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Education

Doctorate 2012 - 2016	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey
Postgraduate 2008 - 2011	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey
Undergraduate 2003 - 2008	Kocaeli University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Afet olaylarında acil departman kapasitelerinin simülasyon tabanlı modellenmesi: Beklenen İstanbul depremi uygulaması, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Endüstri Mühendisliği, 2016

Postgraduate, Servis sistemlerinde kaynakların etkin kullanılmasına yönelik benzetim tabanlı optimizasyon, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Sistem Mühendisliği, 2011

Academic Titles / Tasks

Professor
2024 - Continues

Istanbul University, School of Transportation and Logistics, Department of
Transportation and Logistics

Associate Professor
2022 - 2024

Istanbul University, School of Transportation and Logistics, Department of
Transportation and Logistics

Associate Professor
2020 - 2022

Munzur University, Faculty Of Health Sciences, Department Of Emergency Aid And
Disaster Management

Associate Professor
2018 - 2020

Munzur University, Faculty Of Engineering, Department Of Industrial Engineering

Assistant Professor
2016 - 2018

Munzur University, Faculty Of Engineering, Department Of Industrial Engineering

Research Assistant PhD
2016 - 2016

Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of
Industry Engineering

Research Assistant
2012 - 2016

Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of
Industry Engineering

Research Assistant
2009 - 2016

Munzur University, Faculty Of Engineering, Department Of Industrial Engineering

Supported Projects

1. Gül M., Yücesan M., TUBITAK Project, Üretim Tesislerinin Mesleki Risk Değerlendirmesi İçin Katmanlı Çok Kriterli Karar Verme Kullanarak Özgün Bir Yaklaşımın Geliştirilmesi Ve Sektörde Uygulanması, 2022 - 2023
2. Gül M., Project Supported by Higher Education Institutions, Aralık değerli küresel bulanık küme uzantılı TOPSIS kullanılarak yeni bir hata türü ve etkileri analizi yaklaşımının geliştirilmesi ve uygulanması, 2020 - 2022
3. Güneri A. F., Taşkın A., Aydın N., Günel M. M., Gül M., Çelik E., Municipality, Afet olaylarında yaralıların acil servislere ulaştırılmasına yönelik rota optimizasyonu ve acil servis kapasitelerinin simülasyon tabanlı modellenmesi: Beklenen İstanbul depremi uygulaması, 2017 - 2019
4. Güneri A. F., Gül M., Project Supported by Higher Education Institutions, Afet olaylarında acil departman kapasitelerinin simülasyon tabanlı modellenmesi Beklenen İstanbul depremi uygulaması, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

1. **An interval type-2 fuzzy MARCOS modelling to assess performance effectiveness of survival craft on cargo ship**
AYDIN M., Camliyurt G., GÜL M., Sezer S. I., ÇELİK E., Akyüz E.
Ocean Engineering, vol.326, 2025 (SCI-Expanded)
2. **Evaluation of Green Deal compliance performance with a hybrid comparative multi-attribute decision model**
KARADAĞ M., GÜL M., Yucesan M., Ortiz-Barrrios M., Ishizaka A., Khan J.

Socio-Economic Planning Sciences, vol.98, 2025 (SCI-Expanded)

