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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Türkiye 2011 - 2015

Yüksek Lisans, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Türkiye 2008 - 2011

Lisans, Selçuk Üniversitesi, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği, Türkiye 2004 - 2008

Araştırma Alanları

Endüstri Mühendisliği, Karar Kuramı, Tedarik Zinciri ve Lojistik Yönetimi

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Üniversitesi, Ulaştırma ve Lojistik Fakültesi, Ulaştırma ve Lojistik Bölümü, 2020 - Devam Ediyor

Doç.Dr., Munzur Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - 2020

Dr.Öğr.Üyesi, Munzur Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2016 - 2018

Araştırma Görevlisi, Munzur Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2009 - 2016

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Endüstri Müh.Bölümü, 2012 - 2015

Mesleki Deneyim

Anabilim/Bilim Dalı Başkanı, Munzur Üniversitesi, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi Anabilim Dalı (Disiplinlerarası), 2019 - 2020

Bölüm Başkanı, Munzur Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2019 - 2020

Enstitü Müdür Yardımcısı, Munzur Üniversitesi, Fen Bilimleri Enstitüsü, 2016 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **A manufacturing failure mode and effect analysis based on fuzzy and probabilistic risk analysis**
Gul M., Yucesan M., ÇELİK E.
Applied Soft Computing Journal, cilt.96, 2020 (SCI Expanded İndekslerine Giren Dergi)
- **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, cilt.8, 2020 (SCI İndekslerine Giren Dergi)
- **An efficient algorithm for U-type assembly line re-balancing problem with stochastic task times**
Serin F., Mete S., Çelik E.
Assembly Automation, cilt.39, ss.581-595, 2019 (SCI İndekslerine Giren Dergi)

● **ANN and ANFIS Approaches to Calculate the Heating and Cooling Degree Day Values: The Case of Provinces in Turkey**

Işık E., İnallı M., Celik E.

Arabian Journal for Science and Engineering, cilt.44, ss.7581-7597, 2019 (SCI İndekslerine Giren Dergi)

● **Supply-driven rebalancing of disassembly lines: A novel mathematical model approach**

Mete S., Çil Z. A. , Celik E., Ozceylan E.

Journal of Cleaner Production, cilt.213, ss.1157-1164, 2019 (SCI İndekslerine Giren Dergi)

● **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, cilt.7, 2019 (SCI İndekslerine Giren Dergi)

● **An interval type-2 fuzzy QUALIFLEX approach to measure performance effectiveness of ballast water treatment (BWT) system on-board ship**

Demirel H., Akyüz E., Celik E., ALARÇİN F.

Ships and Offshore Structures, cilt.14, ss.675-683, 2019 (SCI İndekslerine Giren Dergi)

● **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, cilt.69, ss.357-370, 2018 (SCI İndekslerine Giren Dergi)

● **A quantitative risk analysis by using interval type-2 fuzzy FMEA approach: the case of oil spill**

Akyüz E., Celik E.

Maritime Policy and Management, cilt.45, ss.979-994, 2018 (SSCI İndekslerine Giren Dergi)

● **Fuzzy rule-based Fine-Kinney risk assessment approach for rail transportation systems**

Gul M., Celik E.

Human and Ecological Risk Assessment, cilt.24, ss.1786-1812, 2018 (SCI İndekslerine Giren Dergi)

● **An interval type-2 fuzzy AHP and TOPSIS methods for decision-making problems in maritime transportation engineering: The case of ship loader**

Celik E., Akyüz E.

Ocean Engineering, cilt.155, ss.371-381, 2018 (SCI İndekslerine Giren Dergi)

● **The role of human factor in maritime environment risk assessment: A practical application on Ballast Water Treatment (BWT) system in ship**

Akyuz E., Celik E.

Human and Ecological Risk Assessment, cilt.24, ss.653-666, 2018 (SCI İndekslerine Giren Dergi)

● **A practical application of human reliability assessment for operating procedures of the emergency fire pump at ship**

Akyuz E., Celik E., Çelik M.

Ships and Offshore Structures, cilt.13, ss.208-216, 2018 (SCI İndekslerine Giren Dergi)

● **A fuzzy dematel model proposal for the cause and effect of the fault occurring in the auxiliary systems of the ships' main engine**

BALIN A., Demirel H., CELIK E., ALARÇİN F.

