

# MERVE GÜLER KESMEZ

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### International Researcher IDs

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### Learning Knowledge

#### Doctorate

2018 - 2023

Galatasaray University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey

#### Postgraduate

2016 - 2018

Galatasaray University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli),  
Turkey

#### Undergraduate

2011 - 2016

Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği  
Bölümü, Turkey

### Foreign Languages

French, C1 Advanced

English, B2 Upper Intermediate

### Dissertations

Postgraduate, Evaluation framework for the digital maturity model with hesitant fuzzy multi criteria decision making techniques, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği, 2018

### Academic Titles / Tasks

#### Research Assistant

2017 - Continues

Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği

### Supported Projects

1. BÜYÜKÖZKAN FEYZİOĞLU G., FEYZİOĞLU O., UZTÜRK BARAN D., GÜLER KESMEZ M., MUKUL TAYLAN E., Project

Supported by Higher Education Institutions, Dijital Sistemlerin Modellenmesi, Analizi ve Uygulamaları, 2023 - Continues

2. BÜYÜKÖZKAN FEYZİOĞLU G., UZTÜRK BARAN D., FEYZİOĞLU O., MUKUL E., GÜLER KESMEZ M., Project Supported by Higher Education Institutions, Dijital Dönüşüm Sistemlerinin Modellenmesi ve Endüstriyel Uygulamaları, 2021 - 2024

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

1. **A Survey of Digital Government: Science Mapping Approach, Application Areas, and Future Directions**  
GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G.  
Systems, vol.11, no.12, 2023 (SSCI)
2. **A combined hesitant fuzzy MCDM approach for supply chain analytics tool evaluation**  
BÜYÜKÖZKAN FEYZİOĞLU G., Guler M.  
APPLIED SOFT COMPUTING, vol.112, 2021 (SCI-Expanded)
3. **Smart watch evaluation with integrated hesitant fuzzy linguistic SAW-ARAS technique**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
MEASUREMENT, vol.153, 2020 (SCI-Expanded)
4. **Analysis of companies' digital maturity by hesitant fuzzy linguistic MCDM methods**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.38, no.1, pp.1119-1132, 2020 (SCI-Expanded)

## Articles Published in Other Journals

1. **Evaluation of Supply Chain Analytics with an Integrated Fuzzy MCDM Approach**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M., MUKUL E., GÖÇER F.  
BEYKOZ AKADEMİ DERGİSİ, pp.136-147, 2019 (Peer-Reviewed Journal)
2. **Lojistik 4.0 Teknolojilerinin Analizi için Metodolojik Yaklaşım**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
Girişimcilik ve İnovasyon Yönetimi Dergisi /Journal of Entrepreneurship and Innovation Management - JEIM, vol.8, pp.21-47, 2019 (Peer-Reviewed Journal)
3. **STRATEGIC ANALYSIS OF INTELLIGENT TRANSPORTATION SYSTEMS**  
MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
Beykoz Akademi Dergisi, pp.148-158, 2019 (Peer-Reviewed Journal)
4. **STRATEGY SELECTION FOR DIGITAL COMPANIES WITHAHP-VIKOR TECHNIQUES**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
Journal of Knowledge Economy and Knowledge Management, vol.14, no.1, pp.1-14, 2019 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **An Integrated Hesitant Fuzzy Linguistic MCDM Methods to Assess Smart City Solutions**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M., MUKUL TAYLAN E.  
in: Decision Making Using AI in Energy and Sustainability, , Editor, Springer, pp.221-232, 2023
2. **Hesitant Fuzzy Linguistic AHP: Strategic Analysis of Mobile Service Quality Model Using for Shopping Applications**  
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL TAYLAN E., GÜLER KESMEZ M.  
in: Analytic Hierarchy Process with Fuzzy Sets Extensions, , Editor, Springer, pp.201-223, 2023
3. **An Integrated Fuzzy QFD Methodology for Customer Oriented Multifunctional Power Bank Design**

- Büyüközkan Feyzioğlu G., Güler Kesmez M., Mukul E.  
in: Customer Oriented Product Design-Intelligent and Fuzzy Techniques, Cengiz Kahraman, Selçuk Çebi, Editor, Springer-Verlag , Aarau, pp.73-91, 2020
4. **An Integrated Fuzzy QFD Methodology for Customer Oriented Multifunctional Power Bank Design**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M., MUKUL E.  
in: Customer Oriented Product Design-Intelligent and Fuzzy Techniques, Kahraman, Cengiz, Çebi, Selçuk, Editor, Springer, pp.73-91, 2020
  5. **Strategic Renewable Energy Source Selection for Turkey with Hesitant Fuzzy MCDM Method**  
BÜYÜKÖZKAN FEYZİOĞLU G., KARABULUT Y., GÜLER KESMEZ M.  
in: Energy Management—Collective and Computational Intelligence with Theory and Applications, Cengiz Kahraman, Gülgün Kayakutlu, Editor, Springer, pp.229-250, 2018