3. **The impact of occupational accidents on operating costs and occupational health and safety costs on the number of occupational accidents - an application in the aviation sector**
Topcu M. B., GÜL M., GÜNERİ A. F.
INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS, 2024 (SSCI)
4. **A comprehensive risk assessment framework for mooring risks at hydrocarbon berths using fuzzy rule-based Bayesian network and multi-attribute decision-making**
Demirel H., Başhan V., Yucesan M., GÜL M.
Stochastic Environmental Research and Risk Assessment, vol.38, no.11, pp.4393-4414, 2024 (SCI-Expanded)
5. **A comprehensive risk assessment framework for occupational health and safety in pharmaceutical warehouses using Pythagorean fuzzy Bayesian networks**
AYYILDIZ E., Erdogan M., GÜL M.
Engineering Applications of Artificial Intelligence, vol.135, 2024 (SCI-Expanded)
6. **Integrating discrete-event simulation and artificial intelligence for shortening bed waiting times in hospitalization departments during respiratory disease seasons**
Ortiz-Barrios M., Ishizaka A., Barbatı M., Arias-Fonseca S., Khan J., GÜL M., Yücesan M., Alfaro-Saiz J., Pérez-Aguilar A.
Computers and Industrial Engineering, vol.194, 2024 (SCI-Expanded)
7. **Application of IT2Fs-AHP and TOPSIS modeling for performance analysis of tank coatings in chemical tankers**
Tekeli M. M., Bal Beşikçi E., GÜL M., Akyüz E., Arslan Ö.
Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, vol.238, no.3, pp.622-632, 2024 (SCI-Expanded)
8. **A stratified Bayesian decision-making model for occupational risk assessment of production facilities**
GÜL M., Yucesan M., Karci C.
Engineering Applications of Artificial Intelligence, vol.133, 2024 (SCI-Expanded)
9. **A fuzzy Bayesian network risk assessment model for analyzing the causes of slow-down processes in two-stroke ship main engines**
Başhan V., Yucesan M., GÜL M., Demirel H.
Ships and Offshore Structures, vol.19, no.5, pp.670-686, 2024 (SCI-Expanded)
10. **An integrated hybrid MCDM approach to evaluate countries' COVID-19 risks**
Mete S., Yucesan M., GÜL M., Özceylan E.
Socio-Economic Planning Sciences, vol.90, 2023 (SCI-Expanded)
11. **A holistic failure modes and effects analysis for university plastic injection laboratory under Bayesian Network**
Yucesan M., GÜL M., Pamučar D.
Applied Soft Computing, vol.147, 2023 (SCI-Expanded)
12. **An assessment model for national sustainable development based on the hybrid DEA and modified TOPSIS techniques**
Lin S., Lo H., GÜL M.
Complex and Intelligent Systems, vol.9, no.5, pp.5449-5466, 2023 (SCI-Expanded)
13. **An integrated interval type-2 fuzzy BWM-MARCOS model for location selection of e-scooter sharing stations: The case of a university campus**
ALTAY B. C., ÇELİK E., OKUMUŞ A., BALIN A., GÜL M.
Engineering Applications of Artificial Intelligence, vol.122, 2023 (SCI-Expanded)
14. **How Will Autonomous Vehicles Decide in Case of an Accident? An Interval Type-2 Fuzzy Best–Worst Method for Weighting the Criteria from Moral Values Point of View**
ALTAY B. C., BOZTAŞ A. E., OKUMUŞ A., GÜL M., ÇELİK E.
Sustainability (Switzerland), vol.15, no.11, 2023 (SCI-Expanded)
15. **A comparative framework for criticality assessment of strategic raw materials in Turkey**

Göçmen Polat E., Yücesan M., GÜL M.

Resources Policy, vol.82, 2023 (SSCI)

