

## Assoc. Prof. AYYÜCE AYDEMİR KARADAĞ

### Personal Information

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### International Researcher IDs

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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.

Yöneylem 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.

Yöneylem 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.

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