

Prof. Nezir AYDIN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: M-6069-2013

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Education Information

Doctorate, Wayne State University, Engineering, United States Of America 2007 - 2012

Postgraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Turkey 2005 - 2007

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Turkey 2000 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, SAMPLING BASED PROGRESSIVE HEDGING ALGORITHMS FOR STOCHASTIC PROGRAMMING PROBLEMS, Wayne State University, Engineering, Industrial Engineering, 2012

Postgraduate, Katı atık yönetiminde optimal planlama için bulanık doğrusal programlama yaklaşımı, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Endüstri Mühendisliği, 2007

Research Areas

Industrial Engineering , Optimization Theory and Methods, Global Optimization, Simulation, Supply Chain and Logistics Management, Network Design, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2018 - Continues

Assistant Professor, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2014 - 2018

Research Assistant PhD, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2012 - 2014

Research Assistant, Wayne State University, Faculty of Engineering, Industrial and Systems Engineering, 2007 - 2012

Research Assistant, Yildiz Technical University, Department Of Industry Engineering, Industry Engineering, 2005 - 2012

Academic and Administrative Experience

Yıldız Teknik Üniversitesi, Mesleki Eğitim Ve Uygulama Merkezi, 2014 - Continues

Courses

Doctorate

Stochastic Modeling and Optimization, Doctorate, 2019 - 2020, 2018 - 2019

Postgraduate

Mathematic Programming, Postgraduate, 2019 - 2020

Mathematical Modeling and Analysis, Postgraduate, 2018 - 2019, 2017 - 2018

Mathematical Modelling and Analysis, Postgraduate, 2017 - 2018

Undergraduate

Modelling, Undergraduate, 2019 - 2020, 2017 - 2018

Simulation, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

System Analysis, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Special Topics in Industrial Engineering, Undergraduate, 2017 - 2018

Sistem Analizi, Undergraduate, 2016 - 2017

Simülasyon, Undergraduate, 2016 - 2017, 2015 - 2016

Modelleme, Undergraduate, 2016 - 2017, 2014 - 2015

Yöneylem Araştırması, Undergraduate, 2016 - 2017, 2015 - 2016

Sistem Analizi, Undergraduate, 2016 - 2017

Sistem Analizi, Undergraduate, 2016 - 2017, 2015 - 2016

Simülasyon, Undergraduate, 2016 - 2017

Sistem Analizi, Undergraduate, 2015 - 2016

Modelleme, Undergraduate, 2015 - 2016

Bilgisayar Programlama, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Mühendislik Ekonomisi, Undergraduate, 2014 - 2015

Stokastik Süreçler, Undergraduate, 2013 - 2014

İş Etüdü, Undergraduate, 2014 - 2015

Fabrika Organizasyonu ve İşletme, Undergraduate, 2013 - 2014

Supervised Theses

Aydın N., Sevkiyat Takiplerinin Minimum Operatör Kullanılarak Gerçekleştirilmesi, Postgraduate, O.Emre(Student), Continues

Aydın N., Stokastik Optimizasyon, Postgraduate, G.Baydar(Student), Continues

Aydın N., Olası İstanbul depremi etkili müdahale için optimizasyon modeli, Doctorate, Ö.Kanga(Student), Continues

Aydın N., Optimizasyon, Postgraduate, T.Çelik(Student), Continues

Aydın N., Makine Öğrenmesi ve Havacılık Gelir Yönetimi Sistemi üzerine Bir Uygulama, Doctorate, B.Yakar(Student), Continues

Aydın N., AKILLI SAĞLIK, AKILLI YÖNETİŞİM UYGULAMALARI VE AKILLI ULAŞIM VERİMLİLİĞİ İÇİN KENTSEL STATİK MOBİLİTE AĞLARININ ŞEKİLLENDİRİLMESİ, Doctorate, K.Menküç(Student), 2023

