-Powered Charging Stations**
KÜÇÜKOĞLU İ., Dewil R., Cattrysse D.
ICCE 2018: 16th International Conference on Clean Energy, Gazimagusa, Cyprus (Kkctc), 9 - 11 May 2018
- XIII. **Comparative Study of Physics-Inspired Meta-Heuristic Algorithms for the Solar Cell Parameter Identification Problem**
YURTKURAN A., KÜÇÜKOĞLU İ.
ICCE 2018: 16th International Conference on Clean Energy, Gazimagusa, Cyprus (Kkctc), 9 - 11 May 2018
- XIV. **Fabrika İçi Malzeme Tedariği Sisteminin Geliştirilmesi: Bir Otomotiv Yan Sanayi Firmasında Uygulama**
Küçüköğlü İ., Yağmahan B., Çağlıyan M. S., Yıldız A., Aktokluk D.
ULTZK 2018: 7. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Bursa, Turkey, 3 - 05 May 2018, pp.376-383
- XV. **Elektrikli Kamyonların Rota Optimizasyonunda Kullanılacak Bir Matematiksel Model**
Aksoy A., Ene Yalçın S., Küçüköğlü İ., Öztürk N.
ULTZK 2018: 7. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Bursa, Turkey, 3 - 05 May 2018, pp.1-6
- XVI. **A Heuristic Approach for the Environmental Charging Station Scheduling Problem**
YURTKURAN A., KÜÇÜKOĞLU İ.
ISEAIA2017: 5th International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkctc), 1 - 03 November 2017
- XVII. **Application of the Artificial Neural Network Method to Detect Defective Assembling Processes by Using a Wearable Technology**
KÜÇÜKOĞLU İ., GÜNDÜZ T., Tokçalar Ö.
ISEAIA2017: 5th International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkctc), 1 - 03 November 2017
- XVIII. **A Branch-and-Bound Integrated Simulated Annealing for the Electric Vehicle Routing Problem with Time Windows**
KÜÇÜKOĞLU İ., Cattrysse D.
CIE47: 47th International Conference on Computers and Industrial Engineering, Lisbon, Portugal, 11 - 13 October 2017
- XIX. **"A Discrete Human Behavior-Based Approach for Vehicle Routing Problem of Multiple Cross-Docking Networks**
Küçüköğlü İ., Öztürk N.
CIE 47, 47th International Conference on Computers Industrial Engineering, Lisbon, Portugal, 11 - 13 October 2017
- XX. **Web based meta heuristic approach for university timetabling problem**
YURTKURAN A., KÜÇÜKOĞLU İ.
Fourth International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkctc), 2 - 04 November 2016
- XXI. **Hybrid Genetic Algorithm for Cross Docking Operations Management**
Küçüköğlü İ., Öztürk N.
ISEAIA 2016, 4th International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkctc), 2 - 04 November 2016

