

# NIHAN KABADAYI

## ASSOC. PROF.

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### International Researcher IDs

ScholarID: Nihan

ORCID: 0000-0003-1950-4877

Yoksis Researcher ID: 58749

### Learning Knowledge

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Doctorate 2007 - 2013	Istanbul University, Institute of Social Sciences, Üretim Abd, Turkey
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Postgraduate 2005 - 2007	Istanbul University, Institute of Social Sciences, Üretim Abd, Turkey
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Undergraduate 2000 - 2004	Istanbul University, School of Business, Turkey
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### Dissertations

Doctorate, Tedarik Zincirinde Üretim-Stok-Dağıtım Rotalama Probleminin Bütünleşik Çözümü, İstanbul University, Institute of Social Sciences, İşletme Bölümü/ Üretim Bilim Dalı, 2013

Postgraduate, Seri Tedarik Zincirinde Temel-Stok Seviyelerinin Simülasyon Temelli Genetik Algoritma ile Çözülmesi, İstanbul University, Institute of Social Sciences, İşletme Bölümü/ Üretim Bilim Dalı, 2007

### Academic Titles / Tasks

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Assistant Professor 2016 - Continues	Istanbul University, School of Business, Department of Business Administration
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Assistant Professor 2016 - 2018	Istanbul University, School of Business, Department of Business Administration
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Research Assistant PhD 2005 - 2016	Istanbul University, School of Business, Department of Business Administration
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### Supported Projects

1. DAĞ S., KABADAYI N., Project Supported by Higher Education Institutions, FUZZY DEMATEL METHOD FOR EVALUATION OF MACHINE SELECTION CRITERIA IN A FLOWSHOP PRODUCTION SYSTEM, 2017 - 2018

2. KABADAYI N., KÜÇÜK ÇIRPIN B., Project Supported by Higher Education Institutions, Service Quality Analysis with Using a Fuzzy AHP Methodology A case study in Veterinary Hospital in Turkey, 2016 - 2016
3. KABADAYI N., Project Supported by Higher Education Institutions, Makespan Optimization for the Travelling Salesman Problem with Time Windows Using Differential Evolution Algorithm, 2015 - 2015
4. KABADAYI N., Project Supported by Higher Education Institutions, A Novel Memetic Algorithm for Production-Distribution Systems, 2014 - 2014

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

1. **Multi-objective supplier selection process: a simulation-optimization framework integrated with MCDM**  
Kabadayi N., Dehghanimohammadabadi M.  
ANNALS OF OPERATIONS RESEARCH, vol.319, no.2, pp.1607-1629, 2022 (SCI-Expanded)

### Articles Published in Other Journals

1. **3D Printer Selection by Using Fuzzy CRITIC and Fuzzy EDAS Methods**  
KABADAYI N., DAĞ S.  
Journal of Transportation and Logistics, vol.9, no.1, pp.121-138, 2024 (Peer-Reviewed Journal)
2. **Warehouse Location Selection Using Grey Based TOPSIS Method**  
Kabadayı N., Çakır Esen T. E.  
Anemon Muş Alparslan Üniversitesi Sosyal Bilimler Dergisi, vol.9, no.1, pp.169-184, 2021 (Peer-Reviewed Journal)
3. **An Integrated Fuzzy DEMATEL and Intuitionistic Fuzzy TOPSIS Method to Evaluate Sustainable Supplier Performance**  
Kabadayı N.  
Alphanumeric Journal, vol.8, no.2, pp.208-226, 2020 (Peer-Reviewed Journal)
4. **ISO 44001 İŞBİRLİKÇİ İŞ İLİŞKİLERİ YÖNETİM SİSTEMİ STANDARDININ TEDARİK ZİNCİRİ ORTAKLIK SÜREÇLERİNE ETKİSİNİN DEĞERLENDİRİLMESİ**  
Dağ S., Kabadayı N.  
Beykoz Akademi Dergisi, vol.8, no.2, pp.60-81, 2020 (Peer-Reviewed Journal)
5. **GİRİ İLİŞKİSEL TEMELLİ TOPSIS YÖNTEMİ İLE TEDARİKÇİ SEÇİMİ VE TEDARİKÇİ RİSK DEĞERLENDİRMESİ**  
Kabadayı N., Çırpın B. K.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.25, no.2, pp.767-788, 2020 (Peer-Reviewed Journal)
6. **Dealership performance evaluation in supply chain with DEMATEL and ELECTRE methods**  
Kabadayı N., Dag S.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.26, no.1, pp.241-253, 2020 (ESCI)
7. **A two-stage ahp multi-objective simulation optimization approach in healthcare**  
Dehghanimohammadabadi M., Kabadayı N.  
International Journal of the Analytic Hierarchy Process, vol.12, no.1, pp.117-135, 2020 (Scopus)
8. **Bulanık AHP ve Bulanık Gri İlişkisel Analiz Yöntemleri ile Kargo Uçak Tipi Seçimi: Bir Türk Havayolu Firmasında Uygulama.**  
Akyurt İ. Z., Kabadayı N.  
Journal of Yasar University, vol.15, no.57, pp.38-55, 2020 (Peer-Reviewed Journal)
9. **BULANIK DEMATEL VE BULANIK PROMETHEEYÖNTEMLERİ İLE KABLO ÜRETİMİNDE MAKİNE SEÇİMİ**  
Kabadayı N., Dağ S.  
Karadeniz Teknik Üniversitesi Sosyal Bilimler Enstitüsü Sosyal Bilimler Dergisi, no.14, pp.239-260, 2017 (Peer-Reviewed Journal)

