

## Asst. Prof. Ece Zeliha Demirci Kaplan

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-6091-7724

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### Biography

Ece Zeliha Demirci is an Assistant Professor at TED University, Department of Industrial Engineering. Prior to her current position, she was a Postdoctoral Researcher at the Industrial Engineering and Innovation Sciences Department of Eindhoven University of Technology between November 2016 and August 2019. She received her Ph.D. degree from Industrial Engineering Department of Bilkent University, in 2016. She earned her B.S. and M.S. degrees from the same department in 2007 and 2009, respectively. Her research interests include supply chain management, sustainable operations, inventory theory, and spare parts planning.

### Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Turkey 2009 - 2016

Postgraduate, Ihsan Dogramaci Bilkent University, Turkey 2007 - 2009

Undergraduate, Ihsan Dogramaci Bilkent University, Turkey 2003 - 2007

### Foreign Languages

English

### Academic Titles / Tasks

Assistant Professor, TED University, Faculty of Engineering, Department of Industrial Engineering, 2019 - Continues

Researcher, Eindhoven University of Technology, Industrial Engineering and Innovation Sciences, 2016 - 2019

### Academic and Administrative Experience

Faculty Board Member, TED University, Faculty Of Engineering, Department Of Industrial Engineering, 2024 - Continues

Head of Department, TED University, Graduate School, Engineering Management, 2022 - Continues

Head of Department, TED University, Faculty Of Engineering, Department Of Industrial Engineering, 2022 - Continues

Assist. Prof., TED University, Faculty Of Engineering, Department Of Industrial Engineering, 2019 - Continues

## Courses

### Postgraduate

Pre-thesis seminar, Postgraduate

Pre-Thesis Seminar, Postgraduate

Thesis I, Postgraduate

Inventory Management in Supply Chains, Postgraduate

Sustainable Processes, Postgraduate, 2022 - 2023

Master Thesis II, Postgraduate, 2022 - 2023

### Undergraduate

Senior Project II, Undergraduate

Supply Chain Management, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Manufacturing and Service Operations Planning II, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020

Senior Project I, Undergraduate, 2022 - 2023

Summer Practice II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Summer Practice I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Introduction to Probability Theory, Undergraduate, 2021 - 2022, 2019 - 2020

Introduction to Statistics, Undergraduate, 2021 - 2022, 2020 - 2021

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

- I. **Integrating efforts for product development and market penetration**  
Demirci E. Z., Erkip N.  
European Journal of Operational Research, vol.312, no.3, pp.927-937, 2024 (SCI-Expanded)
- II. **A restless bandit approach for capacitated condition based maintenance scheduling**  
Demirci E. Z., Arts J., Houtum G. v.  
Flexible Services and Manufacturing Journal, 2024 (SCI-Expanded)
- III. **Analysis of an inventory system with emergency ordering option at the time of supply disruption**  
Poormoaid S., Demirci E. Z.  
OR SPECTRUM, vol.43, no.4, pp.1007-1045, 2021 (SCI-Expanded)
- IV. **Designing intervention scheme for vaccine market: a bilevel programming approach**  
Demirci E. Z., Erkip N. K.  
FLEXIBLE SERVICES AND MANUFACTURING JOURNAL, vol.32, no.2, pp.453-485, 2020 (SCI-Expanded)
- V. **Designing an intervention strategy for public-interest goods: The California electric vehicle market case**  
Demirci E. Z., Erkip N. K.  
OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE, vol.69, pp.53-69, 2017 (SCI-Expanded)

## Papers Published in Refereed Scientific Meetings

- I. **Aggregate production planning revisited: An industrial application bringing in research questions**  
Erkip N., Alp O., Sen A., Demirci E. Z.  
MSOM