

Prof. Alev TAŞKIN

Personal Information

Email: ataskin@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/arastirma-grubu/aiboss>

Address: Yıldız Teknik Üniversitesi Makine Fakültesi Endüstri Mühendisliği Bölümü A Blok 1. Kat Ofis No: A-117 34349 Beşiktaş/İstanbul

International Researcher IDs

ScholarID: ecO_4IsAAAAJ

ORCID: 0000-0003-1803-9408

Publons / Web Of Science ResearcherID: E-3878-2017

ScopusID: 23396453200

Yoksis Researcher ID: 173794

Education Information

Post Doctorate, MIT-Zaragoza Logistics Center, Research Institute, Emergency Logistics, Spain 2010 - 2010

Doctorate, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, Turkey 2003 - 2007

Postgraduate, Istanbul Technical University, İşletme, İşletme, Turkey 2001 - 2004

Postgraduate, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, Turkey 2001 - 2003

Undergraduate, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Industrial Engineering, Optimization Theory and Methods, Ergonomics and Occupational Safety, Decision Theory, Supply Chain and Logistics Management, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2017 - Continues

Professor, Fachhochschule Harz, Faculty of Automation & Computer Science, Data Science, 2022 - 2022

Associate Professor, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2011 - 2017

Assistant Professor, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2008 - 2011

Researcher, MIT-Zaragoza Logistics Center, Research Institute, Emergency Logistics, 2010 - 2010

Lecturer PhD, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2007 - 2008

Academic and Administrative Experience

YTÜ Temiz Enerji Teknolojileri Enstitüsü Enstitü Kurulu Üyesi, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, 2023 - Continues

Coordinator of The Rectorate, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, 2017 - 2021

Deputy Head of Department, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering, 2013 - 2017

Advising Theses

Taşkın Gümüş A., Heterojen Filolu Milk-Run ve Konsolide Çapraz Sevkiyatlı Tedarik Zinciri Dağıtım Ağının Optimizasyonu ve Özelleştirilmiş Genetik Algoritma ile Modellenmesi, Doctorate, Y.KOCAOĞLU(Student), 2020

Taşkın Gümüş A., Belirsizlik Altında İnsani Yardım Organizasyonlarının Performanslarının ve Lojistik Ağ Yapılarının İyileştirilmesi için Çözüm Yaklaşımları, Doctorate, E.ÇELİK(Student), 2016

Taşkın Gümüş A., Havayolu Gelir Yönetiminde Talep Tahmini ve Yönetimi, Doctorate, E.GÖZE(Student), 2015

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, November, 2021

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, November, 2020

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, February, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel seismic vulnerability assessment for the urban roadway by using interval valued fermatean fuzzy analytical hierarchy process**
Yildirim A. K., Kavus B. Y., Karaca T. K., Bozbey İ., Taşkın A.
NATURAL HAZARDS, vol.120, no.9, pp.1-24, 2024 (SCI-Expanded)
- II. **A Comparative Investigation of Random Forest Regression and Artificial Neural Networks for Predicting Crack Growth Life of a Fighter Aircraft Wing Joint Under Spectrum Loading**
Yüce Z., Yayla P., Taşkın A.
DEFENCE SCIENCE JOURNAL, vol.74, no.1, pp.119-126, 2024 (SCI-Expanded)
- III. **An interval valued Pythagorean fuzzy AHP integrated quality function deployment methodology for hazelnut production in Turkey**
AYYILDIZ E., YILDIZ A., TAŞKIN A., ÖZKAN C.
Expert Systems with Applications, vol.231, 2023 (SCI-Expanded)
- IV. **Deep learning and stereo vision based detection of post-earthquake fire geolocation for smart cities within the scope of disaster management: İstanbul case**
Kustu T., Taskin A.
INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol.96, pp.1-16, 2023 (SCI-Expanded)
- V. **A comparative Bayesian optimization-based machine learning and artificial neural networks approach for burned area prediction in forest fires: an application in Turkey**
Yazıcı K., Taşkın A.