- XXII. **A Fuzzy C Means Clustering Approach for a Real Life Route Optimization of Service Vehicles**
Küçüköğlü İ., Zümbülova D., Reyhan K., Görgülü S., Öztürk N.
ISEAIA 2016, 4th International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016
- XXIII. **Forecasting the Electric Energy Demand of Turkey by Artificial Neural Networks**
Usta Ö., ENE S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.
The Fourth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2016), Girne, Cyprus (Kktc), 2 - 04 November 2016, pp.36
- XXIV. **Forecasting for Electric Energy Demand of Turkey by Artificial Neural Networks**
USTA Ö., ENE S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.
ISEAIA 2016: Fourth International Symposium on Engineering, Artificial Intelligence Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016
- XXV. **Çoklu Çapraz Sevkiyat Merkezlerinde Araç Rotalama Problemi İçin Geliştirilmiş Matematiksel Model, A Mathematical Model For Vehicle Routing Problem of Multiple Cross-docking Networks**
Küçüköğlü İ., Öztürk N.
ÜAS 2016, Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016
- XXVI. **Çoklu Çapraz Sevkiyat Şebekelerinde Araç Rotalama Problemi İçin Geliştirilmiş Matematiksel Model**
Küçüköğlü İ., Öztürk N.
UAS 2016: The Symposium on Production Research with International Participation, İstanbul, Turkey, 12 - 14 October 2016
- XXVII. **A Mathematical Model Formulation for Vehicle Routing Problem of Electric Vehicles**
Küçüköğlü İ., Öztürk N.
AAT 2016, International Conference on Advances in Automotive Technologies, İstanbul, Turkey, 11 - 14 October 2016
- XXVIII. **Gearbox Transmission Ratio Analysis for Fuel Economy on Vehicles**
KÜÇÜKOĞLU İ.
AAT 2016: International Conference on Advances in Automotive Technologies, İstanbul, Turkey, 11 - 14 October 2016
- XXIX. **Hybrid Multi Criteria Decision Making Approach Based on Fuzzy AHP and Fuzzy TOPSIS Methods for the Stock Area Selection Problem**
KÜÇÜKOĞLU İ., YAĞMAHAN B., ONAYLI A., ÇAYHAN E. D., ÜNAL M.
Proceedings of the Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE 2016), 14 - 15 July 2016
- XXX. **Three Meta Heuristic Algorithms for Efficient Truck Door Assignment and Product Placement Plans in Cross Docking Centers**
Küçüköğlü İ., Öztürk N.
GJCIE 2016, Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016
- XXXI. **Stok Alanı Seçim ve Yerleşim Problemi İçin Geliştirilmiş Çok Kriterli Karar Verme Yöntemi ve Simülasyon Analizi Bir Uygulama**
ÇAYHAN E. D., ONAYLI A., ÜNAL M., KÜÇÜKOĞLU İ., YAĞMAHAN B.
YA/EM'2016-Yöneylem Araştırması/Endüstri Mühendisliği 36. Ulusal Kongresi, Turkey, 13 - 15 July 2016
- XXXII. **Bir Otomotiv İşletmesinde Servis Araçları İçin Rota Optimizasyonu**
Zümbülova D., Küçüköğlü İ., Reyhan K., Görgülü S., Öztürk N.
YAEM 2016: Yöneylem Araştırması ve Endüstri Mühendisliği 36. Ulusal Kongresi, İzmir, Turkey, 13 - 15 July 2016
- XXXIII. **Integrated Optimization for Material Flow and Placement Problem in Cross Docking**
Küçüköğlü İ., Öztürk N.
EURO 2016, 28th European Conference on Operational Research, Poznan, Poland, 3 - 06 July 2016
- XXXIV. **A mathematical model for truck door assignment and product placement problem in cross docking center**
Küçüköğlü İ., Öztürk N.

- WCBEM 2016, 5th World Conference on Business, Economics and Management, Antalya, Turkey, 12 - 14 May 2016
- XXXV. **Heuristic and genetic algorithm approaches to the real world university examination timetabling problem**
KÜÇÜKOĞLU İ., YURTKURAN A.
5th World Conference on Business, Economics and Management, Antalya, Turkey, 12 - 14 May 2016
- XXXVI. **A mathematical model for the route optimization of service vehicles**
Küçükoğlu İ., Zümbülova D., Reyhan K., Görgülü S., Öztürk N.
WCBEM 2016, 5th World Conference on Business, Economics and Management, Antalya, Turkey, 12 - 14 May 2016
- XXXVII. **Differential Evolution Algorithm To Solve Truck Dock Assignment Problem of Cross Docks**
Küçükoğlu İ., Öztürk N.
ISEAIA 2015, 3rd International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkct), 4 - 06 November 2015
- XXXVIII. **Sourcing Decision and Order Allocations with Fuzzy Demand**
Aksoy A., Ene S., Küçükoğlu İ., Öztürk N.
ISEAIA 2015: Third International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkct), 4 - 06 November 2015, pp.31
- XXXIX. **A Heuristic Algorithm Approach for the Green Vehicle Routing Problem with Cross Docking Center**
Küçükoğlu İ., Öztürk N.
ISEAIA 2015, 3rd International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkct), 4 - 06 November 2015
- XL. **Differential Evolution Algorithm to Solve Truck Door Assignment Problem of Cross Docks**
Küçükoğlu İ., Öztürk N.
ISEAIA 2015: Third International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkct), 4 - 06 November 2015, pp.20
- XLI. **Sourcing Decisions and Order Allocation with Fuzzy Demand**
Aksoy A., Ene S., Küçükoğlu İ., Öztürk N.
ISEAIA 2015, 3rd International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kkct), 4 - 06 November 2015
- XLII. **Discrete Particle Swarm Optimization Algorithm for Truck Door Assignment Problem in Crossdocks**
Küçükoğlu İ., Öztürk N.
LM-SCM 2015, XIII. International Logistics and Supply Chain Congress, İzmir, Turkey, 22 - 23 October 2015
- XLIII. **Çapraz Sevkiyat Merkezlerinde Araç-Kapı Atama Problemi İçin Geliştirilmiş Parçacık Sürü Optimizasyonu**
Küçükoğlu İ., Öztürk N.
YAEM 2015: Yöneylem Araştırması ve Endüstri Mühendisliği 35. Ulusal Kongresi, Ankara, Turkey, 9 - 11 September 2015
- XLIV. **A Differential Evolution Algorithm for Transportation Problem of Cross-Docking With Heterogeneous Fleet**
Küçükoğlu İ., Öztürk N.
LM-SCM 2014, XII. International Logistics and Supply Chain Congress, İstanbul, Turkey, 30 - 31 October 2014
- XLV. **Multi Objective Sourcing Strategy design with Order Allocation Model**
ENE S., AKSOY A., KÜÇÜKOĞLU İ., ÖZTÜRK N.
Joint International Symposium on CIE44 and IMSS'14, 14 - 16 October 2014
- XLVI. **A Simulated Annealing Algorithm for Vehicle Routing Problem With Cross-Docking**
Küçükoğlu İ., Öztürk N.
CIE'44 IMSS'14, 44th International Conference on Computers Industrial Engineering- 9th International Symposium on Intelligent Manufacturing and Service Systems, İstanbul, Turkey, 14 - 16 October 2014
- XLVII. **Çapraz Sevkiyat Şebekesinde Ulaştırma Problemi İçin Geliştirilmiş Tavlama Benzetimi Algoritması**
Küçükoğlu İ., Öztürk N.
YAEM 2014: Yöneylem Araştırması ve Endüstri Mühendisliği 34. Ulusal Kongresi, Bursa, Turkey, 25 - 27 June 2014
- XLVIII. **Çapraz Sevkiyat Şebeke Tasarımında Toplam Yakıt Tüketimini Minimize Edecek Araç Seçim Stratejisi**

