

## Res. Asst. Ebru GEÇİCİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-1671-2020

ScopusID: 57216780683

Yoksis Researcher ID: 311951

### Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, Turkey  
2022 - Continues

Doctorate, Koc University, Institute Of Science, Turkey 2021 - 2022

Postgraduate, Bogazici University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2018 - 2021

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering,  
Turkey 2013 - 2018

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Location Selection of Hydrogen Refueling Station, Bogazici University, Faculty Of Engineering, Department  
Of Industrial Engineering, 2021

### Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Industrial Engineering, Optimization Theory and  
Methods, Scheduling, Supply Chain and Logistics Management

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering,  
2019 - Continues

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

- I. **Locating hydrogen fuel stations: A comparative study for Istanbul**  
Gündüz S. B., GEÇİCİ E., GÜLER M. G.  
International Journal of Hydrogen Energy, vol.52, pp.1234-1246, 2024 (SCI-Expanded)
- II. **Design of a future hydrogen supply chain: A multi-objective model for Turkey**  
Erdoğan A., GEÇİCİ E., GÜLER M. G.  
International Journal of Hydrogen Energy, vol.48, no.31, pp.11775-11789, 2023 (SCI-Expanded)
- III. **Multi-period planning of hydrogen refuelling stations using flow data: A case study for Istanbul**  
GEÇİCİ E., GÜLER M. G., Bilgiç T.  
International Journal of Hydrogen Energy, vol.47, no.95, pp.40138-40155, 2022 (SCI-Expanded)
- IV. **Evaluation of the quality of health and safety services with SERVPERF and multi-attribute decision-making methods**  
ALP S., Yılmaz F., GEÇİCİ E.  
INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS, vol.28, no.4, pp.2216-2226, 2022 (SSCI)
- V. **A web-based decision support system for examination timetabling**  
GÜLER M. G., GEÇİCİ E., Köroğlu T., Becit E.  
Expert Systems with Applications, vol.183, 2021 (SCI-Expanded)
- VI. **Design of a future hydrogen supply chain: A multi period model for Turkey**  
GÜLER M. G., GEÇİCİ E., Erdoğan A.  
International Journal of Hydrogen Energy, vol.46, pp.16279-16298, 2021 (SCI-Expanded)
- VII. **A decision support system for scheduling the shifts of physicians during COVID-19 pandemic**  
GÜLER M. G., GEÇİCİ E.  
Computers and Industrial Engineering, vol.150, 2020 (SCI-Expanded)
- VIII. **A spreadsheet-based decision support system for examination timetabling**  
GÜLER M. G., GEÇİCİ E.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.28, no.3, pp.1584-1598, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **CUSTOMER SEGMENTATION WITH CLUSTERING METHODS IN THE RETAIL INDUSTRY**  
Şentürk H., Geçici E., Alp S.  
İstanbul Aydın Üniversitesi Sosyal Bilimler Dergisi, vol.16, no.4, pp.551-573, 2024 (Peer-Reviewed Journal)
- II. **An Artificial Intelligence Based Approach to Identify Risky Passes at Customs Control Points**  
Şeker E. Z., Geçici E., Taskin A.  
Karadeniz Fen Bilimleri Dergisi, vol.14, no.2, pp.476-492, 2024 (Peer-Reviewed Journal)
- III. **An application of optimal control in medical systems: optimal investment strategy in doctors**  
Akan M., GEÇİCİ E.  
Network Modeling Analysis in Health Informatics and Bioinformatics, vol.12, no.1, 2023 (Scopus)
- IV. **SOLVING SOLID TRANSPORTATION PROBLEMS UNDER UNCERTAIN ENVIRONMENT USING GOAL PROGRAMMING**  
Güzel N., Alp S., Geçici E.  
Endüstri Mühendisliği, vol.33, no.1, pp.130-144, 2022 (Peer-Reviewed Journal)
- V. **Optimal Capital and Labor Investment in Price Regulated Service Firms**  
Akan M., Geçici E.  
Haliç Üniversitesi Sosyal Bilimler Dergisi, vol.4, no.1, pp.1-15, 2021 (Peer-Reviewed Journal)
- VI. **A decision support system for nurse scheduling problem**  
Gecici E., GÜLER M. G.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.4, pp.749-757, 2020 (ESCI)

## Books & Book Chapters

### I. Industry 4.0

Geçici E., Alp S.