16. **A Fuzzy Hybrid MCDM Approach for Assessing the Emergency Department Performance during the COVID-19 Outbreak**
Ortiz-Barrios M., Jaramillo-Rueda N., GÜL M., Yucesan M., Jiménez-Delgado G., Alfaro-Saíz J.
International Journal of Environmental Research and Public Health, vol.20, no.5, 2023 (SCI-Expanded)
17. **COVID-19 safe campus evaluation for universities by a hybrid interval type-2 fuzzy decision-making model**
Baskak D., Ozbey S., Yucesan M., Gul M.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.3, pp.8133-8153, 2023 (SCI-Expanded)
18. **Development and validation of a biological risk assessment tool among hospital personnel under COVID-19 pandemic conditions**
Khoshakhlagh A. H., Yazdanirad S., Saberi H. R., Motalebi Kashani M., Ghanaei Khaledabadi F., Mohammadi-Moghadam F., GÜL M.
PloS one, vol.18, no.5, 2023 (SCI-Expanded)
19. **Health, safety, and environmental failure evaluation by hybridizing fuzzy multi-attribute decision-making methods for maritime scrubber systems**
BAŞHAN V., Yucesan M., Demirel H., Gul M.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.9, 2022 (SCI-Expanded)
20. **Occupational Risk Assessment for Flight Schools: A 3,4-Quasirung Fuzzy Multi-Criteria Decision Making-Based Approach**
Gul M., AK M. F.
SUSTAINABILITY, vol.14, no.15, 2022 (SCI-Expanded)
21. **A multicriteria approach to integrating occupational safety & health performance and industry systems productivity in the context of aging workforce: A case study**
Ortiz-Barrios M., Silvera-Natera E., Petrillo A., Gul M., Yucesan M.
Safety Science, vol.152, 2022 (SCI-Expanded)
22. **An interval type-2 fuzzy enhanced best-worst method for the evaluation of ship diesel generator failures**
Yucesan M., Başhan V., Demirel H., Gul M.
Engineering Failure Analysis, vol.138, 2022 (SCI-Expanded)
23. **Control measure prioritization in Fine - Kinney-based risk assessment: a Bayesian BWM-Fuzzy VIKOR combined approach in an oil station**
Gul M., Yucesan M., Ak M. F.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.39, pp.59385-59402, 2022 (SCI-Expanded)
24. **A fuzzy hybrid decision-making framework for increasing the hospital disaster preparedness: The colombian case**
Ortiz-Barrios M., Gul M., Yucesan M., Alfaro-Sarmiento I., Navarro-Jimenez E., Jimenez-Delgado G.
INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol.72, 2022 (SCI-Expanded)
25. **Performance evaluation of Turkish Universities by an integrated Bayesian BWM-TOPSIS model**
Gul M., Yucesan M.
SOCIO-ECONOMIC PLANNING SCIENCES, vol.80, 2022 (SCI-Expanded)
26. **A Bayesian BWM and VIKOR-based model for assessing hospital preparedness in the face of disasters**
Saner H. S., Yucesan M., Gul M.
NATURAL HAZARDS, vol.111, no.2, pp.1603-1635, 2022 (SCI-Expanded)
27. **How Covid-19 pandemic and partial lockdown decisions affect air quality of a city? The case of Istanbul, Turkey**
ÇELİK E., Gul M.
Environment, Development and Sustainability, vol.24, no.2, pp.1616-1654, 2022 (SCI-Expanded)
28. **Occupational health, safety and environmental risk assessment in textile production industry**

through a Bayesian BWM-VIKOR approach

Ak M. F., Yucesan M., Gul M.

STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.36, no.2, pp.629-642, 2022 (SCI-Expanded)

29. **A calibrated Fuzzy Best-Worst-method to reinforce supply chain resilience during the COVID 19 pandemic**

Lopez C., Ishizaka A., GÜL M., Yucesan M., Valencia D.

JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.74, no.9, pp.1968-1991, 2022 (SCI-Expanded)

30. **Green supplier selection for textile industry: a case study using BWM-TODIM integration under interval type-2 fuzzy sets**

ÇELİK E., Yucesan M., Gul M.

Environmental Science and Pollution Research, vol.28, no.45, pp.64793-64817, 2021 (SCI-Expanded)

31. **Systems failure analysis using Z-number theory-based combined compromise solution and full consistency method**

Yousefi S., Valipour M., Gul M.

APPLIED SOFT COMPUTING, vol.113, 2021 (SCI-Expanded)

32. **Sustainable supplier evaluation and transportation planning in multi-level supply chain networks using multi-attribute- and multi-objective decision making**

Lo H., Liaw C., Gul M., Lin K.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.162, 2021 (SCI-Expanded)

33. **Extension of FEMA and SMUG models with Bayesian best-worst method for disaster risk reduction**

Yanilmaz S., Baskak D., Yucesan M., Gul M.

INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol.66, 2021 (SCI-Expanded)

34. **Fermatean fuzzy TOPSIS-based approach for occupational risk assessment in manufacturing**

Gul M., Lo H., Yucesan M.

COMPLEX & INTELLIGENT SYSTEMS, vol.7, no.5, pp.2635-2653, 2021 (SCI-Expanded)

35. **Failure modes and effects analysis based on neutrosophic analytic hierarchy process: method and application**

Yucesan M., Gul M.