Küçüköğlü İ., Öztürk N.

OTEKON 2014: 7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014

XLIX. Heterojen Filolu Yeşil Araç Rotalama Optimizasyonu

Ene Yalçın S., Küçüköğlü İ., Aksoy A., Öztürk N.

OTEKON 2014: 7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014

L. Simulated annealing approach for transportation problem of cross-docking network design

KÜÇÜKOĞLU İ., ÖZTÜRK N.

2nd World Conference on Business, Economics and Management (BEM), Antalya, Turkey, 25 - 28 April 2013, vol.109, pp.1180-1184

LI. Integrated emission and fuel consumption calculation model for green supply chain management

AKSOY A., KÜÇÜKOĞLU İ., ENE YALÇIN S., ÖZTÜRK N.

2nd World Conference on Business, Economics and Management (BEM), Antalya, Turkey, 25 - 28 April 2013, vol.109, pp.1106-1109

LII. Yeşil Lojistik Prensiplerine Dayalı Araç Rotalama Optimizasyonu

Öztürk N., Aksoy A., Ene Yalçın S., Küçüköğlü İ.

Uludağ Üniversitesi Ar-Ge Günleri, Bursa, Turkey, 12 - 14 November 2013

LIII. Bütünleşik Satın Alma ve Sipariş Atama Optimizasyonu

Aksoy A., Ene Yalçın S., Küçüköğlü İ., Öztürk N.

Uludağ Üniversitesi Ar-Ge Günleri, Bursa, Turkey, 12 - 14 November 2013

LIV. Simulated Annealing Approach for Timetabling Problem

KÜÇÜKOĞLU İ., YURTKURAN A., KANGA Ö.

ISEAIA 2013: First International Symposium on Engineering, Artificial Intelligence Applications, Girne, Cyprus (Kkct), 6 - 08 November 2013

LV. A Modified Ant Colony Optimization Algorithm for Asymmetric Travelling Salesman Problem

KANGA Ö., KÜÇÜKOĞLU İ., YURTKURAN A.

ISEAIA 2013: First International Symposium on Engineering, Artificial Intelligence Applications, Girne, Cyprus (Kkct), 6 - 08 November 2013

LVI. A Tabu Search Algorithm for Green Capacitated Vehicle Routing Problem

Küçüköğlü İ., Ene Yalçın S., Aksoy A., Öztürk N.