#### Refereed Congress / Symposium Publications in Proceedings

1. **An Integrated Fuzzy MCDM Methodology for Assessment of 5G Solutions**  
GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G.  
Virtual International Academic Conference in 2023 (VIAC2023), Czech Republic, 27 October 2023, pp.147-155
2. **Evaluation of Critical Success Factors for Digital Education with Hesitant Fuzzy Linguistic MCDM Approach**  
MUKUL TAYLAN E., BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
International Conferences on Science and Technology Engineering Science and Technology, KARADAĞ, 30 August - 01 September 2023, pp.153-160
3. **Prioritization of Cybersecurity Strategies: A Hesitant Fuzzy Linguistic MCDM Approach**  
GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL TAYLAN E.  
International Conferences on Science and Technology Engineering Science and Technology, KARADAĞ, 30 August - 01 September 2023, pp.209-216
4. **Assessment of Sustainable Energy Resources with Hesitant Fuzzy Linguistic AHP-MULTIMOORA Methods**  
MUKUL TAYLAN E., GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G.  
Intelligent and Fuzzy Systems - Intelligence and Sustainable Future Proceedings of the INFUS 2023 Conference, İstanbul, Turkey, 22 - 24 August 2023, vol.759 LNNS, pp.285-292
5. **Assessment of Success Factors for AI Application in Supply Chain Management with Fuzzy SAW-MOORA Methods**  
GÜLER KESMEZ M., MUKUL TAYLAN E., BÜYÜKÖZKAN FEYZİOĞLU G.  
5th European Conference on Industrial Engineering and Operations Management, Roma, Italy, 25 July 2022
6. **Prioritization of Action Plans for Disaster Management using Hesitant Fuzzy Linguistic SAW-COPRAS Methods**  
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL TAYLAN E., GÜLER KESMEZ M.  
5th European Conference on Industrial Engineering and Operations Management, Roma, Italy, 25 July 2022
7. **Hesitant Fuzzy Linguistic Term Sets based AHP-ARAS Methodology for Assessment of Sustainability Action Areas**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M., MUKUL TAYLAN E.  
5th European Conference on Industrial Engineering and Operations Management, Roma, Italy, 25 July 2022
8. **Evaluation of Digital Solutions for Sustainable Cities with Fuzzy AHP-EDAS Methods**  
MUKUL TAYLAN E., GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G.  
5th European Conference on Industrial Engineering and Operations Management, Roma, Italy, 25 July 2022
9. **Digital Transformation Technology Evaluation in a post COVID-19 World with an Integrated Fuzzy SAW-ARAS Methodology**  
Güler Kesmez M., Mukul E., Büyüközkan Feyzioğlu G.  
33rd CECIIS, Dubrovnik, Croatia, 21 - 23 September 2022, pp.417-421

10. **Evaluation of Supply Chain Tools with Fuzzy AHP- COPRAS Methodology for Intelligent Supply Chain Management**  
Mukul E., Güler Kesmez M., Büyüközkan Feyzioğlu G.  
33rd CECIIS, Dubrovnik, Croatia, 21 - 23 September 2022, pp.423-429
11. **Using a Hesitant Fuzzy Decision-Making Approach to Logistics Partner Selection**  
Büyüközkan Feyzioğlu G., Güler Kesmez M.  
IAC-TLTS 2022, Praha, Czech Republic, 27 - 28 May 2022, pp.1-9
12. **Evaluation of Clean Energy Alternatives with Hesitant Fuzzy Linguistic MCDM Methods**  
MUKUL E., GÜLER KESMEZ M., Büyüközkan G.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.307, pp.325-332
13. **Evaluation of Sustainability for Turkey's Cities with Hesitant Fuzzy Linguistic MCDM Methods**  
MUKUL E., GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G.  
32. Central European Conference on Information and Intelligent Systems (CECIIS), Croatia, 13 - 15 October 2021, pp.309-314
14. **Assessing the Maturity for Digital Education with HFL DEMATEL-HFL ARAS Techniques**  
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M., MUKUL E.  
32. Central European Conference on Information and Intelligent Systems (CECIIS), Croatia, 13 - 15 October 2021, pp.303-307
15. **Assessment of logistics 4.0 technologies with a fuzzy MCDM methodology**  
GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.  
International Academic Conference on Engineering, Transport, IT and Artificial Intelligence, Viyana, Austria, 2 - 03 July 2021
16. **Prioritization of strategic goals for smart city governance with fuzzy MCDM techniques**  
MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
International Academic Conference on Engineering, Transport, IT and Artificial Intelligence, Viyana, Austria, 2 - 03 July 2021
17. **Business Intelligence System Selection with Hesitant Fuzzy Linguistic MCDM Methods**  
MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
International Conference on Data Science and Business Analytics, İstanbul, Turkey, 11 - 12 October 2019
18. **An Integrated Hesitant Fuzzy MCDM Methodology for Supply Chain Analytics Tool Selection**  
GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.  
International Conference on Data Science and Business Analytics, İstanbul, Turkey, 11 - 12 October 2019
19. **Digital technology assessment for healthcare logistics with fuzzy MCDM methods**  
MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER KESMEZ M.  
International Academic Conference on Engineering, Transport, IT and AI, Budapest, Hungary, 20 - 21 November 2020
20. **Evaluation of humanitarian logistics strategies with fuzzy SAW-EDAS methods**  
GÜLER KESMEZ M., BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.  
International Academic Conference on Engineering, Transport, IT and AI, Budapest, Hungary, 20 - 21 November 2020
21. **Evaluation of supply chain analytics maturity level with a hesitant fuzzy MCDM technique**  
Büyüközkan G., Güler M., MUKUL E.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.1076-1084
22. **Analysis of e-government strategies with hesitant fuzzy linguistic multi-criteria decision making techniques**  
Güler M., MUKUL E., Büyüközkan G.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.1068-1075
23. **Evaluation of smart health technologies with hesitant fuzzy MCDM methods**