SOFT COMPUTING, vol.25, no.16, pp.11035-11052, 2021 (SCI-Expanded)

36. **A multiple criteria decision-making approach for increasing the preparedness level of sales departments against COVID-19 and future pandemics: A real-world case**

Ortiz-Barrios M., Borrego-Areyanes A. A., Gomez-Villar I. D., De Felice F., Petrillo A., Gul M., Yucesan M.

INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol.62, 2021 (SCI-Expanded)

37. **Hazard identification, risk assessment and control for dam construction safety using an integrated BWM and MARCOS approach under interval type-2 fuzzy sets environment**

ÇELİK E., Gul M.

Automation in Construction, vol.127, 2021 (SCI-Expanded)

38. **A holistic FMEA approach by fuzzy-based Bayesian network and best-worst method**

Yucesan M., GÜL M., Celik E.

Complex and Intelligent Systems, vol.7, no.3, pp.1547-1564, 2021 (SCI-Expanded)

39. **A modified failure modes and effects analysis using interval-valued spherical fuzzy extension of TOPSIS method: case study in a marble manufacturing facility**

Gul M., Ak M. F.

SOFT COMPUTING, vol.25, no.8, pp.6157-6178, 2021 (SCI-Expanded)

40. **Hospital Location Selection: A Systematic Literature Review on Methodologies and Applications**

Gul M., GÜNERİ A. F.

MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2021, 2021 (SCI-Expanded)

41. **Hospital Preparedness Assessment against COVID-19 Pandemic: A Case Study in Turkish Tertiary Healthcare Services**

Gul M., Yucesan M.

- MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2021, 2021 (SCI-Expanded)
42. **Metaheuristic Approaches Integrated with ANN in Forecasting Daily Emergency Department Visits**
Pekel E., Gul M., ÇELİK E., Yousefi S.
Mathematical Problems in Engineering, vol.2021, 2021 (SCI-Expanded)
 43. **Preface**
Gul M., Mete S., Serin F., ÇELİK E.
Studies in Fuzziness and Soft Computing, vol.398, 2021 (SCI-Expanded)
 44. **Forecasting daily natural gas consumption with regression, time series and machine learning based methods**
Yucesan M., Pekel E., Çelik E., Gul M., Serin F.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021 (SCI-Expanded)
 45. **An FMEA-based TOPSIS approach under single valued neutrosophic sets for maritime risk evaluation: the case of ship navigation safety**
Bashan V., Demirel H., Gul M.
SOFT COMPUTING, vol.24, no.24, pp.18749-18764, 2020 (SCI-Expanded)
 46. **A manufacturing failure mode and effect analysis based on fuzzy and probabilistic risk analysis**
Gul M., Yucesan M., ÇELİK E.
Applied Soft Computing Journal, vol.96, 2020 (SCI-Expanded)
 47. **A fuzzy-based occupational health and safety risk assessment framework and a case study in an international port authority**
Gul M.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, vol.19, no.4, pp.161-175, 2020 (SCI-Expanded)
 48. **Evaluation of hospital disaster preparedness by a multi-criteria decision making approach: The case of Turkish hospitals**
Ortiz-Barrios M., Gul M., Lopez-Meza P., Yucesan M., Navarro-Jimenez E.
INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol.49, 2020 (SCI-Expanded)
 49. **Application of Pythagorean fuzzy AHP and VIKOR methods in occupational health and safety risk assessment: the case of a gun and rifle barrel external surface oxidation and colouring unit**
Gul M.
INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS, vol.26, no.4, pp.705-718, 2020 (SSCI)
 50. **Assessment of occupational risks from human health and environmental perspectives: a new integrated approach and its application using fuzzy BWM and fuzzy MAIRCA**
Gul M., Ak M. F.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.34, no.8, pp.1231-1262, 2020 (SCI-Expanded)
 51. **Emergency department network under disaster conditions: The case of possible major Istanbul earthquake**
Gul M., GÜNERİ A. F., Gunal M. M.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.71, no.5, pp.733-747, 2020 (SCI-Expanded)
 52. **A NOVEL RISK EVALUATION APPROACH FOR FREQUENTLY ENCOUNTERED RISKS IN SHIP ENGINE ROOMS**
Bashan V., Demirel H., Gul M.
BRODOGRADNJA, vol.71, no.2, pp.31-54, 2020 (SCI-Expanded)
 53. **Evaluating occupational health and safety service quality by SERVQUAL: a field survey study**
Demir P., Gul M., GÜNERİ A. F.
TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, vol.31, no.5-6, pp.524-541, 2020 (SSCI)
 54. **An integrated approach of best-worst method (bwm) and triangular fuzzy sets for evaluating driver behavior factors related to road safety**
Moslem S., Gul M., Farooq D., Celik E., Ghorbanzadeh O., Blaschke T.
Mathematics, vol.8, no.3, 2020 (SCI-Expanded)
 55. **Hospital service quality evaluation: an integrated model based on Pythagorean fuzzy AHP and fuzzy**