ISEAIA 2013: First International Symposium on Engineering, Artificial Intelligence Applications, Girne, Cyprus (Kkct), 6 - 08 November 2013

LVII. An Improved Artificial Bee Colony Algorithm for Attractive Travelling Salesman Problem

YURTKURAN A., KANGA Ö., KÜÇÜKOĞLU İ.

ISEAIA 2013, First International Symposium on Engineering, Artificial Intelligence Applications, Girne, Cyprus (Kkct), 6 - 08 November 2013

LVIII. Simulated Annealing Algorithm to Solve Transportation Problem of Cross-Docking Network Design with 2-Dimensional Trucks

Küçüköğlü İ., Öztürk N.

EURO 2013 - 26th European Conference on Operational Research, Rome, Italy, 1 - 04 July 2013

LIX. Green Vehicle Routing Problem with Time Windows

AKSOY A., ENE YALÇIN S., KÜÇÜKOĞLU İ., ÖZTÜRK N.

26 th European Conference on Operational Research, ROMA, Italy, 1 - 04 July 2013

LX. Simulated Annealing Algorithm to Solve Transportation Problem of Cross-Docking Network Design with Two-Dimensional Trucks

Küçüköğlü İ., Öztürk N.

EURO 2013: 26th European Conference on Operational Research, Rome, Italy, 1 - 04 July 2013

LXI. Global outsourcing with order allocation in apparel industry

AKSOY A., ENE S., KÜÇÜKOĞLU İ., ÖZTÜRK N.

The International IIE Conference, 26 - 28 June 2013

LXII. Reverse supply chain network design

ENE S., AKSOY A., KÜÇÜKOĞLU İ., ÖZTÜRK N.

The International IIE Conference, 26 - 28 June 2013

- LXIII. **Cross-Docking Network Design with Two Dimensional Loading Constraints**
Küçüköğlü İ., Aksoy A., Ene Yalçın S., Öztürk N.
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- LXIV. **Cross Docking Network Design with Two Dimesional Loading Constraints**
Küçüköğlü İ., Aksoy A., Ene Yalçın S., Öztürk N.
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- LXV. **A mathematical model for end of life products reverse logistics network design problem**
ENE S., AKSOY A., KÜÇÜKOĞLU İ., ÖZTÜRK N.
4th International Conference on Mathematical and Computational Applications, 11 - 13 June 2013
- LXVI. **Çapraz Sevkiyat Şebeke Tasarımında Ulaştırma Probleminin Atıl Kapasite Maliyetli Araç Yükleme Modeli**
Küçüköğlü İ., Öztürk N.
ULTZK 2013: 2. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Aksaray, Turkey, 16 - 18 May 2013
- LXVII. **Global production distribution strategy in low cost country sourcing**
AKSOY A., ENE S., KÜÇÜKOĞLU İ., ÖZTÜRK N.
EMU-SSEM EuroConference 2013: Conference on Business, Economics and Finance, 11 - 13 May 2013
- LXVIII. **Yeşil Lojistik Prensiplerine Dayalı Lojistik Faaliyetlerin Optimizasyonu İçin Karar Destek Sistemi Tasarımı**
Öztürk N., Aksoy A., Ene Yalçın S., Küçüköğlü İ.
Uludağ Üniversitesi Bilgilendirme ve AR-GE Günleri, Bursa, Turkey, 13 - 15 November 2012
- LXIX. **Araç Rotalama ve Yükleme Optimizasyonu**
Küçüköğlü İ., Öztürk N.
Uludağ Üniversitesi Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012
- LXX. **Yalın Lojistik Faaliyetlerinde Rota Optimizasyonu ve Diferansiyel Gelişim Algoritması**
Küçüköğlü İ., Öztürk N.
Uludağ Üniversitesi Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012
- LXXI. **A Differential Evolution Algorithm for Route Optimization in Lean Logistics System**
Küçüköğlü İ., Öztürk N.
10th International Logistics and Supply Chain Congress, İstanbul, Turkey, 8 - 09 November 2012
- LXXII. **A Differential Evaluation Algorithm to Vehicle Routing Problem**
Küçüköğlü İ., Öztürk N.
IMS 2012 - 8th International Symposium on Intelligent and Manufacturing Systems, Antalya, Turkey, 27 - 28 September 2012
- LXXIII. **A Differential Evolution Algorithm to Vehicle Routing Problem**
KÜÇÜKOĞLU İ., ÖZTÜRK N.
IMS 2012 - The 8th International Symposium on Intelligent Manufacturing Systems, Antalya, Turkey, 27 - 28 September 2012, pp.655-660
- LXXIV. **Mathematical Model for the Vehicle Routing Problem with Stochastic Demands and Backhaul Constraints**
KANGA Ö., KÜÇÜKOĞLU İ., YURTKURAN A.
International Congress in Honour of Professor Hari M. Srivastava, Bursa, Turkey, 23 - 26 August 2012
- LXXV. **Lojistik Faaliyetlerde Araç Rotalama ve Yükleme Optimizasyonu**
Küçüköğlü İ., Öztürk N.
OTEKON 2012: 6. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 4 - 05 June 2012
- LXXVI. **Önce Dağıtım Sonra Toplamalı ve Zaman Pencere Araç Rotalama Problemine İlişkin Çözüm Yaklaşımı**
Küçüköğlü İ., Öztürk N.
Uludağ Üniversitesi Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 01 November 2011
- LXXVII. **Diferansiyel Gelişim Algoritması ile Önce Dağıtım Sonra Toplamalı ve Zaman Pencere Araç Rotalama Problemine İlişkin Bir Uygulama**