Transactions of the Royal Institution of Naval Architects Part A: International Journal of Maritime Engineering, cilt.160, ss.141-153, 2018 (SCI Expanded İndekslerine Giren Dergi)

● **An assessment approach for non-governmental organizations in humanitarian relief logistics and an application in Turkey**

Celik E., TAŞKIN GÜMÜŞ A.

Technological and Economic Development of Economy, cilt.24, ss.1-26, 2018 (SSCI İndekslerine Giren Dergi)

● **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**

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- **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, cilt.23, ss.1389-1403, 2017 (SCI İndekslerine Giren Dergi)
- **A cause and effect relationship model for location of temporary shelters in disaster operations management**
Celik E.
International Journal of Disaster Risk Reduction, cilt.22, ss.257-268, 2017 (SCI İndekslerine Giren Dergi)
- **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, cilt.23, ss.895-924, 2017 (SCI İndekslerine Giren Dergi)
- **An integral based fuzzy approach to evaluate waste materials for concrete**
Onat O., Celik E.
Smart Structures and Systems, cilt.19, ss.323-333, 2017 (SCI İndekslerine Giren Dergi)
- **Identifying key factors of rail transit service quality: An empirical analysis for Istanbul**
Işıklı E., AYDIN N., Celik E., Gumus A. T.
Journal of Public Transportation, cilt.20, ss.63-90, 2017 (SSCI İndekslerine Giren Dergi)
- **Application of AHP and VIKOR methods under interval type 2 fuzzy environment in maritime transportation**
Söner Ö., Celik E., Akyuz E.
Ocean Engineering, cilt.129, ss.107-116, 2017 (SCI İndekslerine Giren Dergi)
- **An outranking approach based on interval type-2 fuzzy sets to evaluate preparedness and response ability of non-governmental humanitarian relief organizations**
Celik E., TAŞKIN GÜMÜŞ A.
Computers and Industrial Engineering, cilt.101, ss.21-34, 2016 (SCI İndekslerine Giren Dergi)
- **A new extension of the ELECTRE method based upon interval type-2 fuzzy sets for green logistic service providers evaluation <http://compass.astm.org/download/JTE20140046.33601.pdf>**
Celik E., Gumus A. T. , Erdogan M.
Journal of Testing and Evaluation, cilt.44, ss.1813-1827, 2016 (SCI İndekslerine Giren Dergi)
- **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, cilt.46, ss.60-89, 2016 (SCI İndekslerine Giren Dergi)
- **A modified human reliability analysis for cargo operation in single point mooring (SPM) off-shore units**
Akyuz E., Celik E.
Applied Ocean Research, cilt.58, ss.11-20, 2016 (SCI İndekslerine Giren Dergi)
- **An extended fuzzy TOPSIS–GRA method based on different separation measures for green logistics service provider selection**
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International Journal of Environmental Science and Technology, cilt.13, ss.1377-1392, 2016 (SCI İndekslerine Giren Dergi)
- **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, cilt.10, ss.196-223, 2016 (SCI İndekslerine Giren Dergi)
- **Application of interval type-2 fuzzy sets DEMATEL methods in maritime transportation: The case of ship collision**
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Transactions of the Royal Institution of Naval Architects Part A: International Journal of Maritime Engineering, cilt.158, ss.359-371, 2016 (SCI İndekslerine Giren Dergi)
- **A fuzzy DEMATEL method to evaluate critical operational hazards during gas freeing process in**

crude oil tankers

Akyuz E., Celik E.

Journal of Loss Prevention in the Process Industries, cilt.38, ss.243-253, 2015 (SCI İndekslerine Giren Dergi)

A hierarchical customer satisfaction framework for evaluating rail transit systems of Istanbul

AYDIN N., Celik E., Gumus A. T.

Transportation Research Part A: Policy and Practice, cilt.77, ss.61-81, 2015 (SCI İndekslerine Giren Dergi)

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, cilt.85, ss.329-341, 2015 (SCI İndekslerine Giren Dergi)

A multiattribute customer satisfaction evaluation approach for rail transit network: A real case study for Istanbul, Turkey

Celik E., AYDIN N., Gumus A. T.

Transport Policy, cilt.36, ss.283-293, 2014 (SSCI İndekslerine Giren Dergi)

A new approach for rebalancing of U-lines with stochastic task times using ant colony optimisation algorithm

Celik E., Kara Y., Atasagun Y.

International Journal of Production Research, cilt.52, ss.7262-7275, 2014 (SCI İndekslerine Giren Dergi)

A trapezoidal type-2 fuzzy MCDM method to identify and evaluate critical success factors for humanitarian relief logistics management

Celik E., Gumus A. T. , Alegoz M.