NATURAL HAZARDS, vol.1, pp.1-30, 2023 (SCI-Expanded)

- VI. **A hybrid Bayesian BWM and Pythagorean fuzzy WASPAS-based decision-making framework for parcel locker location selection problem.**
Yalcin Kavus B., Ayyildiz E., Gulum Tas P., Taskin A.
Environmental science and pollution research international, vol.30, no.39, pp.90006-90023, 2023 (SCI-Expanded)
- VII. **A comparative neural networks and neuro-fuzzy based REBA methodology in ergonomic risk assessment: An application for service workers**
Yalçın Kavuş B., Gülüm Taş P., Taşkın A.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.123, no.Part B, pp.1-17, 2023 (SCI-Expanded)
- VIII. **Assembly area risk assessment methodology for post-flood evacuation by integrated neutrosophic AHP-CODAS**
Sahmutoglu I., Taşkın A., Ayyildiz E.
NATURAL HAZARDS, vol.116, no.1, pp.1071-1103, 2023 (SCI-Expanded)
- IX. **k-best feature selection and ranking via stochastic approximation**
Akman D. V., Malekipirbazari M., Yenice Z. D., Yeo A., Adhikari N., Wong Y. K., Abbasi B., Taşkın A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.213, no.Part A, pp.1-53, 2023 (SCI-Expanded)
- X. **Artificial neural networks integrated mixed integer mathematical model for multi-fleet heterogeneous time-dependent cash in transit problem with time windows**
AYYILDIZ E., TAŞKIN A., YILDIZ A., ÖZKAN C.
NEURAL COMPUTING & APPLICATIONS, vol.34, no.24, pp.21891-21909, 2022 (SCI-Expanded)
- XI. **A novel spherical fuzzy AHP-VIKOR methodology to determine serving petrol station selection during COVID-19 lockdown: A pilot study for İstanbul**
Ayyildiz E., Taşkın A.
SOCIO-ECONOMIC PLANNING SCIENCES, vol.83, pp.1-17, 2022 (SCI-Expanded)
- XII. **An integrated interval-valued intuitionistic fuzzy AHP-TOPSIS methodology to determine the safest route for cash in transit operations: a real case in Istanbul**
YILDIZ A., GÜNERİ A. F., ÖZKAN C., AYYILDIZ E., TAŞKIN A.
Neural Computing and Applications, vol.34, no.18, pp.15673-15688, 2022 (SCI-Expanded)
- XIII. **Humanitarian Relief Supply Chain Performance Evaluation by a Scor Based Trapezoidal Type-2 Fuzzy Multi Criteria Decision Making Methodology: An Application in Turkey**
Ayyildiz E., Taşkın A.
SCIENTIA IRANICA INTERNATIONAL JOURNAL OF SCIENCE & TECHNOLOGY, vol.29, no.4, pp.2069-2083, 2022 (SCI-Expanded)
- XIV. **A three-level framework to evaluate airline service quality based on interval valued neutrosophic AHP considering the new dimensions**
Yalcin Kavus B., Gulum Tas P., AYYILDIZ E., TAŞKIN A.
Journal of Air Transport Management, vol.99, 2022 (SSCI)
- XV. **Evaluation of quality expectations for intercity bus firms by interval type-2 trapezoidal fuzzy AHP and firm selection**
Yıldız A., Ayyıldız E., Taşkın A., Özkan C.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.37, no.2, pp.757-770, 2022 (SCI-Expanded)
- XVI. **Selection of suitable parking lot sites in megacities: A case study for four districts of Istanbul**
Demir S., BAŞARANER A. M., TAŞKIN A.
Land Use Policy, vol.111, 2021 (SSCI)
- XVII. **Interval valued intuitionistic fuzzy AHP-WASPAS based public transportation service quality evaluation by a new extension of SERVQUAL Model: P-SERVQUAL 4.0**
Tumsekcali E., AYYILDIZ E., Taskin A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.186, 2021 (SCI-Expanded)
- XVIII. **Forecasting COVID-19 recovered cases with Artificial Neural Networks to enable designing an effective blood supply chain**