Aydın N., Araç Rotalama, Postgraduate, A.Mert(Student), 2023

Aydın N., DRON KULLANARAK DEPREM SONRASI HASAR TESPİTİ AMACIYLA YERLEŞTİRME VE ROTALAMA PROBLEMİ VE KARINCA KOLONİSİ OPTİMİZASYONU İLE ÇÖZÜMÜ: İSTANBUL İLÇELERİ ÖRNEĞİ, Postgraduate, O.YILMAZ(Student),

2021

Aydın N., Kripto Paralarda Risk Ölçümü ve Portföy Optimizasyonu, Doctorate, B.SİLAHLI(Student), 2020

Aydın N., Türkiye'nin aylık elektrik tüketiminin yapay sinir ağlarıyla tahmini, Postgraduate, E.POLAT(Student), 2019

Aydın N., Yapay sinir ağları ve karar ağaçları modelleri ile işletmelerin finansal başarısızlıklarının tahminlenmesi, Postgraduate, N.ŞAHİN(Student), 2019

Aydın N., Kapasiteli kırsal çimli postacı problemi ve bir uygulama, Postgraduate, E.ALİOĞULLARI(Student), 2019

Aydın N., Gözetmen atama problemine yönelik karşılaştırmalı bir matematiksel optimizasyon ve genetik algoritma yaklaşımı: Bir üniversite uygulaması, Postgraduate, O.RIDVAN(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Strategic site selection methodology for small modular reactors: A case study in Türkiye**
AYYILDIZ E., Yildirim B., Erdogan M., AYDIN N.
Renewable and Sustainable Energy Reviews, vol.215, 2025 (SCI-Expanded)
- II. **A new approach towards analysis of life cycle of energy storage systems: An intuitionistic fuzzy rough based TODIM approach**
Hussain A., Ullah K., AYDIN N., Olanrewaju O. A.
Energy Reports, vol.13, pp.59-67, 2025 (SCI-Expanded)
- III. **A novel Pythagorean fuzzy correlation coefficient based on Spearman's technique of correlation coefficient with applications in supplier selection process**
Ejegwa P. A., Kausar N., Aydın N., Deveci M.
Journal of Industrial Information Integration, vol.44, 2025 (SCI-Expanded)
- IV. **AI-driven predictive maintenance using an enhanced TOPSIS approach for complex fuzzy information with Z-numbers**
Saif Z., Ashraf S., Hameed M. S., Kousar M., Simic V., AYDIN N.
Applied Soft Computing, vol.171, 2025 (SCI-Expanded)
- V. **Optimisation of COVID-19 vaccination process using GIS, machine learning, and the multi-layered transportation model**
Mengüç K., AYDIN N., Ulu M.
International Journal of Production Research, vol.63, no.2, pp.404-417, 2025 (SCI-Expanded)
- VI. **Machine learning-based sales forecasting during crises: Evidence from a Turkish women's clothing retailer**
Kizgin K. T., ALP S., AYDIN N., Yu H.
Science Progress, vol.108, no.1, 2025 (SCI-Expanded)
- VII. **Optimal location selection for electric vehicle car-sharing stations using Fermatean fuzzy decision-making methodology**
Yildirim B., AYYILDIZ E., AYDIN N.
Journal of Cleaner Production, vol.485, 2024 (SCI-Expanded)
- VIII. **Post-earthquake debris waste management with interpretive-structural-modeling and decision-making-trial, and evaluation-laboratory under neutrosophic fuzzy sets**
AYDIN N., ŞEKER Ş., Deveci M., Zaidan B. B.
Engineering Applications of Artificial Intelligence, vol.138, 2024 (SCI-Expanded)
- IX. **A new Fermatean fuzzy Spearman-like correlation coefficient and its application in evaluating insecurity problem via multi-criteria decision-making approach**
Ejegwa P. A., Kausar N., Aydın N., Feng Y., Olanrewaju O. A.
Heliyon, vol.10, no.22, 2024 (SCI-Expanded)
- X. **New Fermatean Fuzzy Distance Metric and Its Utilization in the Assessment of Security Crises Using the MCDM Technique**
Ejegwa P. A., Anum M. T., Kausar N., Nwokoro C. O., Aydın N., Yu H.
Mathematics, vol.12, no.20, 2024 (SCI-Expanded)

