



ESİN MUKUL TAYLAN

ASST. PROF.

Email : emukul@gsu.edu.tr

Office Phone : [+90 212 227 4480](tel:+902122274480) Extension: 259

Fax Phone : [+90 212 259 2085](tel:+902122592085)

Address : Çırağan Caddesi No:36 34349 Ortaköy/İstanbul

International Researcher IDs

ScholarID: YfTbLEMAAAAJ

ORCID: 0000-0003-4835-8821

Publons / Web Of Science ResearcherID: AAC-1821-2020

ScopusID: 57204149302

Yoksis Researcher ID: 276149



Learning Knowledge

Doctorate
2018 - 2023

Galatasaray University, Fen Bilimleri Enstitüsü, 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

Dissertations

Doctorate, MODELING AND ANALYZING THE DIGITAL EDUCATION SYSTEMS, Galatasaray University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, Strategic analysis of smart city model and smart transportation with hesitant fuzzy MCDM, Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 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. **Metaverse-based education: literature review and a proposed framework**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL TAYLAN E.
Interactive Learning Environments, vol.32, no.10, pp.7468-7496, 2024 (SSCI)
2. **Digital transformation in education: A systematic review of education 4.0**
MUKUL TAYLAN E., BÜYÜKÖZKAN FEYZİOĞLU G.
Technological Forecasting and Social Change, vol.194, 2023 (SSCI)
3. **Health tourism strategy selection via SWOT analysis and integrated hesitant fuzzy linguistic AHP-MABAC approach**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E., Kongar E.
SOCIO-ECONOMIC PLANNING SCIENCES, vol.74, 2021 (SCI-Expanded)
4. **Evaluation of smart health technologies with hesitant fuzzy linguistic MCDM methods**
Buyukozkan G., MUKUL E.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.39, no.5, pp.6363-6375, 2020 (SCI-Expanded)
5. **A novel renewable energy selection model for United Nations' sustainable development goals**
BÜYÜKÖZKAN FEYZİOĞLU G., Karabulut Y., MUKUL E.
ENERGY, vol.165, pp.290-302, 2018 (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. **Evaluation of smart city logistics solutions with fuzzy MCDM methods**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.25, no.9, pp.1033-1040, 2019 (ESCI)
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)

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 FEYZİOĞLU G., GÜLER KESMEZ M., MUKUL E.
in: Customer Oriented Product Design-Intelligent and Fuzzy Techniques, Kahraman, Cengiz, Cebi, Selcuk, Editor, Springer, pp.73-91, 2020

Refereed Congress / Symposium Publications in Proceedings

1. **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
2. **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
3. **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
4. **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
5. **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
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 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
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. **Fuzzy MCDM Method to Evaluate Agile Supply Chain Success Factors**
Büyüközkan Feyzioğlu G., Mukul E.
IAC-TLTS 2022, Praha, Czech Republic, 27 - 28 May 2022, pp.1-7
11. **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

12. **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
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. **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
15. **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
16. **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
17. **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
18. **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
19. **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
20. **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
21. **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
22. **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
23. **Akıllı Sağlık Teknolojilerinin Değerlendirilmesi**
MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G.
39. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Eskişehir, Turkey, 12 - 14 June 2019, pp.50
24. **Evaluation of Digital Marketing Technologies with MCDM Methods**
MUKUL E., BÜYÜKÖZKAN 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., BÜYÜKÖZKAN FEYZİOĞLU G.
6th International Conference on New Ideas in Management, Economics and Accounting, Paris, France, 19 - 21 April 2019
26. **Akıllı Ulaşım Sistemlerinin Stratejik Analizi**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.
Uluslararası İstanbul Ulaşım Kongresi ve Fuarı, İstanbul, Turkey, 8 - 10 November 2018, pp.693-701
27. **Digital Transformation Maturity Assessment for Supply Chains**
BÜYÜKÖZKAN FEYZİOĞLU G., GÜLER M., MUKUL E.
16th International Logistics and Supply Chain Congress, Denizli, Turkey, 18 - 20 October 2018
28. **Evaluation of Smart City Logistics Solutions with Fuzzy MCDM Methods**
BÜYÜKÖZKAN 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
29. **SWOT Analysis of ITS for Istanbul, Turkey with Analytic Methods**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.
The 25th ITS World Congress, Kopenhagen, Denmark, 17 - 21 September 2018
30. **AKILLI ŞEHİRLER İÇİN DİJİTAL TEKNOLOJİLERİN ANALİZİ**
MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G.
38. Yöneyim Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Eskişehir, Turkey, 26 - 29 June 2018, pp.81
31. **AKILLI LOJİSTİK İÇİN ULAŞIM STRATEJİLERİ**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.
7. Ulusal Lojistik Ve Tedarik Zinciri Kongresi, Bursa, Turkey, 3 - 05 May 2018, pp.86-95
32. **Analysis of companies' digital maturity with hesitant fuzzy linguistic MCDM 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
33. **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
34. **AKILLI KENTSEL LOJİSTİK ÇÖZÜMLERİNİN BELİRLENMESİ**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.
Uluslararası İstanbul Ulaşım Kongresi ve Fuarı (TRANSİST 2017), İstanbul, Turkey, 2 - 04 November 2017
35. **SMART TRANSPORTATION STRATEGY SELECTION FOR LOGISTICS COMPANIES**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E.
15th international logistics and supply chain congress(LM SCM 2017), 19 - 20 October 2017
36. **Hesitant Fuzzy Linguistic VIKOR Method for e-Health Technology Selection**
GÜLER M., MUKUL E., BÜYÜKÖZKAN FEYZİOĞLU G.
The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 - 15 October 2017
37. **Hesitant Fuzzy Linguistic COPRAS Method for Marketing Strategy Selection**
MUKUL E., GÜLER M., BÜYÜKÖZKAN FEYZİOĞLU G.
The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 - 15 October 2017
38. **MARKETING STRATEGY SELECTION FOR LOGISTICS COMPANIES**
BÜYÜKÖZKAN FEYZİOĞLU G., MUKUL E., UZTÜRK D.
14th International Logistics and Supply Chain Congress (LM SCM'16), İzmir, Turkey, 20 - 21 October 2016

Metrics

Citation (WoS): 119

Citation (Scopus): 259

H-Index (WoS): 3

H-Index (Scopus): 5

Research Areas

Industrial Engineering