- AYYILDIZ E., Erdogan M., TAŞKIN A.
Computers in Biology and Medicine, vol.139, 2021 (SCI-Expanded)
- XIX. **A Pythagorean fuzzy number-based integration of AHP and WASPAS methods for refugee camp location selection problem: a real case study for Istanbul, Turkey**
AYYILDIZ E., Erdogan M., TAŞKIN GÜMÜŞ A.
Neural Computing and Applications, vol.33, no.22, pp.15751-15768, 2021 (SCI-Expanded)
- XX. **A two level interval valued neutrosophic AHP integrated TOPSIS methodology for post-earthquake fire risk assessment: An application for Istanbul**
Gulum P., AYYILDIZ E., TAŞKIN GÜMÜŞ A.
International Journal of Disaster Risk Reduction, vol.61, 2021 (SCI-Expanded)
- XXI. **Pythagorean fuzzy AHP based risk assessment methodology for hazardous material transportation: an application in Istanbul**
AYYILDIZ E., TAŞKIN GÜMÜŞ A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.27, pp.35798-35810, 2021 (SCI-Expanded)
- XXII. **A novel distance learning ergonomics checklist and risk evaluation methodology: A case of Covid-19 pandemic**
AYYILDIZ E., TAŞKIN GÜMÜŞ A.
Human Factors and Ergonomics In Manufacturing, vol.31, no.4, pp.397-411, 2021 (SCI-Expanded)
- XXIII. **A Framework to Prioritize the Public Expectations from Water Treatment Plants based on Trapezoidal Type-2 Fuzzy Ahp Method**
Yıldız A., Ayyıldız E., Taşkın Gümüş A., Özkan C.
ENVIRONMENTAL MANAGEMENT, vol.67, no.3, pp.439-448, 2021 (SCI-Expanded)
- XXIV. **An Integrated Methodology Using Extended Swara and Dea for the Performance Analysis of Wastewater Treatment Plants: Turkey Case**
Ayyıldız E., Yıldız A., Taşkın Gümüş A., Özkan C.
ENVIRONMENTAL MANAGEMENT, vol.67, no.3, pp.449-467, 2021 (SCI-Expanded)
- XXV. **Interval-valued Pythagorean fuzzy AHP method-based supply chain performance evaluation by a new extension of SCOR model: SCOR 4.0**
Ayyıldız E., Taşkın Gümüş A.
COMPLEX & INTELLIGENT SYSTEMS, vol.7, no.1, pp.559-576, 2021 (SCI-Expanded)
- XXVI. **Individual credit ranking by an integrated interval type-2 trapezoidal fuzzy Electre methodology**
AYYILDIZ E., TAŞKIN GÜMÜŞ A., Erkan M.
SOFT COMPUTING, vol.24, no.21, pp.16149-16163, 2020 (SCI-Expanded)
- XXVII. **A novel spherical fuzzy AHP-integrated spherical WASPAS methodology for petrol station location selection problem: a real case study for Istanbul**
Ayyıldız E., Taşkın Gümüş A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.29, pp.36109-36120, 2020 (SCI-Expanded)
- XXVIII. **A Modified Balanced Scorecard Based Hybrid Pythagorean Fuzzy AHP-Topsis Methodology for ATM Site Selection Problem**
YILDIZ A., AYYILDIZ E., TAŞKIN GÜMÜŞ A., ÖZKAN C.
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.19, no.2, pp.365-384, 2020 (SCI-Expanded)
- XXIX. **A Novel Approach for Optimizing the Supply Chain: A Heuristic-Based Hybrid Algorithm**
Kocaoglu Y., Cakmak E., Kocaoglu B., TAŞKIN GÜMÜŞ A.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2020, 2020 (SCI-Expanded)
- XXX. **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, vol.24, no.1, pp.1-26, 2018 (SSCI)
- XXXI. **A COMPREHENSIVE LITERATURE REVIEW FOR HUMANITARIAN RELIEF LOGISTICS IN DISASTER OPERATIONS MANAGEMENT**