- XI. **Sustainable and smart electric bus charging station deployment via hybrid spherical fuzzy BWM and MULTIMOORA framework**
Deniz R., AYDIN N.
Neural Computing and Applications, vol.36, no.25, pp.15685-15703, 2024 (SCI-Expanded)
- XII. **What is Needed to design sustainable and resilient cities: Neutrosophic fuzzy based DEMATEL for designing cities**
ŞEKER Ş., AYDIN N., TUZKAYA U. R.
International Journal of Disaster Risk Reduction, vol.108, 2024 (SCI-Expanded)
- XIII. **Sample intelligence-based progressive hedging algorithms for the stochastic capacitated reliable facility location problem**
AYDIN N., Murat A., Mordukhovich B. S.
Artificial Intelligence Review, vol.57, no.6, 2024 (SCI-Expanded)
- XIV. **Heuristics Based Optimization for Multidepot Drone Location and Routing Problem to Detect Post-Earthquake Damages**
AYDIN N., Yilmaz O., Deveci M., Lv Z.
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.25, no.1, pp.850-858, 2024 (SCI-Expanded)
- XV. **Analyzing barriers and strategies in digital transformation for resilient SC in healthcare using AHP and MABAC under uncertain environment**
ŞEKER Ş., AYDIN N.
Journal of Enterprise Information Management, 2024 (SSCI)
- XVI. **Multi-Objective Optimization of Car Sharing Points Under Uncertainty for Sustainable Transportation**
AYDIN N., ŞEKER Ş., Deveci M.
IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, vol.71, pp.1959-1968, 2024 (SCI-Expanded)
- XVII. **Bloodmobile location selection for resilient blood supply chain: a novel spherical fuzzy AHP-integrated spherical fuzzy COPRAS methodology**
İMAMOĞLU G., AYYILDIZ E., AYDIN N., Topcu Y. İ.
Journal of Enterprise Information Management, 2024 (SSCI)
- XVIII. **A Data Driven Approach to Forecasting Traffic Speed Classes Using Extreme Gradient Boosting Algorithm and Graph Theory**
Mengüç K., AYDIN N., Yilmaz A.
Physica A: Statistical Mechanics and its Applications, vol.620, 2023 (SCI-Expanded)
- XIX. **Health Care Logistics Network Design and Analysis on Pandemic Outbreaks: Insights From COVID-19**
Cetinkale Z., Aydın N.
TRANSPORTATION RESEARCH RECORD, vol.2677, no.4, pp.674-703, 2023 (SCI-Expanded)
- XX. **A Systematic Literature Review of the Blood Supply Chain through Bibliometric Analysis and Taxonomy**
İmamoğlu G., Topcu Y. İ., Aydın N.
Systems, vol.11, no.3, 2023 (SSCI)
- XXI. **Simultaneous response to multiple disasters: Integrated planning for pandemics and large-scale earthquakes**
AYDIN N., Cetinkale Z.
International Journal of Disaster Risk Reduction, vol.86, 2023 (SCI-Expanded)
- XXII. **A linear programming-based QFD methodology under fuzzy environment to develop sustainable policies in apparel retailing industry**
AYDIN N., ŞEKER Ş., Deveci M., Ding W., Delen D.
Journal of Cleaner Production, vol.387, 2023 (SCI-Expanded)
- XXIII. **Fermatean fuzzy based Quality Function Deployment methodology for designing sustainable mobility hub center**
ŞEKER Ş., AYDIN N.
Applied Soft Computing, vol.134, 2023 (SCI-Expanded)

