

## Res. Asst. ASLIHAN KARAŞ ÇELİK

### Personal Information

**Email:** aslihan.karas@ogu.edu.tr

**Web:** <https://avesis.ogu.edu.tr/AZ160>

### International Researcher IDs

ScholarID: IBe9H\_wAAAAJ

ORCID: 0000-0002-7317-447X

ScopusID: 59488847000

Yoksis Researcher ID: 316084

### Education

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği, Turkey 2020 - Continues

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği, Turkey 2017 - 2020

Undergraduate, Anadolu University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2012 - 2017

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Montaj hattı işçi atama ve yeniden dengeleme problemi için bir yapay arı kolonisi algoritması, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği, 2020

### Research Areas

Industrial Engineering

### Academic Positions

Research Assistant, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, 2547 S.Kanunun 35.Madd.Çalışan, 2020 - Continues

Research Assistant, Bursa Technical University, Faculty Of Engineering And Natural Sciences, Department Of Industrial Engineering, 2020 - 2020

### Journal articles indexed in SCI, SSCI, and AHCI

1. **Assembly line rebalancing problem with human-robot collaboration and a hyper-matheuristic solution approach**

Karaş Çelik A., Ozcelik F.

COMPUTERS & INDUSTRIAL ENGINEERING, 2025 (SCI-Expanded)

**II. Assembly line worker assignment and rebalancing problem: A mathematical model and an artificial bee colony algorithm**

Karaş A., Özçelik F.

Computers and Industrial Engineering, vol.156, 2021 (SCI-Expanded)

## Articles Published in Other Journals

**I. A MATHEMATICAL MODEL FOR THE TYPE-II ASSEMBLY LINE BALANCING PROBLEM WITH HIERARCHICAL WORKER ASSIGNMENT**

Karaş Çelik A., Özçelik F.

Endüstri Mühendisliği, vol.35, no.1, pp.1-21, 2024 (Peer-Reviewed Journal)

## Books

**I. Preemptive goal programming approach for assembly line worker assignment and rebalancing problem**

KARAŞ A., ÖZÇELİK F.

in: Research & Reviews in Engineering-I, NERGİS Banu, BARDAK Selahattin, KAYAR Mahmut, MENDİ Arif Furkan, Editor, Gece Kitaplığı, Ankara, pp.65-86, 2021

## Papers Presented at Peer-Reviewed Scientific Conferences

**I. Multi-Objective Solution Approaches for Ergonomic Assembly Line Balancing Problem with Hierarchical Worker Assignment**

Karaş Çelik A., Özçelik F.

29. Ulusal Ergonomi Kongresi, Çanakkale, Turkey, 12 - 14 October 2023, pp.21, (Summary Text)

**II. An Artificial Bee Colony Algorithm for Assembly Line Worker Assignment and Balancing Problem**

Karaş Çelik A., Özçelik F.

5th International Conference on Industrial & Mechanical Engineering and Operations Management, IMEOM 2022, 26 - 28 December 2022, pp.298-307, (Full Text)

## Peer Reviews in Scientific Publications

COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, May 2023

COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, February 2023

COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, June 2022

COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, February 2022

COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, November 2021

COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, August 2021

## Metrics

Publication: 6

Citation (WoS): 14

Citation (Scopus): 23

H-Index (WoS): 1

H-Index (Scopus): 1

### **Congress and Symposium Activities**

29. Ulusal Ergonomi Kongresi, Attendee, Çanakkale, Turkey, 2023

5th International Conference on Industrial & Mechanical Engineering and Operations Management (IMEOM), Attendee, Dhaka, Bangladesh, 2022

### **Non Academic Experience**

Business Establishment Private, Eczacıbaşı Yapı Ürünleri Grubu, Üretim Planlama, Malzeme Planlama ve Kontrol Uzman Yardımcısı