- TAŞKIN GÜMÜŞ A., ÇELİK E.
İstanbul Ticaret Üniversitesi Sosyal Bilimler Dergisi, no.31, pp.347-389, 2017 (SCI-Expanded)
- XXXII. **Identifying the key factors of rail transit service quality: An empirical analysis for Istanbul**
IŞIKLI E., AYDIN N., ÇELİK E., TAŞKIN GÜMÜŞ A.
Journal of Public Transportation, vol.20, pp.63-90, 2017 (SSCI)
- XXXIII. **An outranking approach based on interval type-2 fuzzy sets to evaluate preparedness and response ability of non-governmental humanitarian relief organizations**
Celik E., Gumus A.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.101, pp.21-34, 2016 (SCI-Expanded)
- XXXIV. **A New Extension of the ELECTRE Method Based Upon Interval Type-2 Fuzzy Sets for Green Logistic Service Providers Evaluation**
Celik E., Gumus A., Erdogan M.
JOURNAL OF TESTING AND EVALUATION, vol.44, no.5, pp.1813-1827, 2016 (SCI-Expanded)
- XXXV. **A state of the art literature review of VIKOR and its fuzzy extensions on applications**
Gul M., Celik E., AYDIN N., GUMUS A. T., GÜNERİ A. F.
APPLIED SOFT COMPUTING, vol.46, pp.60-89, 2016 (SCI-Expanded)
- XXXVI. **An extended fuzzy TOPSIS-GRA method based on different separation measures for green logistics service provider selection**
Celik E., ERDOĞAN M., GÜMÜŞ A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.13, no.5, pp.1377-1392, 2016 (SCI-Expanded)
- XXXVII. **Emergency department performance evaluation by an integrated simulation and interval type-2 fuzzy MCDM-based scenario analysis**
Gul M., Celik E., Gumus A., GÜNERİ A. F.
EUROPEAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.10, no.2, pp.196-223, 2016 (SCI-Expanded)
- XXXVIII. **A hybrid data analytic methodology for 3PL transportation provider evaluation using fuzzy multi-criteria decision making**
Yayla A. Y., Oztekin A., Gumus A., Gunasekaran A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.53, no.20, pp.6097-6113, 2015 (SCI-Expanded)
- XXXIX. **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)
- XL. **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, vol.77, pp.61-81, 2015 (SCI-Expanded)
- XLI. **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, vol.36, pp.283-293, 2014 (SSCI)
- XLII. **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 & FUZZY SYSTEMS, vol.27, no.6, pp.2847-2855, 2014 (SCI-Expanded)
- XLIII. **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., Baracli H.
TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, vol.58, pp.28-51, 2013 (SCI-Expanded)
- XLIV. **A Combined Fuzzy-AHP and Fuzzy-GRA Methodology for Hydrogen Energy Storage Method Selection in Turkey**

- Gumus A., YAYLA A., Celik E., Yildiz A.
ENERGIES, vol.6, no.6, pp.3017-3032, 2013 (SCI-Expanded)
- XLV. **An evaluation of quality goals by using fuzzy AHP and fuzzy TOPSIS methodology**
Tadic D., Gumus A., Arsovski S., Aleksic A., Stefanovic M.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.25, no.3, pp.547-556, 2013 (SCI-Expanded)
- XLVI. **A new methodology for multi-echelon inventory management in stochastic and neuro-fuzzy environments**
Gumus A. T., GÜNERİ A. F., Ulengin F.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.128, no.1, pp.248-260, 2010 (SCI-Expanded)
- XLVII. **Sea Vessel Type Selection via An Integrated VAHP-ANP Methodology for High-Speed Public Transportation in Bosphorus**
TAŞKIN GÜMÜŞ A.
Expert Systems with Applications, vol.37, no.6, pp.4182-4189, 2010 (SCI-Expanded)
- XLVIII. **Supply chain network design using an integrated neuro-fuzzy and MILP approach: A comparative design study**
Gumus A. T., GÜNERİ A. F., Keles S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.10, pp.12570-12577, 2009 (SCI-Expanded)
- XLIX. **A multi-echelon inventory management framework for stochastic and fuzzy supply chains**
Gumus A. T., Gumus A. T.
Expert Systems with Applications, vol.36, no.3, pp.5565-5575, 2009 (SCI-Expanded)
- L. **Evaluation of Hazardous Waste Transportation Firms by Using A Two Step Fuzzy-AHP and TOPSIS Methodology**
TAŞKIN GÜMÜŞ A.
Expert Systems with Applications, vol.36, no.2, pp.4062-4074, 2009 (SCI-Expanded)
- LI. **Flexible kanbans to enhance volume flexibility in a JIT environment: a simulation based comparison via ANNs**
GÜNERİ A. F., KUZU A., GÜMÜŞ A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.47, no.24, pp.6807-6819, 2009 (SCI-Expanded)
- LII. **Artificial Neural Networks for Finite Capacity Scheduling: A Comparative Study**
GÜNERİ A. F., GUMUS A. T.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.15, no.4, pp.349-359, 2008 (SCI-Expanded)
- LIII. **The Usage of Artificial Neural Networks For Finite Capacity Planning**
GÜNERİ A. F., GUMUS A. T.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.15, no.1, pp.16-25, 2008 (SCI-Expanded)
- LIV. **Multi-echelon inventory management in supply chains with uncertain demand and lead times: literature review from an operational research perspective**
Gumues A., Guneri A. F.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.221, no.10, pp.1553-1570, 2007 (SCI-Expanded)
- LV. **Economic analysis of risky projects by ANNs**
Taskin A., Guneri A. F.
APPLIED MATHEMATICS AND COMPUTATION, vol.175, no.1, pp.171-181, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **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)