- XXIV. **Risk assessment approach for analyzing risk factors to overcome pandemic using interval-valued q-rung orthopair fuzzy decision making method**
ŞEKER Ş., Bağlan F. B., AYDIN N., Deveci M., Ding W.
Applied Soft Computing, vol.132, 2023 (SCI-Expanded)
- XXV. **A stochastic Fermatean fuzzy-based multi-choice conic goal programming approach for sustainable supply chain management in end-of-life buildings**
Deliktaş D., Karagoz S., Simić V., AYDIN N.
Journal of Cleaner Production, vol.382, 2023 (SCI-Expanded)
- XXVI. **A new risk assessment framework for safety in oil and gas industry: Application of FMEA and BWM based picture fuzzy MABAC**
AYDIN N., ŞEKER Ş., ŞEN C.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.219, 2022 (SCI-Expanded)
- XXVII. **A Novel Stochastic Optimization Model for Reverse Logistics Network Design of End-of-Life Vehicles: A Case Study of Istanbul**
Karagoz S., AYDIN N., Simic V.
ENVIRONMENTAL MODELING & ASSESSMENT, vol.27, pp.599-619, 2022 (SCI-Expanded)
- XXVIII. **Analyses on ICU and non-ICU capacity of government hospitals during the COVID-19 outbreak via multi-objective linear programming: An evidence from Istanbul**
Aydın N., Cetinkale Z.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.146, 2022 (SCI-Expanded)
- XXIX. **Planning Location of Mobility Hub for Sustainable Urban Mobility**
AYDIN N., ŞEKER Ş., ÖZKAN B.
Sustainable Cities and Society, vol.81, 2022 (SCI-Expanded)
- XXX. **A two-stage stochastic model for workforce capacity requirement in shipbuilding**
Kafalı M., AYDIN N., Genç Y., ÇELEBİ U. B.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, vol.21, no.3, pp.146-158, 2022 (SCI-Expanded)
- XXXI. **Decision-Dependent Multiobjective Multiperiod Stochastic Model for Parking Location Analysis in Sustainable Cities: Evidence from a Real Case**
AYDIN N.
JOURNAL OF URBAN PLANNING AND DEVELOPMENT, vol.148, no.1, 2022 (SCI-Expanded)
- XXXII. **Assessment of hydrogen production methods via integrated MCDM approach under uncertainty**
ŞEKER Ş., AYDIN N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.5, pp.3171-3184, 2022 (SCI-Expanded)
- XXXIII. **Feature selection by machine learning models to identify the public's changing priorities during the COVID-19 pandemic**
Menguc K., Aydın N.
JOURNAL OF AMBIENT INTELLIGENCE AND SMART ENVIRONMENTS, vol.14, no.5, pp.385-403, 2022 (SCI-Expanded)
- XXXIV. **Picture fuzzy extension of the CODAS method for multi-criteria vehicle shredding facility location**
Simic V., Karagoz S., Deveci M., AYDIN N.
EXPERT SYSTEMS WITH APPLICATIONS, vol.175, 2021 (SCI-Expanded)
- XXXV. **Determining the location of isolation hospitals for COVID-19 via Delphi-based MCDM method**
AYDIN N., ŞEKER Ş.
INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, vol.36, no.6, pp.3011-3034, 2021 (SCI-Expanded)
- XXXVI. **Analyzing the efficiency of bank branches via novel weighted stochastic imprecise data envelopment analysis**
AYDIN N., Yurdakul G.
RAIRO-OPERATIONS RESEARCH, vol.55, no.3, pp.1559-1578, 2021 (SCI-Expanded)
- XXXVII. **Interval type-2 Fuzzy ARAS method for recycling facility location problems**
Karagoz S., Deveci M., Simic V., AYDIN N.
APPLIED SOFT COMPUTING, vol.102, 2021 (SCI-Expanded)