- MUKUL E., Güler M., Büyüközkan G.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019,  
vol.1029, pp.1059-1067
24. **Evaluation of Digital Marketing Technologies with MCDM Methods**  
MUKUL E., BÜYÜKÖZCAN FEYZİOĞLU G., GÜLER KESMEZ M.  
6th International Conference on New Ideas in Management, Economics and Accounting, Paris, France, 19 - 21 April  
2019, pp.41-56
25. **Business Intelligence System Selection With AHP-VIKOR Methodology**  
GÜLER KESMEZ M., MUKUL E., BÜYÜKÖZCAN FEYZİOĞLU G.  
6th International Conference on New Ideas in Management, Economics and Accounting, Paris, France, 19 - 21 April  
2019
26. **Analysis of Digital Transformation Strategies with an Integrated Fuzzy AHP-Axiomatic Design  
Methodology**  
GÜLER KESMEZ M., BÜYÜKÖZCAN FEYZİOĞLU G.  
9th IFAC/IFIP/IFORS/IISE/INFORMS Conference on Manufacturing Modelling, Management and Control (IFAC  
MIM), Berlin, Germany, 28 - 30 August 2019, vol.52, pp.1186-1191
27. **Evaluation of Smart City Logistics Solutions with Fuzzy MCDM Methods**  
BÜYÜKÖZCAN FEYZİOĞLU G., MUKUL E., GÜLER M., FEYZİOĞLU O.  
16th International Logistics and Supply Chain Congress (LMSCM), Denizli, Turkey, 18 - 20 October 2018, pp.462-  
469
28. **Digital Transformation Maturity Assessment for Supply Chains**  
BÜYÜKÖZCAN FEYZİOĞLU G., GÜLER M., MUKUL E.  
16th International Logistics and Supply Chain Congress, Denizli, Turkey, 18 - 20 October 2018
29. **LOJİSTİK 4.0 İÇİN TEKNOLOJİ ANALİZİ VE SEÇİMİ**  
BÜYÜKÖZCAN FEYZİOĞLU G., GÜLER M.  
7. ULUSAL LOJİSTİK VE TEDARİK ZİNCİRİ KONGRESİ, Bursa, Turkey, 3 - 05 May 2018, pp.75-85
30. **Analysis of companies' digital maturity with hesitant fuzzy linguistic MCMD methods**  
Guler M., MUKUL E., Buyukozkan G.  
13th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), Belfast,  
United Kingdom, 21 - 24 August 2018, vol.11, pp.1074-1082
31. **Evaluation of smart cities with integrated hesitant fuzzy linguistic AHP-COPRAS method**  
MUKUL E., Guler M., Buyukozkan G.  
13th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), Belfast,  
United Kingdom, 21 - 24 August 2018, vol.11, pp.1184-1191
32. **Business Intelligence System Selection for Logistics Companies**  
GÜLER M., DURAN F., BÜYÜKÖZCAN FEYZİOĞLU G.  
15. International Logistics and Supply Chain Congress (LMSCM'2017), İstanbul, Turkey, 19 - 20 October 2017
33. **Hesitant Fuzzy Based TOPSIS Approachfor Smart Glass Evaluation**  
BÜYÜKÖZCAN FEYZİOĞLU G., GÜLER M.  
The 10th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT2017), VARŞOVA, Poland,  
11 - 15 September 2017
34. **A Hesitant Fuzzy Based TOPSIS Approach for Smart Glass Evaluation**  
BÜYÜKÖZCAN FEYZİOĞLU G., GÜLER M.  
10th Conference of the European-Society-for-Fuzzy-Logic-and-Technology (EUSFLAT) / 16th International  
Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN), Warszawa, Poland, 11 - 15 September  
2017, vol.641, pp.330-341
35. **Selection of Wearable Glasses In The Logistics Sector**  
BÜYÜKÖZCAN FEYZİOĞLU G., GÜLER M., UZTÜRK D.  
14. International Logistics and Supply Chain Congress (LMSCM'2016), İzmir, Turkey, 1 - 02 December 2016

## Metrics

Publication: 49

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H-Index (Scopus): 6

## Research Areas

Industrial Engineering