- II. **Clustering approach with self-organizing maps for unmanned aerial vehicle response to post-earthquake fires: An application for Istanbul**
Gülüm Taş P., Taşkın A.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.3, pp.692-700, 2024 (ESCI)
- III. **A constraint programming approach for multi-objective tourist trip design problem with mandatory visits: A case study for İzmir Turkey**
Işık E. E., Ayyıldız E., Taşkın A.
JOURNAL OF PROJECT MANAGEMENT, vol.9, no.1, pp.61-72, 2024 (ESCI)
- IV. **A Multi Depot Multi Product Split Delivery Vehicle Routing Problem with Time Windows: A Real Cash in Transit Problem Application in Istanbul, Turkey**
AYYILDIZ E., Sahin M. C., GÜMÜŞ A. T.
Journal of Transportation and Logistics, vol.7, no.2, pp.213-232, 2023 (Peer-Reviewed Journal)
- V. **Crack Propagation Life Prediction of a Single Lap Shear Joint: A Linear Elastic Fracture Mechanics Based Machine Learning Approach**
Yüce Z., Yayla P., Taşkın A.
Procedia Structural Integrity, vol.42, no.42, pp.663-671, 2022 (Scopus)
- VI. **Drinking water distribution problem for assembly areas after earthquake: A case study in Sakarya, Turkey**
Yıldız A., Ayyıldız E., Özkan C., Taşkın Gümüş A.
TURK HIJYEN VE DENEYSEL BIYOLOJİ DERGİSİ. TURKISH BULLETIN OF HYGIENE AND EXPERIMENTAL BIOLOGY, vol.77, no.4, pp.21-34, 2020 (Scopus)
- VII. **Ülkelerin Yaşam Kalitelerine Göre Değerlendirilmesi İçin Hibrit Pisagor Bulanık Ahp-Topsis Metodolojisi: Avrupa Birliği Örneği**
Yıldız A., Ayyıldız E., Taşkın Gümüş A., Özkan C.
Avrupa Bilim ve Teknoloji Dergisi, vol.17, pp.1383-1391, 2019 (Peer-Reviewed Journal)
- VIII. **SPSA-FSR: Simultaneous Perturbation Stochastic Approximation for Feature Selection and Ranking**
Yenice Z. D., Adhikari N., Wong Y. K., Aksakalli V., Taşkın A., Abbasi B.
arxiv preprint, vol.1, no.1, pp.1-56, 2018 (Non Peer-Reviewed Journal)
- IX. **A fuzzy logic based PROMETHEE method for material selection problems**
GÜL M., ÇELİK E., TAŞKIN GÜMÜŞ A., GÜNERİ A. F.
Beni-Suef University Journal of Basic and Applied Sciences, vol.7, pp.68-79, 2018 (ESCI)
- X. **Humanitarian Relief Supply Chain Performance Evaluation: A Literature Review**
TAŞKIN GÜMÜŞ A., Tamiru Gizaw B.
International Journal of Marketing Studies, vol.8, pp.105-120, 2016 (Peer-Reviewed Journal)
- XI. **Simülasyon ile Bütünleşik Çok Kriterli Karar Verme: Bir Hastane Acil Departmanı İçin Senaryo Seçimi Uygulaması**
Çelik E., Güneri A. F., TAŞKIN GÜMÜŞ A.
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, no.22, pp.1-8, 2012 (Peer-Reviewed Journal)
- XII. **A Fuzzy TOPSIS Approach Based on Trapezoidal Numbers to Material Selection Problem**
ÇELİK E., GÜL M., TAŞKIN GÜMÜŞ A., GÜNERİ A. F.
Journal of Information Technology Applications & Management, vol.19, pp.19-30, 2012 (Peer-Reviewed Journal)
- XIII. **Simülasyon İle Bütünleşik Çok Kriterli Karar Verme Bir Hastane Acil Departmanı İçin Senaryo Seçimi Uygulaması**
GÜL M., ÇELİK E., GÜNERİ A. F., TAŞKIN GÜMÜŞ A.
İSTANBUL TİCARET ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.22, no.2, pp.1-18, 2012 (Peer-Reviewed Journal)
- XIV. **Kurumsal Bilgi Sistemi Seçiminde Bulanık-Analitik Ağ Süreci Tabanlı Bir Yaklaşım**
TAŞKIN GÜMÜŞ A.
SİGMA Mühendislik ve Fen Bilimleri Dergisi, vol.28, no.2, pp.74-85, 2010 (Peer-Reviewed Journal)
- XV. **Bulanık Çok-Aşamalı Tedarik Zincirlerinde Bütünleşik Bir Kamçı Etkisi Ölçüm Sistemi**
TAŞKIN GÜMÜŞ A.
SİGMA Mühendislik ve Fen Bilimleri Dergisi, vol.26, no.4, pp.314-324, 2008 (Peer-Reviewed Journal)

