

## Arş. Gör. Dr. Betül ÖZKAN

### Kişisel Bilgiler

E-posta: bozkan@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/bozkan>

### Uluslararası Araştırmacı ID'leri

ScholarID: IytopSQAAAAJ

ORCID: 0000-0001-7281-5442

ScopusID: 37124686100

Yoksis Araştırmacı ID: 56292

### Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Türkiye 2010 - 2016

Yüksek Lisans, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Türkiye 2008 - 2010

Lisans, Yıldız Teknik Üniversitesi, Endüstri Müh.Bölümü, Endüstri Mühendisliği, Türkiye 2004 - 2008

### Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Yıldız Teknik Üniversitesi, Endüstri Müh.Bölümü, Endüstri Mühendisliği, 2016 - Devam Ediyor

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Endüstri Müh.Bölümü, Endüstri Mühendisliği, 2009 - 2016

### Verdiği Dersler

Risk Analysis and Management, Lisans, 2023 - 2024

Lab. Applications in Industrial Engineering, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Warehouse Management, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Scheduling, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Reliability Engineering, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022

Decision Support Systems, Lisans, 2020 - 2021, 2019 - 2020, 2017 - 2018

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. An integrated decision-making methodology based on Pythagorean fuzzy sets for social robot evaluation**  
KAYA İ., KARAŞAN A., ÖZKAN B., ÇOLAK M.  
SOFT COMPUTING, cilt.26, sa.19, ss.9831-9858, 2022 (SCI-Expanded)
- II. Planning Location of Mobility Hub for Sustainable Urban Mobility**  
AYDIN N., ŞEKER Ş., ÖZKAN B.  
Sustainable Cities and Society, cilt.81, 2022 (SCI-Expanded)
- III. A Fuzzy Based Performance Model for the Assessment of Individual Sport Branches: A Case Study for Tennis Players**  
ÖZKAN B., KARAŞAN A., KAYA İ.

- JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.37, ss.27-51, 2021 (SCI-Expanded)
- IV. **Creating a road map for industry 4.0 by using an integrated fuzzy multicriteria decision-making methodology**  
Kaya İ., Erdoğan M., Karaşan A., Özkan B.  
SOFT COMPUTING, cilt.24, ss.17931-17956, 2020 (SCI-Expanded)
- V. **A multi-criteria evaluation model based on hesitant fuzzy sets for blockchain technology in supply chain management**  
Colak M., Kaya İ., Özkan B., Budak A., Karaşan A.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.38, ss.935-946, 2020 (SCI-Expanded)
- VI. **A Fuzzy Based Goal Programming Methodology for Minimizing the Risk Factors: A Real Case Application in Pharmaceutical Sector**  
ÖZKAN B., KAYA İ., Basligil H.  
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.28, ss.475-493, 2017 (SCI-Expanded)
- VII. **A Hybrid Multicriteria Decision Making Methodology Based on Type-2 Fuzzy Sets For Selection Among Energy Storage Alternatives**  
ÖZKAN B., KAYA İ., Cebeci U., Basligil H.  
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, cilt.8, sa.5, ss.914-927, 2015 (SCI-Expanded)
- VIII. **A Fuzzy Mixed Integer Linear Programming Model for A Reverse Logistics System with A Real Case Application**  
Özkan B., Basligil H., Kaya İ., Özkır V.  
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.25, ss.269-289, 2015 (SCI-Expanded)
- IX. **A distribution network optimization problem for third party logistics service providers**  
Hüseyin B., SONER KARA S., ALCAN P., ÖZKAN B., Çağlar E. G.  
Expert Systems With Applications, cilt.38, ss.12730-12738, 2011 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Evaluating Vaccine Temperature Monitoring Systems via Fuzzy Analytic Hierarchy Process**  
Özkan B., Başligil H.  
Istanbul University Journal of the School of Business, cilt.45, 2016 (Hakemli Dergi)

## **Kitap & Kitap Bölümleri**

- I. **Selecting the Best Strategy for Industry 4.0 Applications with a Case Study**  
ERDOĞAN M., ÖZKAN B., KARASHAN A., KAYA İ.  
Industrial Engineering in the Industry 4.0 Era, Calisir Fethi, Camgoz Akdag Hatice, Editör, Springer, ss.109-119, 2018
- II. **Selecting the Best Strategy for Industry 4.0 Applications with a Case Study**  
ERDOĞAN M., ÖZKAN B., KARASHAN A., KAYA İ.  
Industrial Engineering in the Industry 4.0 Era, Calisir F., Camgoz Akdag H., Editör, Springer, Cham, Berlin, ss.109-119, 2018