10. **Process Performance Analysis in the Production Process of Medical Bottles**  
Kabadayı N., DAĞ S.  
The International Journal of Business & Management, vol.3, no.9, pp.15-25, 2015 (Peer-Reviewed Journal)
11. **Comparison Of Periodic-Review Inventory Control Policies In A Serial Supply Chain**  
KABADAYI N., KESKİNTÜRK T.  
ALPHANUMERIC JOURNAL, vol.3, no.2, pp.1-8, 2015 (Peer-Reviewed Journal)
12. **Analytic Hierarchy Process in Third-Party Logistics Provider Selection Criteria Evaluation: A Case Study in IT Distributor Company**  
Küçük Çarpın B., Kabadayı N.  
International Journal of Multidisciplinary Sciences and Engineering, vol.6, no.3, pp.1-6, 2015 (Peer-Reviewed Journal)
13. **Supplier Selection in Hospitality Industry Using ANP**  
Önder E., Kabadayı N.  
International Journal of Academic Research in Business and Social Sciences, vol.5, no.1, pp.166-186, 2015 (Peer-Reviewed Journal)

### Books & Book Chapters

1. **21.Yüzyılda Tedarik Zinciri Yönetimi Güncel Rekabet Stratejileri ve Yaklaşımlar**  
Kabadayı N.  
Kriter Yayın evi, İstanbul, 2021
2. **Fuzzy Hybrid FMEA for Risk Assessment in Service Industry: An Integrated Intuitionistic Fuzzy AHP and TOPSIS Approach**  
Kabadayı N.  
in: Advancements in Fuzzy Reliability Theory, Akshay Kumar, Mangey Ram, Om Prakash Yadav, Editor, IGI Global, Pennsylvania, pp.45-75, 2021
3. **A Memetic Algorithm for Integrated Production Distribution Problem in a Supply Chain**  
Kabadayı N.  
in: Demand Forecasting and Order Planning in Supply Chains and Humanitarian Logistics, Atour Taghipour, Editor, IGI Global, Pennsylvania, pp.198-224, 2020
4. **Fuzzy Logic in Health Services: Integrated Fuzzy Method for Multi-Criteria Inventory Classification**  
Kabadayı N., Dağ S.  
in: Computational Intelligence and Soft Computing Applications in Healthcare Management Science, Muhammed Gul, Erkan Çelik, Süleyman Mete, Faruk Serin, Editor, IGI Global, Pennsylvania, pp.121-157, 2020

### Refereed Congress / Symposium Publications in Proceedings

1. **Fermatean Fuzzy Analytic Hierarchy Process for Supplier Selection on LARG Supply Chain Paradigm**  
KABADAYI N., Bakkal S.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Turkey, 16 - 18 July 2024, vol.1090 LNNS, pp.373-382
2. **Döngüsel Tedarik Zinciri Uygulamalarının Önündeki Engellerin Küresel Bulanık AHP Yöntemi ile Değerlendirilmesi**  
Bakkal S., Kabadayı N.  
Circular Economy Series II International Conference, İstanbul, Turkey, 18 - 19 November 2022, pp.20-21
3. **Evaluation of Sustainable Supply Chain Risk Factors using Fuzzy Hybrid FMEA**  
Kabadayı N., Dağ S.  
INARS 2021, İstanbul, Turkey, 3 - 05 December 2021, pp.15-20
4. **A Combined Simulation-Optimization and AHP Approach to Improve the Quality of Care in Healthcare**

## Centers

KABADAYI N., Dehghani M.