TOPSIS

Yucesan M., Gul M.

SOFT COMPUTING, vol.24, no.5, pp.3237-3255, 2020 (SCI-Expanded)

56. **Emergency department ergonomic design evaluation: A case study using fuzzy DEMATEL-focused two-stage methodology**
Gul M.
HEALTH POLICY AND TECHNOLOGY, vol.8, no.4, pp.365-376, 2019 (SSCI)
57. **A decision-support system based on Pythagorean fuzzy VIKOR for occupational risk assessment of a natural gas pipeline construction**
Mete S., Serin F., Oz N. E., Gul M.
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, vol.71, 2019 (SCI-Expanded)
58. **A fuzzy-based model for risk assessment of routes in oil transportation**
Gul M., GÜNERİ A. F., Nasirli S. M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.8, pp.4671-4686, 2019 (SCI-Expanded)
59. **Risk assessment for clearing and grading process of a natural gas pipeline project: An extended TOPSIS model with Pythagorean fuzzy sets for prioritizing hazards**
Oz N. E., Mete S., Serin F., Gul M.
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.25, no.6, pp.1615-1632, 2019 (SCI-Expanded)
60. **Pythagorean fuzzy VIKOR-based approach for safety risk assessment in mine industry**
Gul M., Ak M. F., GÜNERİ A. F.
JOURNAL OF SAFETY RESEARCH, vol.69, pp.135-153, 2019 (SSCI)
61. **An integrated best-worst and interval type-2 fuzzy TOPSIS methodology for green supplier selection**
Yucesan M., Mete S., Serin F., Celik E., Gul M.
Mathematics, vol.7, no.2, 2019 (SCI-Expanded)
62. **Measuring development levels of NUTS-2 regions in Turkey based on capabilities approach and multi-criteria decision-making**
Ozdemir Y., Gul M.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.128, pp.150-169, 2019 (SCI-Expanded)
63. **Performance comparison between ARIMAX, ANN and ARIMAX-ANN hybridization in sales forecasting for furniture industry Usporedba performansi modela ARIMAX, ANN i hibridizacije ARIMAX-ANN u predviđanju prodaje za industriju namještaja**
Yucesan M., Gul M., Celik E.
Drvna Industrija, vol.69, no.4, pp.357-370, 2018 (SCI-Expanded)
64. **Fuzzy rule-based Fine-Kinney risk assessment approach for rail transportation systems**
Gul M., Celik E.
Human and Ecological Risk Assessment, vol.24, no.7, pp.1786-1812, 2018 (SCI-Expanded)
65. **A comparative outline for quantifying risk ratings in occupational health and safety risk assessment**
Gul M., Ak M. F.
JOURNAL OF CLEANER PRODUCTION, vol.196, pp.653-664, 2018 (SCI-Expanded)
66. **A new Fine-Kinney-based risk assessment framework using FAHP-FVIKOR incorporation**
Gul M., Guven B., GÜNERİ A. F.
JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES, vol.53, pp.3-16, 2018 (SCI-Expanded)
67. **Application of Artificial Neural Networks to the prediction of out-of-plane response of infill walls subjected to shake table**
Onat O., Gul M.
SMART STRUCTURES AND SYSTEMS, vol.21, no.4, pp.521-535, 2018 (SCI-Expanded)
68. **A review of occupational health and safety risk assessment approaches based on multi-criteria decision-making methods and their fuzzy versions**
Gul M.
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.24, no.7, pp.1723-1760, 2018 (SCI-Expanded)