- XXXVIII. **DESIGNING REVERSE LOGISTICS NETWORK FOR END-OF-LIFE VEHICLES: A SUSTAINABILITY PERSPECTIVE IN A FRAGILE SUPPLY CHAIN**
AYVAZ B., KUŞAKCI A. O., AYDIN N., ERTAS E.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.28, no.3, pp.298-328, 2021 (SCI-Expanded)
- XXXIX. **Portfolio value-at-risk with two-sided Weibull distribution: Evidence from cryptocurrency markets**
SILAHLI B., DİNÇEK K. D., CİFTER A., AYDIN N.
FINANCE RESEARCH LETTERS, vol.38, 2021 (SSCI)
- XL. **Estimating fuel consumption in maritime transport**
IŞIKLI E., AYDIN N., BİLGİLİ L., TOPRAK A.
JOURNAL OF CLEANER PRODUCTION, vol.275, 2020 (SCI-Expanded)
- XLI. **Assessing countries' performances against COVID-19 via WSIDEA and machine learning algorithms**
AYDIN N., YURDAKUL G.
APPLIED SOFT COMPUTING JOURNAL, vol.97, 2020 (SCI-Expanded)
- XLII. **WASPAS based MULTIMOORA method under IVIF environment for the selection of hub location**
AYDIN N., ŞEKER Ş.
JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, vol.33, pp.1233-1256, 2020 (SSCI)
- XLIII. **A novel intuitionistic fuzzy MCDM-based CODAS approach for locating an authorized dismantling center: a case study of Istanbul**
KARAGOZ S., DEVECİ M., SİMİC V., AYDIN N., BÖLÜKBAŞ U.
WASTE MANAGEMENT & RESEARCH, vol.38, no.6, pp.660-672, 2020 (SCI-Expanded)
- XLIV. **Hydrogen production facility location selection for Black Sea using entropy based TOPSIS under IVPF environment**
ŞEKER Ş., AYDIN N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, pp.15855-15868, 2020 (SCI-Expanded)
- XLV. **Designing reverse logistics network of end-of-life-buildings as preparedness to disasters under uncertainty**
AYDIN N.
JOURNAL OF CLEANER PRODUCTION, vol.256, 2020 (SCI-Expanded)
- XLVI. **End-of-life vehicle management: a comprehensive review**
KARAGOZ S., AYDIN N., SİMİC V.
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.22, no.2, pp.416-442, 2020 (SCI-Expanded)
- XLVII. **Sustainable Public Transportation System Evaluation: A Novel Two-Stage Hybrid Method Based on IVIF-AHP and CODAS**
ŞEKER Ş., AYDIN N.
INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, vol.22, pp.257-272, 2020 (SCI-Expanded)
- XLVIII. **Optimization of reverse logistics network of End of Life Vehicles under fuzzy supply: A case study for Istanbul Metropolitan Area**
KUŞAKCI A. O., AYVAZ B., CİN E., AYDIN N.
JOURNAL OF CLEANER PRODUCTION, vol.215, pp.1036-1051, 2019 (SCI-Expanded)
- XLIX. **Passenger Satisfaction Evaluation of Public Transportation in Istanbul by Using Fuzzy Quality Function Deployment Methodology**
BİLİŞİK Ö. N., ŞEKER Ş., AYDIN N., GÜNGÖR N., BARAÇLI H.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.44, pp.2811-2824, 2019 (SCI-Expanded)
- L. **A fuzzy-based multi-dimensional and multi-period service quality evaluation outline for rail transit systems**
AYDIN N.
TRANSPORT POLICY, vol.55, pp.87-98, 2017 (SSCI)
- LI. **Identifying key factors of rail transit service quality: An empirical analysis for Istanbul**
IŞIKLI E., AYDIN N., ÇELİK E., GUMUS A. T.
JOURNAL OF PUBLIC TRANSPORTATION, vol.20, no.1, pp.63-90, 2017 (SSCI)