Küçüköğlü İ., Öztürk N.

YAEM 2011: Yöneylem Araştırması ve Endüstri Mühendisliği 31. Ulusal Kongresi, Sakarya, Turkey, 5 - 07 July 2011

Supported Projects

KÜÇÜKOĞLU İ., VANSTEENWEGEN P., CATTRYSSSE D., Project Supported by Higher Education Institutions, Soğuk Zincir Lojistiğine Bozulabilir Ürün Tedariğine Ait Rota Optimizasyonu, 2022 - 2024

Küçüköğlü İ., Korucu M. K., TUBITAK Project, Evsel Katı Atık Yönetimi İçin En Uygun Yöntem Ve Yer Alternatiflerinin Belirlenmesine Yönelik Bir Optimizasyon Modelinin Geliştirilmesi, 2022 - 2023

GÜNDÜZ T., TAŞKAPILIOĞLU Ö., KÜÇÜKOĞLU İ., İDE D., ATICI ULUSU H., Project Supported by Higher Education Institutions, Otomobil Sürücülerinin Farklı Trafik ve Yol Koşullarındaki Bilişsel Yüklerinin Araştırılması, 2021 - 2023

KÜÇÜKOĞLU İ., YURTKURAN A., Project Supported by Higher Education Institutions, Web Tabanlı Sınav Programı Optimizasyonu Yazılımı, 2016 - 2016

KÜÇÜKOĞLU İ., ENE YALÇIN S., AKSOY A., Project Supported by Higher Education Institutions, Çok kaynaklı satın alma stratejileri ve sipariş atama modeli, 2013 - 2016

Öztürk N., Aksoy A., Ene Yalçın S., Küçüköğlü İ., Project Supported by Higher Education Institutions, Yeşil Lojistik Prensiplerine Dayalı Lojistik Faaliyetlerinin Optimizasyonu için Karar Destek Sistemi Tasarımı, 2012 - 2015

AKSOY A., ENE YALÇIN S., KÜÇÜKOĞLU İ., Project Supported by Higher Education Institutions, Yeşil Lojistik Prensiplerine Dayalı Lojistik Faaliyetlerinin Optimizasyonu için Karar Destek Sistemi Tasarımı, 2012 - 2015

Memberships / Tasks in Scientific Organizations

Yöneylem Araştırması Derneği, Member, 2022 - Continues, Turkey

Makine Mühendisleri Odası, Member of the Board of Trustees, 2008 - Continues, Turkey

Scientific Refereeing

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, October 2023

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, August 2023

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, July 2023

TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Bursa Uludağ University, Turkey, June 2023

AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), National Scientific Refreed Journal, May 2023

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, December 2022

ENGINEERING OPTIMIZATION, Journal Indexed in SCI-E, December 2022

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, October 2022

COMPUTERS & OPERATIONS RESEARCH, Journal Indexed in SCI-E, July 2022

JOURNAL OF COMPUTATIONAL SCIENCE, Journal Indexed in SCI-E, May 2022

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, March 2022

Mobility Activity

Other, Guest Researcher, Université Catholique de Louvain, Belgium, 2022 - 2022

Metrics

Publication: 113

Citation (WoS): 420

Citation (Scopus): 516

H-Index (WoS): 11

H-Index (Scopus): 10

Non Academic Experience

KU LEUVEN