- XVI. **AN INTEGRATED BULLWHIP EFFECT MEASUREMENT SYSTEM FOR FUZZY MULTI-ECHELON SUPPLY CHAINS**
TAŞKIN A., GÜNERİ A. F.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.26, no.4, pp.314-326, 2008 (ESCI)

Books & Book Chapters

- I. **A Multi-criteria Evaluation Framework for Prioritizing the Geothermal Power Plant Site Selection Factors by Fuzzy AHP**
Ayyıldız E., Taşkın A.
in: Proceedings of the 2022 International Symposium on Energy Management and Sustainability ISEMAS 2022, M. Ziya Söğüt, T. Hikmet Karakoç, Ömer Seçgin, Alper Dalkıran, Editor, Springer, London/Berlin, İstanbul, pp.113-122, 2023
- II. **UAV Selection for Post-Disaster Medical Supply Distribution Using a Two-Level Interval-Valued Pythagorean Fuzzy AHP Integrated Interval-Valued Pythagorean Fuzzy VIKOR Methodology, and an Application**
GÜLÜM TAŞ P., YALÇIN KAVUŞ B., AYYILDIZ E., TAŞKIN A.
in: Multi-Criteria Decision Analysis Case Studies in Disaster Management, Gül, Muhammet, Yücesan, Melih, Erdoğan, Melike, Editor, CRC Press, New York, pp.267-279, 2022
- III. **A Novel Interval Valued Neutrosophic AHP-WASPAS Methodology for Emergency Supply Depot Location Selection Problems**
AYYILDIZ E., TAŞKIN A.
in: Multi-Criteria Decision Analysis Case Studies in Disaster Management, Gül, Muhammet, Yücesan, Melih, Erdoğan, Melike, Editor, CRC Press, New York, pp.251-266, 2022
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TAŞKIN GÜMÜŞ A., İthalatta Riske Dayalı Denetim Sistemi, 2012 - 2015

Activities in Scientific Journals

International Journal of Pure and Applied Sciences, Advisory Committee Member, 2019 - Continues

Tasks In Event Organizations

Taşkın A., ASYU 2022-Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, Scientific Congress, Antalya, Turkey, Eylül 2022

Taşkın A., inista 2022-The 16th International conference on INnovations in Intelligent SysTems ans Applications, Scientific Congress, France, Ağustos 2022

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Taşkın Gümüş A., FUZZYSS'15-4th International Fuzzy Systems Symposium, Scientific Congress, Turkey, Kasım 2015

Scientific Research / Working Group Memberships

Artificial Intelligence Based Optimization Studies Staff (Aı-Boss), Yıldız Technical University, Türkiye, <https://avesis.yildiz.edu.tr/arastirma-grubu/aiboss>, 2022 - Continues

Mobility Activity

Improving Competencies and Qualifications, Guest Researcher, Fachhochschule Harz, Germany, 2022 - Continues

Post Doc, Post Doc, MIT-Zaragoza Logistics Center, Spain, 2010 - 2010

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Congress and Symposium Activities

Uluslararası Mühendislik Sempozyumu-Sektörde Mühendislik Uygulamaları, Panelists, İzmir, Turkey, 2020

Scholarships

YÖK Yurt Dışı Doktora Sonrası Araştırma Bursu, University, 2010 - 2010

YÖK Doktora Bursu, YOK, 2006 - 2007