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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2013

Postgraduate, Baskent University, Institute Of Science, Turkey 2006 - 2008

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Turkey 2002 - 2005

Dissertations

Doctorate, Paralel istasyonlu çok amaçlı demontaj hattı dengeleme problemi, Gazi University, Fen Bilimleri Enstitüsü, 2012

Postgraduate, Havayolu ekip eşleme problemi: Genetik ve karma algoritmalar, Baskent University, Institute Of Science, 2008

Research Areas

Optimization Theory and Methods, Production Planning and Control, Supply Chain and Logistics Management

Academic Titles / Tasks

Assistant Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2022 - Continues

Assistant Professor, Cankaya University, Faculty Of Engineering, Department Of Industrial Engineering, 2016 - 2022

Assistant Professor, University Of Turkish Aeronautical Association, Faculty Of Engineering, Department Of Industrial Engineering, 2015 - 2016

Research Assistant, Baskent University, Faculty Of Engineering, Department Of Industrial Engineering, 2007 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Design of a distribution network for the school lunch program**
Karadag A., Akdere E.
Journal of Engineering Research (Kuwait), vol.11, no.2, pp.252-263, 2023 (SCI-Expanded)
- II. **DESIGNING AN ANNUAL LEAVE SCHEDULING POLICY: CASE OF A FINANCIAL CENTER**
Yildirim G., Aydemir-Karadag A.
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.18, no.4, pp.2927-2958, 2022 (SCI-Expanded)
- III. **Bi-Objective Adaptive Large Neighborhood Search Algorithm for the Healthcare Waste Periodic Location Inventory Routing Problem**

- Aydemir-Karadag A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.3, pp.3861-3876, 2022 (SCI-Expanded)
- IV. **Finding Optimal Depots and Routes in Sudden-Onset Disasters: An Earthquake Case for Erzincan**
Yilmaz Z., Aydemir-Karadag A., EROL S.
TRANSPORTATION JOURNAL, vol.58, no.3, pp.168-196, 2019 (SSCI)
- V. **A profit-oriented mathematical model for hazardous waste locating-routing problem**
Aydemir-Karadag A.
JOURNAL OF CLEANER PRODUCTION, vol.202, pp.213-225, 2018 (SCI-Expanded)
- VI. **Multi-objective optimization of stochastic disassembly line balancing with station paralleling**
AYDEMİR KARADAĞ A., Turkbey O.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.65, no.3, pp.413-425, 2013 (SCI-Expanded)
- VII. **Crew pairing optimization based on hybrid approaches**
Aydemir-Karadag A., Dengiz B., Bolat A.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.65, no.1, pp.87-96, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Katı Atık Depolama Tesisi Yer Seçimi için Birleştirilmiş Hedef Programlama ve AHP Yaklaşımı**
AYDEMİR KARADAĞ A.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.11, no.1, pp.211-225, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Metaheuristic Algorithm for the Hazardous Waste Periodic Location Routing Problem**
AYDEMİR KARADAĞ A.
International Conference on Smart Logistics, İstanbul, Turkey, 28 December 2022
- II. **A METAHEURISTIC APPROACH FOR SOLVING MULTI-ECHELON SCHOOL LUNCH DISTRIBUTION NETWORK**
UYAR E., AYDEMİR KARADAĞ A.
4. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, İstanbul, Turkey, 03 November 2022, pp.904
- III. **Montaj Hatlarındaki Operatörler İçin Geliştirilen Tavlama Sezgiseli ile Ergonomik İş Rotasyonu Çizelgelemesi**
IŞIK S., DİNLER E., AYDEMİR KARADAĞ A.
41. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Denizli, Turkey, 26 - 28 October 2022, pp.122
- IV. **A New Conceptual System Dynamics Based Model For Covid-19 Vaccine Supply Chain**
ÇAKIR ERDENER B., AYDEMİR KARADAĞ A., FARD N. A., PAKDİL F., HİKMET N.
31st European Conference on Operational Research (EURO), 11 July 2021
- V. **Optimizing Healthcare Facility Locations to Intervene a Fast Spreading Epidemic**
YILDIRIM G., AYDEMİR KARADAĞ A.
INFORMS Annual Meeting, Houston, United States Of America, 22 - 25 October 2017
- VI. **Planning Accumulated Employee Vacations under Varying Workload and Contractual Restrictions**
AYDEMİR KARADAĞ A., Yıldırım G.
INFORMS Annual Meeting, Houston, United States Of America, 22 - 25 October 2017
- VII. **FINDING THE LOCATIONS OF LOGISTIC DEPOTS FOR DISASTER RELIEF OPERATIONS USING GIS: THE CASE STUDY OF ERZINCAN, TURKEY**
YILMAZ Z., AYDEMİR KARADAĞ A., EROL S.
XIII. INTERNATIONAL LOGISTICS & SUPPLY CHAIN CONGRESS 2015, İzmir, Turkey, 22 - 23 October 2015
- VIII. **Genetik Algoritma İle Stokastik Çok Amaçlı Demontaj Hattı Dengeleme**

AYDEMİR KARADAĞ A., TÜRKBEY O.

Yönelem Araştırması ve Endüstri Mühendisliği 32. Ulusal Kongresi, İstanbul, Turkey, 20 - 22 June 2012

IX. Benzetim Eniyilemesi ile Bir İşletmede Sistem Tasarımı

AYDEMİR KARADAĞ A., ÇAKIR ERDENER B., İÇ Y. T., DENGİZ B.

Yönelem Araştırması ve Endüstri Mühendisliği 31. Ulusal Kongresi, Sakarya, Turkey, 5 July - 07 May 2011

X. A Hybrid Approach of Heuristic and Exact Method for Airline Crew Pairing Problem

AYDEMİR KARADAĞ A.

40th International Conference on Computers and Industrial Engineering, Avaji Island, Japan, 25 - 28 July 2010

XI. Havayolu Ekip Eşleme Problemi Genetik ve Karma Algoritmalar

AYDEMİR KARADAĞ A., DENGİZ B.

Yönelem Araştırması ve Endüstri Mühendisliği 29. Ulusal Kongresi, Ankara, Turkey, 22 - 24 June 2009