

## Assoc. Prof. ÖZGEN KARAER

### Personal Information

Office Phone: [+90 312 210 2279](tel:+903122102279)

Email: [okaraer@metu.edu.tr](mailto:okaraer@metu.edu.tr)

Web: <https://avesis.metu.edu.tr/okaraer>

### International Researcher IDs

ScholarID: Mio3znIAAAAJ

ORCID: 0000-0002-0802-0503

Publons / Web Of Science ResearcherID: AAZ-6923-2020

ScopusID: 23009017400

Yoksis Researcher ID: 161857

### Education Information

Doctorate, Stanford University, Management Science And Engineering, United States Of America 2002 - 2008

Undergraduate, Middle East Technical University, Faculty of Engineering, Turkey 1999 - 2002

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 2018 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 2012 - 2018

### Courses

Game Theory and Competitive Strategies, Postgraduate, 2020 - 2021

### Advising Theses

KARAER Ö., New product introduction incentives for suppliers and a common retailer, Postgraduate, K.Kircı(Student), 2020

Karaer Ö., SERVICIZING AS AN ALTERNATIVE TO SELLING FOR A DURABLE GOODS MANUFACTURER, Postgraduate, M.Ali(Student), 2019

KARAER Ö., Strategic environmental quality investments in multi-tier supply chains, Postgraduate, P.YALÇIN(Student), 2018

KARAER Ö., BAKAL İ. S., Competition of manufacturers for retailer shelf space, Postgraduate, B.DİLER(Student), 2016

KARAER Ö., Retail location competition under carbon penalty, Postgraduate, H.DİLEK(Student), 2016

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

- I. **Compound effect of closing the loop and servitization in supply chains**  
Alegoz M., KARAER Ö.  
International Journal of Production Economics, vol.270, 2024 (SCI-Expanded)
- II. **After-sales service and warranty decisions of a durable goods manufacturer**  
Kirkizoglu Z., Karaer Ö.  
OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE, vol.113, 2022 (SCI-Expanded)
- III. **Price competition between manufacturers selling to a common retailer under stock-out-based substitution**  
Kılıç B. D., KARAER Ö., BAKAL İ. S.  
Computers and Industrial Engineering, vol.174, 2022 (SCI-Expanded)
- IV. **Servitization as an alternative business model and its implications on product durability, profitability & environmental impact**  
Kanathı M. A., KARAER Ö.  
European Journal of Operational Research, vol.301, no.2, pp.546-560, 2022 (SCI-Expanded)
- V. **Supplier development in a multi-tier supply chain**  
KARAER Ö., Kraft T., Yalcin P.  
IISE TRANSACTIONS, vol.52, no.4, pp.464-477, 2020 (SCI-Expanded)
- VI. **Retail location competition under carbon penalty**  
Dilek H., KARAER Ö., NADAR E.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.269, no.1, pp.146-158, 2018 (SCI-Expanded)
- VII. **Buyer and Nonprofit Levers to Improve Supplier Environmental Performance**  
KARAER Ö., Kraft T., Khawam J.  
PRODUCTION AND OPERATIONS MANAGEMENT, vol.26, no.6, pp.1163-1190, 2017 (SCI-Expanded)
- VIII. **Quality and entry deterrence**  
KARAER Ö., Erhun F.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.240, no.1, pp.292-303, 2015 (SCI-Expanded)
- IX. **Managing the reverse channel with RFID-enabled negative demand information**  
Karaer Ö., Lee H. L.  
PRODUCTION AND OPERATIONS MANAGEMENT, vol.16, no.5, pp.625-645, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **MANAGING A RETAIL FASHION PRODUCT WITH RFID-ENABLED INVENTORY VISIBILITY**  
Karaer Ö.  
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.8, no.2, pp.796-809, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Managing the Chemicals and Substances in Products and Supply Chains**  
Kraft T., Karaer Ö., Sharpe K.  
in: Environmentally Responsible Supply Chains, Atalay Atası, Editor, Springer, London/Berlin, Basel, pp.313-337, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Supplier Development and Greenwashing in a Multi-tier Supply Chain**  
Çetin C. B., Karaer Ö., Zaccour G.  
INFORMS 2022, Indiana, United States Of America, 16 - 19 October 2022, pp.1
- II. **Servitization as an alternative business model and its implications on product durability, profitability & environmental impact**  
Karaer Ö., Kanatli M. A.  
EURO 2022, Espoo, Finland, 3 - 06 July 2022, pp.97-98
- III. **Retail location competition under carbon penalty**  
Karaer Ö., Nadar E., Dilek H.  
29th European Conference on Operational Research, Valencia, Spain, 8 - 11 July 2018, pp.300
- IV. **Strategic Environmental Quality Investment in a Multi-Tier Supply Chain**  
Karaer Ö., Yalçın P., Kraft T.  
INFORMS ANNUAL MEETING 2017, Texas, United States Of America, 22 - 25 October 2017
- V. **Partial Cooperation Opportunities in a Two-Echelon Supply Chain**  
Bakal I. S., Diler B., Karaer Ö.  
OR 2016 Hamburg, Hamburg, Germany, 30 August - 02 September 2016, pp.50
- VI. **Ürünlerin Perakende Satış Noktasında Raf Yeri İçin Rekabeti**  
Karaer Ö., Diler B., Bakal I. S.  
Yöneylem Araştırması ve Endüstri Mühendisliği Konferansı, İzmir, Turkey, 13 - 15 July 2016
- VII. **Retail Channel Management with Product Differentiation**  
Uğur G., Karaer Ö.  
Production and Operations Management Annual Conference, Florida, United States Of America, 6 - 09 May 2016

## Supported Projects

KARAER Ö., Project Supported by Higher Education Institutions, Hazır Giyim Perakendecileri İçin Rfid Teknolojisinin Değerinin Araştırılması, 2012 - 2014

## Metrics

Publication: 23  
Citation (WoS): 209  
Citation (Scopus): 237  
H-Index (WoS): 7  
H-Index (Scopus): 7

## Non Academic Experience

Gap Inc.