

## Lect. PhD Sirma Karakaya

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0846-4494

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### Education Information

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2010 - 2014

### Academic Titles / Tasks

Lecturer, TED University, Faculty of Engineering, Department of Industrial Engineering, 2022 - Continues

Research Assistant, TED University, Faculty of Engineering, Department of Industrial Engineering, 2015 - 2022

### Courses

Senior Project II, Undergraduate

Humanitarian Logistics, Undergraduate, 2023 - 2024

Mathematical Modeling & Optimization III, Undergraduate, 2023 - 2024, 2022 - 2023

Distribution Logistics, Undergraduate, 2022 - 2023

Summer Practice II, Undergraduate, 2022 - 2023

Modelling and Analysis of Uncertainty, Postgraduate, 2022 - 2023

Summer Practice I, Undergraduate, 2022 - 2023

Logistics, Postgraduate, 2022 - 2023

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Developing a national pandemic vaccination calendar under supply uncertainty**  
Karakaya S., Balcik B.  
Omega (United Kingdom), vol.124, 2024 (SCI-Expanded)
- II. **Stochastic scheduling of chemotherapy appointments considering patient acuity levels**  
Karakaya S., Gül S., Çelik M.  
European Journal of Operational Research, vol.305, no.2, pp.902-916, 2023 (SCI-Expanded)
- III. **A mathematical model for equitable in-country COVID-19 vaccine allocation**  
Balcik B., Yucesooy E., Akca B., Karakaya S., Gevsek A. A., Baharmand H., Sgarbossa F.  
International Journal of Production Research, vol.60, no.24, pp.7502-7526, 2022 (SCI-Expanded)
- IV. **Pricing with delivery time information sharing decisions in service systems**  
Karakaya S., Savasaneril S., SERİN Y. Y.

Computers and Industrial Engineering, vol.159, 2021 (SCI-Expanded)

## **Scientific Refereeing**

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, Journal Indexed in SCI-E, November 2024

## **Congress and Symposium Activities**

POMS International Conference, Attendee, İstanbul, Turkey, 2024

YA/EM Ulusal Kongresi, Attendee, Gaziantep, Turkey, 2023

## **Awards**

Karakaya S., EURO Wisdom Young Women for OR, The Association Of European Operational Research Societies, December 2023