Journal of Intelligent and Fuzzy Systems, cilt.27, ss.2847-2855, 2014 (SCI İndekslerine Giren Dergi)

An integrated novel interval type-2 fuzzy MCDM method to improve customer satisfaction in public transportation for Istanbul

Celik E., BİLİŞİK Ö. N. , Erdogan M., Gumus A. T. , BARAÇLI H.

Transportation Research Part E: Logistics and Transportation Review, cilt.58, ss.28-51, 2013 (SCI İndekslerine Giren Dergi)

A combined fuzzy-AHP and fuzzy-GRA methodology for hydrogen energy storage method selection in Turkey

Gumus A. T. , Yesim Yayla A., Çelik E., Yildiz A.

Energies, cilt.6, ss.3017-3032, 2013 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

Preface

Gul M., Mete S., Serin F., ÇELİK E.

Studies in Fuzziness and Soft Computing, cilt.398, 2021 (ESCI İndekslerine Giren Dergi)

An exhaustive review and analysis on applications of statistical forecasting in hospital emergency departments

Gul M., Celik E.

Health Systems, 2018 (ESCI İndekslerine Giren Dergi)

Kitap & Kitap Bölümleri

Fine-Kinney-Based Fuzzy Multi-criteria Occupational Risk Assessment

Gül M. (Editör), Mete S. (Editör), Serin F. (Editör), Çelik E. (Editör)

Springer, London/Berlin , Berlin, 2021

Computational Intelligence and Soft Computing Applications in Healthcare Management Science

Gül M. (Editör), Çelik E. (Editör), Mete S. (Editör), Serin F. (Editör)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **A risk assessment approach using both stochastic data and subjective judgments**
Mete S., Oz N. E. , Gul M., Serin F., Celik E.
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Türkiye, 23 - 25 Temmuz 2019, cilt.1029, ss.1104-1111
- **An ann and ga approach for demand forecasting and routing for cash management**
Gumus A. T. , Celik E., Ömerustaoğlu F.
14th International Symposium on Operational Research, SOR 2017, Bled, Slovenya, 27 - 29 Eylül 2017, ss.207-213
- **Forecasting daily patient visits in an emergency department by ga-ann hybrid approach**
Pekel E., Gul M., Celik E.
14th International Symposium on Operational Research, SOR 2017, Bled, Slovenya, 27 - 29 Eylül 2017, ss.473-478
- **An intuitionistic fuzzy approach for evaluating service quality of public transportation systems**
Celik E., Gumus A. T. , AYDIN N.
Uncertainty Modelling in Knowledge Engineering and Decision Making - 12th International Fuzzy Logic and Intelligent Technologies in Nuclear Science Conference, FLINS 2016, Roubaix, Fransa, 24 - 26 Ağustos 2016, ss.936-942
- **Passenger satisfaction evaluation for rail transit lines in Istanbul using qualiflex approach based on interval type-2 trapezoidal fuzzy numbers**
TAŞKIN GÜMÜŞ A., AYDIN N., Celik E.
Joint International Symposium on "The Social Impacts of Developments in Information, Manufacturing and Service Systems" 44th International Conference on Computers and Industrial Engineering, CIE 2014 and 9th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2014, İstanbul, Türkiye, 14 - 16 Ekim 2014, ss.343-357
- **Performance evaluation of Turkish retail firms using the fuzzy AHP, PROMETHEE, ELECTRE and VIKOR methods**
BÖLÜKBAŞ U., Çelik E., GÜNERİ A. F.
10th International Fuzzy Logic and Intelligent Technologies in Nuclear Science Conference, FLINS 2012, İstanbul, Türkiye, 26 - 29 Ağustos 2012, cilt.7, ss.243-248

Bilimsel Dergilerdeki Faaliyetler

International Journal of Pure and Applied Sciences, Editörler Kurulu Üyesi, 2019 - Devam Ediyor

Bilimsel Hakemlikler

HUMAN AND ECOLOGICAL RISK ASSESSMENT, SCI-E Kapsamındaki Dergi, Temmuz 2020

COMPUTERS & INDUSTRIAL ENGINEERING, SCI-E Kapsamındaki Dergi, Temmuz 2020

APPLIED SOFT COMPUTING, SCI-E Kapsamındaki Dergi, Temmuz 2019

Atıflar

Toplam Atıf Sayısı (WOS):854

h-indeksi (WOS):16