69. **Application of artificial neural networks using bayesian training rule in sales forecasting for furniture industry** *Primjena umjetnih neuronskih mreža uz pomoć Bayesova pravila učenja u predviđanju prodaje za industriju namještaja*
Yucesan M., Gul M., Celik E.
Drvna Industrija, vol.68, no.3, pp.219-228, 2017 (SCI-Expanded)
70. **A hybrid risk-based approach for maritime applications: The case of ballast tank maintenance**
Gul M., Celik E., Akyuz E.
Human and Ecological Risk Assessment, vol.23, no.6, pp.1389-1403, 2017 (SCI-Expanded)
71. **Assessment of occupational hazards and associated risks in fuzzy environment: A case study of a university chemical laboratory**
Ozdemir Y., Gul M., Celik E.
Human and Ecological Risk Assessment, vol.23, no.4, pp.895-924, 2017 (SCI-Expanded)
72. **Occupational health and safety risk assessment in hospitals: A case study using two-stage fuzzy multi-criteria approach**
Gul M., Ak M. F., GÜNERİ A. F.
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.23, no.2, pp.187-202, 2017 (SCI-Expanded)
73. **An artificial neural network-based earthquake casualty estimation model for Istanbul city**
Gul M., GÜNERİ A. F.
NATURAL HAZARDS, vol.84, no.3, pp.2163-2178, 2016 (SCI-Expanded)
74. **A state of the art literature review of VIKOR and its fuzzy extensions on applications**
Gul M., Celik E., AYDIN N., TAŞKIN GÜMÜŞ A., GÜNERİ A. F.
Applied Soft Computing Journal, vol.46, pp.60-89, 2016 (SCI-Expanded)
75. **A fuzzy multi criteria risk assessment based on decision matrix technique: A case study for aluminum industry**
Gul M., GÜNERİ A. F.
JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES, vol.40, pp.89-100, 2016 (SCI-Expanded)
76. **Emergency department performance evaluation by an integrated simulation and interval type-2 fuzzy MCDM-based scenario analysis**
Gul M., Celik E., Gumus A. T., GÜNERİ A. F.
European Journal of Industrial Engineering, vol.10, no.2, pp.196-223, 2016 (SCI-Expanded)
77. **Planning the future of emergency departments: Forecasting ed patient arrivals by using regression and neural network models**
Gul M., GÜNERİ A. F.
International Journal of Industrial Engineering : Theory Applications and Practice, vol.23, no.2, pp.137-154, 2016 (SCI-Expanded)
78. **Are Emergency Departments in Istanbul Ready for the Earthquakes? Past Experience and Suggestions for Future Preparedness from Employees' Viewpoint and the Literature**
Gul M., GÜNERİ A. F.
JOURNAL OF HOMELAND SECURITY AND EMERGENCY MANAGEMENT, vol.12, no.4, pp.967-983, 2015 (SSCI)
79. **A comprehensive review of multi criteria decision making approaches based on interval type-2 fuzzy sets**
Celik E., Gul M., AYDIN N., Gumus A. T., GÜNERİ A. F.
Knowledge-Based Systems, vol.85, pp.329-341, 2015 (SCI-Expanded)
80. **A comprehensive review of emergency department simulation applications for normal and disaster conditions**
Gul M., GÜNERİ A. F.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.83, pp.327-344, 2015 (SCI-Expanded)
81. **A computer simulation model to reduce patient length of stay and to improve resource utilization rate in an emergency department service system**
Gul M., GÜNERİ A. F.
International Journal of Industrial Engineering : Theory Applications and Practice, vol.19, no.5, pp.221-231, 2012

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Articles Published in Other Journals