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Evaluating blockchain risks by using a MCDM methodology based on pythagorean fuzzy sets**  
Özkan B., Kaya İ., Erdoğan M., Karaşan A.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Türkiye, 23 - 25 Temmuz 2019,

cilt.1029, ss.935-943

- II. **Evaluation of defense strategies by using a MCDM methodology based on neutrosophic sets: A case study for Turkey**  
Karaşan A., Kaya İ., Erdoğan M., Özkan B., Çolak M.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Türkiye, 23 - 25 Temmuz 2019, cilt.1029, ss.683-692
- III. **Prioritizing Cosmetics Brands' Websites Evaluation Criteria by Using Pythagorean Fuzzy AHP**  
Özkan B.  
Operations Research 2019, Dresden, Almanya, 3 - 06 Eylül 2019, ss.1
- IV. **Selecting the Best Strategy for Industry 4.0 Applications with a Case Study**  
Erdogan M., ÖZKAN B., KARAŞAN A., KAYA İ.  
Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE ), Vienna, Avusturya, 20 - 21 Temmuz 2017, ss.109-119
- V. **Evaluating the Performance Criteria of Health Information Systems by Using Fuzzy Type-2 Multi Criteria Decision Making Methodology**  
ÖZKAN B.  
International Conference on Operations Research OR2017, Berlin, Almanya, 06 Eylül 2017, ss.62
- VI. **Selecting the Best Strategy for Industry 4.0 Application with a Case Study**  
ERDOĞAN M., ÖZKAN B., KARAŞAN A., KAYA İ.  
Global Joint Conference on Industrial Engineering and Its Application Areas 2017, 20 - 21 Temmuz 2017
- VII. **Evaluating Risks in a Pharmaceutical Supply Chain by Using Type-2 Fuzzy Analytic Hierarchy Process**  
ÖZKAN B., BAŞLIGİL H.  
27th European Conference on Operational Research, Glasgow, Birleşik Krallık, 12 Temmuz 2015, ss.135
- VIII. **Modeling Risks in Supply Chain: An Overview to Literature**  
ÖZKAN B., BAŞLIGİL H.  
International Annual Conference of the German OR Society, Aachen, Almanya, 02 Eylül 2014, ss.133
- IX. **Minimizing the risk factors in a pharmaceutical supply chain by using goal programming**  
ÖZKAN B., KAYA İ., BAŞLIGİL H.  
4th International Conference on Risk Analysis and Crisis Response, RACR 2013, İstanbul, Türkiye, 27 - 29 Ağustos 2013, ss.505-509
- X. **Evaluation of Academic Research Project Types: A Multi Criteria Decision Making Methodology**  
Bölükbaş U., Özkan B., Başlıgil H.  
2nd International Conference on Information Technology , E-Government and Applications ( ICITEA 2013 ), İstanbul, Türkiye, 22 - 23 Ekim 2013, ss.2-3
- XI. **Evaluation Management Approaches in Green Supply Chain Using Extended VIKOR Method**  
Özkan B., ÇETİN DEMİREL N., Başlıgil H.  
Operations Research 2012, International Annual Conference of the German OR Society, Hannover, Almanya, 05 Eylül 2012, ss.209
- XII. **Multi-Criteria Evaluation of Target Market Policies Using Choquet Integral**  
ÇETİN DEMİREL N., Özkan B.  
14th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Catania, İtalya, 10 Temmuz 2012
- XIII. **İnşaat Projelerindeki Risklerin Bulanık AHP Kullanılarak Ağırlıklandırılması**  
Özkan B., ÇETİN DEMİREL N.  
Yöneylem Araştırması ve Endüstri Mühendisliği 32.Ulusal Kongresi YAEM 2012, İstanbul, Türkiye, 20 Haziran 2012
- XIV. **Choosing the Appropriate Collection Center Place for a Reverse Logistics System**  
ÖZKAN B., BAŞLIGİL H.  
VIII. International Logistics and Supply Chain Congress, 01 Kasım 2010
- XV. **Analitik Hiyerarşi Prosesi ve Bulanık Analitik Hiyerarşi Prosesi ile Lojistik Firması Seçimi**  
ÖZKAN B., Kibar U., BAŞLIGİL H.  
30. Ulusal Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, 01 Haziran 2010

- XVI. **Evaluating Transportation Types According to Different Sectors: A Multi Criteria Decision Making Methodology**  
ÖZKAN B., BAŞLIGİL H.  
VII. International Logistics and Supply Chain Congress, 01 Kasım 2009
- XVII. **Levels of Information Sharing and Information Value in Supply Network**  
Balın S., ÖZKAN B.  
VII. International Logistics and Supply Chain Congress, 01 Kasım 2009

## **Metrikler**

Yayın: 31

Atf (WoS): 104

Atf (Scopus): 222

H-İndeks (WoS): 5

H-İndeks (Scopus): 6