in: Introduction to Industrial Engineering, Prof. Dr. Kenan Özden, Prof. Dr. Tarık Çakar, Editor, Nobel Yayınevi, Ankara, pp.303-332, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **Optimizing Supervisor Assignment: A Mathematical Modeling Approach For A Real-World Application**  
Geçici E., Işık E. E., Güneş M., Şimşir M.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October 2024, pp.139
- II. **Determination and Evaluation of Alternatives for Post-Disaster Settlement Planning in Regions Affected by Natural Disasters**  
Tuzkaya U. R., Alp S., Aydın N., Şeker Ş., Geçici E., Özen H., Yüzer N., Doğan U.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October 2024, pp.83
- III. **Developing Personalized Sales Strategies with Clustering and Association Analysis**  
Alp S., Geçici E., Tuzkaya U. R., Boyacıoğlu A., Taştutan Y.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Turkey, 2 - 04 October 2024, pp.122
- IV. **Analysis Of Artificial Intelligence Methods In Classifying Heart Attack Risk: Black-box Models Vs. Glass-box Models**  
Geçici E., Işık E. E., Şimşir M., Güneş M.  
5th International Congress of Applied Statistics (UYİK-2024), İstanbul, Turkey, 21 - 23 May 2024, pp.98
- V. **Air Quality Index Prediction using Machine Learning: A Case study in İstanbul**  
Geçici E., Şimşir M.  
4th International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 13 - 16 March 2024, pp.223-231
- VI. **Customer Segmentation by Using Artificial Learning: An Application in Digital Accounting Transactions**  
Geçici E., Alp S., Tuzkaya U. R., Ton O., Gökalp A.  
3rd International Congress on Scientific Advances (ICONSAD), Balıkesir, Turkey, 20 - 23 December 2023, pp.249-255
- VII. **Vaccination Rate Vs. Development Level Of The Countries: A Machine Learning Application**  
Işık E. E., Şimşir M., Geçici E., Güneş M.  
42. Yöneylem Araştırması ve Endüstri Mühendisliği (YA-EM) Kongresi, Gaziantep, Turkey, 1 - 03 November 2023, pp.186-187
- VIII. **Prediction of the Solar Radiation by using Machine Learning Algorithms**  
Yazıcı K., Geçici E., Şeker Ş.  
3rd International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 15 - 18 March 2023, pp.258-268
- IX. **Socio-economic Evaluation of Settlements with Machine Learning Approaches: The Case Study of İstanbul**  
Şimşir M., Geçici E.  
3rd International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 15 March 2023
- X. **Estimation of Health Insurance Premium Fees Payable by Individuals: An Application of United States**  
Geçici E., Soner Kara S.

41. Yöneylem Araştırması Endüstri Mühendisliği Kongresi, Denizli, Turkey, 26 - 28 October 2022, pp.56
- XI. **Filling Station Location Selection for Fuel Cell Vehicles**  
Gündüz S. B., Geçici E., Güler M. G.  
41. Yöneylem Araştırması Endüstri Mühendisliği Kongresi , Denizli, Turkey, 26 - 28 October 2022, pp.176
- XII. **Grid Based Risk Assessment of a Hydrogen Supply Chain**  
Geçici E., Güler M. G., Erdoğan A.  
World Hydrogen Energy Conference, İstanbul, Turkey, 26 - 30 June 2022, pp.1409-1411
- XIII. **Locating Hydrogen Refuelling Stations in İstanbul District**  
Geçici E., Güler M. G., Gündüz S. B.  
6th International Hydrogen Technologies Congress, Çanakkale, Turkey, 23 - 26 January 2022, pp.166-168
- XIV. **Design of Future Hydrogen Supply Chain: A Multi-Objective Model for Turkey**  
Geçici E., Erdoğan A., Güler M. G.  
TUBA World Conference on Energy Science and Technolcogy (TUBA WCEST – 2021), İstanbul, Turkey, 8 - 12 August 2021, pp.208-209
- XV. **Production Scheduling of a Natural Gas Power Plant**  
Güler M. G., Geçici E., Gündüz S. B.  
TUBA World Conference on Energy Science and Technolcogy (TUBA WCEST – 2021), İstanbul, Turkey, 8 - 12 August 2021, pp.216-217
- XVI. **Location Selection of Hydrogen Refueling Stations: An Istanbul Case**  
Geçici E., Güler M. G., Bilgiç T.  
TUBA World Conference on Energy Science and Technolcogy (TUBA WCEST – 2021), İstanbul, Turkey, 8 - 12 August 2021, pp.159-160
- XVII. **Sosyal Ağlarda Etki Maksimizasyonu: Karar Değişmeli Tamsayı Programlama Yaklaşımı**  
Edalı M., Keskin M. E., Geçici E., Güler M. G.  
40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 July 2021, pp.115-116
- XVIII. **Modeling Antibiotic Resistance In Turkey With System Dynamics Approach**  
Hasgül Z., Gül N. N., Geçici E.  
40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 July 2021, pp.112
- XIX. **Hidrojen Dolum İstasyonları Yerlerinin Belirlenmesi: İstanbul Örneği**  
Geçici E., Güler M. G., Bilgiç T.  
40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 July 2021, pp.44-45
- XX. **Bir Başka Sınav Çözgeleme Problemi: Bilinen Probleme Bilinen Çözümler**  
Güler M. G., Geçici E., Köroğlu T., Becit E.  
40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 July 2021, pp.85
- XXI. **POST-CAMPAIGN INVENTORY MANAGEMENT**  
Uzun K. K., Geçici E., Güler M. G.  
International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 22 - 25 February 2021, pp.212-214
- XXII. **Hydrogen Supply Network**  
Geçici E., Güler M. G.  
WESCE, İstanbul, Turkey, 26 - 28 August 2019, pp.1-2

## Supported Projects

Yüzer N., Yardım M. S., Turgut S., Yılmaz Genç S., Dikçınar Sel B., Erdem Okumuş D., Kılıç B., Özarpacı S., Bayrak O. C., Sakarya A., et al, Project Supported by Higher Education Institutions, Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması, 2023 - 2024

Aydın N., Tuzkaya U. R., Şeker Ş., Alp S., Geçici E., Özen H., Oğuztımur S., Edalı M., Manisa K., Ministry of Transport, Creating Sustainable and Smart Mobility Strategy and Action Plan, 2021 - 2023

Edalı M., Aydın N., Özkaya B., Hacar M., Özügül M. D., Demir Ö., Saraçoğlu A., Bakırman T., Alp S., Şeker Ş., et al, Ministry of

## **Metrics**

Publication: 38

Citation (WoS): 8

Citation (Scopus): 120

H-Index (WoS): 2

H-Index (Scopus): 6