1. **A risk assessment model with dependent failure modes for the manufacturing and design processes of medical equipment**
Lo H., GÜL M., Yucesan M., Liaw C.
International Journal on Interactive Design and Manufacturing, vol.18, no.6, pp.4059-4074, 2024 (ESCI)
2. **Integrated Approach Using Intuitionistic Fuzzy Multicriteria Decision-Making to Support Classifier Selection for Technology Adoption in Patients with Parkinson Disease: Algorithm Development and Validation**
Ortiz-Barrios M., Cleland I., Donnelly M., GÜL M., Yucesan M., Jimenez-Delgado G. I., Nugent C., Madrid-Sierra S.
JMIR REHABILITATION AND ASSISTIVE TECHNOLOGIES, vol.11, 2024 (ESCI)
3. **An integrated Bayesian Best-Worst Method and GIS-based approach for offshore wind power plant site selection: A case study in Marmara Sea and North Aegean Coasts (Turkey)**
Konurhan Z., Yucesan M., Gül M.
Türk Coğrafya Dergisi, vol.82, pp.7-22, 2023 (Peer-Reviewed Journal)
4. **Evaluation of service quality in the airline industry: The case of Turkey and Azerbaijan**
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Academic and Administrative Experience

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2020 - 2022	Head of Department	Munzur University, Faculty Of Health Sciences, Department Of Emergency Aid And Disaster Management

Supervised Theses

- Gül M., Üretim tesislerinin risk analizi için katmanlı BWM ve TOPSIS tabanlı bir yaklaşımın geliştirilmesi ve sektörde bir uygulama, Postgraduate, C.KARCI(Student), 2023
- Gül M., Selection of Sustainable Construction Material Using Integrated Multi-Criteria Decision-Making Methods, Postgraduate, R.ALKAN(Student), 2021
- Gül M., A holistic model based on Bayesian BWM and VIKOR for hospital disaster preparedness, Postgraduate, H.Serdar(Student), 2021
- Gül M., A two-stage methodology for solar power plant location selection: The case of tunceli province, Postgraduate, Y.Emre(Student), 2020

Activities in Scientific Journals

- Journal of Healthcare Engineering, Committee Member, 2022 - Continues
- TOXICS, Special Issue Editor, 2022 - Continues
- World, Special Issue Editor, 2022 - Continues
- Düzce Üniversitesi Bilim ve Teknoloji Dergisi, Scientific Committee Membership, 2021 - Continues
- International Journal of Pure and Applied Sciences, Committee Member, 2021 - Continues
- Journal of Operational Research for Engineering Management Studies, Scientific Committee Membership, 2021 - Continues
- Frontiers in Sustainability | Modeling and Optimization for Decision Support, Committee Member, 2021 - Continues
- COMPLEX & INTELLIGENT SYSTEMS, Committee Member, 2020 - Continues
- Journal of Transportation and Logistics, Scientific Committee Membership, 2020 - Continues
- Mathematical Problems In Engineering, Committee Member, 2020 - Continues
- Management and Organizational Studies, Scientific Committee Membership, 2018 - Continues
- Mathematical Problems In Engineering, Special Issue Editor, 2020 - 2021
- Mathematical Problems In Engineering, Special Issue Editor, 2020 - 2021

Tasks In Event Organizations

- Gül M., The 8th Asia Conference on Earthquake Engineering (8ACEE), Scientific Congress, Taipei, Taiwan, Kasım 2022
- Gül M., 4th Global Conference on Innovation in Marine Technology and The Future of Maritime Transportation (GMC'21), Scientific Congress, Turkey, Kasım 2021
- Gül M., 5. Ulaştırma ve Lojistik Ulusal Kongresi (ULUK2021), Scientific Congress, Bartın, Turkey, Ekim 2021
- Gül M., 18th International Logistics and Supply Chain Congress (LMSCM2020), Scientific Congress, Gaziantep, Turkey, Ekim 2020
- Gül M., International Design and Engineering Symposium (IDES'19), Scientific Congress, İzmir, Turkey, Ekim 2019
- Gül M., 4th International Regional Development Conference (IRDC'17), Scientific Congress, Tunceli, Turkey, Eylül 2017
- Gül M., 2016 Spring Simulation Multi-conference (SpringSim'16), Scientific Congress, California, United States Of America, Nisan 2016
- Gül M., 4th International Fuzzy Systems Symposium (FUZZYSS'15), Scientific Congress, İstanbul, Turkey, Kasım 2015

Metrics

Publication: 177

Citation (WoS): 2852

Citation (Scopus): 3740

H-Index (WoS): 32

H-Index (Scopus): 35

Research Areas

Industrial Engineering, Simulation, Ergonomics and Occupational Safety