MCDM 2019- 25th International Conference on Multiple Criteria Decision Making, İstanbul, Turkey, 16 - 21 June 2019, pp.85-86

5. **FUZZY DEMATEL METHOD FOR EVALUATION OF MACHINE SELECTION CRITERIA IN A FLOW-SHOP PRODUCTION SYSTEM**

Dağ S., Kabadayı N.

international symposium for production research 2017, Vienna, Austria, 13 - 15 September 2017, pp.273-281

6. **Service Quality Analysis with Using a Fuzzy AHP Methodology: A case study in Veterinary Hospital in Turkey**

KABADAYI N., KÜÇÜK ÇIRPIN B.

IEOM Detroit 2016 - Industrial Engineering and Operations Management-International Conference, Detroit, United States Of America, 23 - 25 September 2016, pp.411-419

7. **Makespan Optimization for Travelling Salesman Problem With Time Windows Using Differential Evolution Algorithm**

KABADAYI N., KESKİNTÜRK T.

The Sixth Asian Conference on the Social Sciences 2015 ACSS2015, Kobe, Japan, 11 - 14 June 2015, pp.1-8

8. **A Novel Memetic Algorithm for Production-Distribution Systems**

KABADAYI N., KESKİNTÜRK T.

Winter 2014 Global Technology Management Symposium, Los Angeles, United States Of America, 7 - 08 February 2014, pp.13-18

9. **A Genetic Algorithm for the Integrated Production, Inventory, Distribution Routing Problem**

KABADAYI N., KESKİNTÜRK T.

INFORMS Annual Meeting 2012 Phoenix, Arizona ABD, United States Of America, 1 - 04 October 2012, pp.338

10. **Comparison of periodic-review inventory control policies in a serial supply chain**

KABADAYI N., KESKİNTÜRK T.

POMS 2012 Annual Meeting Chicago ABD, Chicago, United States Of America, 19 - 23 April 2012, pp.300-325

11. **Supplier performance evaluation with data envelopment analysis:A case study in manufacturing company**

DAĞ S., kabadayı n.

7. International Logistic and Supply Chain Congress,, Turkey, 1 - 04 November 2009, pp.232-239

12. **Selecting a better supplier using process capability index and price advantage chart in pharmaceutical industry**

DAĞ S., KABADAYI n.

6. International Logistic and Supply Chain Congress,, Turkey, 1 - 04 November 2008, pp.355-360

## Courses

Sürdürülebilir Tedarik Zinciri Yönetimi, Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Depo ve Dağıtım Merkezi Yönetimi, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Modern Üretim Sistemleri, Undergraduate, 2021 - 2022, 2020 - 2021

Tedarik Zinciri Yönetimi, Undergraduate, 2021 - 2022, 2019 - 2020

Yalın ve Sürdürülebilir Tedarik Zinciri Yönetimi, Doctorate, 2021 - 2022

Kalite Geliştirme Teknikleri, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Üretim Yönetimi, Undergraduate, 2020 - 2021

Üretim Yönetimi, Undergraduate, 2018 - 2019

Modern Üretim Sistemleri, Undergraduate, 2018 - 2019

Tedarik Zinciri Yönetimi, Undergraduate, 2018 - 2019, 2016 - 2017

Quality Improvement Techniques, Undergraduate, 2018 - 2019, 2016 - 2017

Küresel Lojistik Yönetimi, Postgraduate, 2018 - 2019  
Tedarik Zinciri Yönetimi, Undergraduate, 2016 - 2017  
Modern Production Systems, Undergraduate, 2016 - 2017  
Üretim Yönetimi, Undergraduate, 2016 - 2017

### Advising Theses

Kabadayı N., Sürdürülebilir dengelenmiş kurum karnesi ile depo performans ölçümü, Postgraduate, E.AKYOL(Student), 2022

### Scientific Refereeing

VERİMLİLİK DERGİSİ, National Scientific Refreed Journal, July 2020

ÇANKIRI KARATEKİN ÜNİVERSİTESİ İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, May 2020

ALPHANUMERIC JOURNAL, National Scientific Refreed Journal, May 2020

Demand Forecasting and Order Planning in Supply Chains and Humanitarian Logistics, Chapter Scientific / Professional Book Published by Renowned Publishing Houses, April 2020

### Research Areas

Social Sciences and Humanities, Management, Production Management

### Non Academic Experience

Baytravel Turizm A.S.