- LII. **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)
- LIII. **Stochastic reverse logistics network design for waste of electrical and electronic equipment**
Ayvaz B., Bolat B., AYDIN N.
RESOURCES CONSERVATION AND RECYCLING, vol.104, pp.391-404, 2015 (SCI-Expanded)
- LIV. **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)
- LV. **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)
- LVI. **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)
- LVII. **A swarm intelligence based sample average approximation algorithm for the capacitated reliable facility location problem**
Aydin N., Murat A.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.145, no.1, pp.173-183, 2013 (SCI-Expanded)
- LVIII. **Combining Bayesian Networks and Total Cost of Ownership method for supplier selection analysis**
Dogan I., Aydin N.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.61, no.4, pp.1072-1085, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Multi-Attribute Decision-making Based on Pythagorean Fuzzy Numbers and its Application in Hotel Evaluations**
Rasool E., KAUSAR N., Ahmad S. S. S., AYDIN N., Olanrewaju O. A.
DECISION MAKING: APPLICATIONS IN MANAGEMENT AND ENGINEERING, vol.7, no.2, pp.559-571, 2025 (Scopus)
- II. **Significance of stochastic programming in addressing production planning under uncertain demand in the metal industry sector**
Aydm N., Orak S. K., Karatas E.
AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), vol.15, no.1, pp.14-24, 2025 (ESCI)
- III. **Characterization of various (b, ℓ) neutrosophic ideals of an ordered Γ -semigroups**
Rajalakshmi A., KAUSAR N., Vrioni B., Kumaran K. L. M., AYDIN N., Palanikumar M.
International Journal of Neutrosophic Science, vol.25, no.2, pp.325-337, 2025 (Scopus)
- IV. **An integrated smart framework for fast-moving consumer goods online market logistics: a digital twin framework**
GhanavatiNejad M., Tavakoli M., Sheikhalishahi M., AYDIN N., Aria S. S.
Journal of Industrial and Production Engineering, 2025 (ESCI)
- V. **Digitizing DNA Sequences Using Multiset-Based Nucleotide Frequencies for Machine Learning-Based Mutation Detection**
Anjum S., Kousar S., Kausar N., Aydin N., Olanrewaju O. A., Mncwango B.
Decision Making: Applications in Management and Engineering, vol.7, no.2, pp.516-529, 2024 (Scopus)
- VI. **Re-design of a logistics distribution network with genetic algorithm**
CAM A. M., AYDIN N.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.29, no.2, pp.375-392, 2024 (Peer-Reviewed Journal)

- VII. **Stochastic optimization model to simulate football games as logistics networks**
AYDIN N., MENGÜÇ K.
JOURNAL OF INFORMATION & OPTIMIZATION SCIENCES, vol.45, no.1, pp.1-23, 2024 (ESCI)
- VIII. **Belirsiz Taleplerle Hemşire Çizelgeleme Problemi için Stokastik Hedef Programlama**
AYDIN N., ÇAVGA S. H.
Gazi Mühendislik Bilimleri Dergisi, vol.9, no.3, pp.490-507, 2023 (Peer-Reviewed Journal)
- IX. **Factors affecting travelers satisfaction with rail transit systems**
ERCAN S., AYDIN N., ASLAN T. N.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi (Online), vol.6, no.1, pp.51-61, 2023 (Peer-Reviewed Journal)
- X. **Prediction of financial distress of companies with artificial neural networks and decision trees models**
AYDIN N., Şahin N., DEVECİ M., pamucar d.
Elsevier BV, vol.10, 2022 (Peer-Reviewed Journal)
- XI. **A stochastic model for facility locations using the priority of fuzzy AHP**
Sekerci A. Z., AYDIN N.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.40, no.3, pp.649-662, 2022 (ESCI)
- XII. **The impacts of COVID-19 on travel behavior and initial perception of public transport measures in Istanbul**
AYDIN N., KUŞAKCI A. O., DEVECİ M.
Elsevier BV, vol.2, 2022 (Peer-Reviewed Journal)
- XIII. **MANAGING PUBLIC TRANSPORT DURING COVID-19: AN ANALYSIS OF THE IMPACT AND PREVENTIVE RESPONSE IN ISTANBUL**
DEVECİ M., AYDIN N., KUŞAKCI A.
Journal of Naval Sciences and Engineering, vol.17, no.1, pp.77-102, 2021 (Peer-Reviewed Journal)
- XIV. **A stochastic location and allocation model for critical items to response large-scale emergencies: A case of Turkey**
ÇELİK E., AYDIN N., TAŞKIN GÜMÜŞ A.
AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), vol.7, no.1, pp.1, 2016 (Peer-Reviewed Journal)
- XV. **A stochastic mathematical model to locate field hospitals under disruption uncertainty for large-scale disaster preparedness**
AYDIN N.
AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), vol.6, no.2, pp.85-102, 2016 (Peer-Reviewed Journal)

Books

- I. **Electricity Demand Prediction: Case of Turkey**
POLAT E., AYDIN N., IŞIKLI E.
in: Decision Making Using AI in Energy and Sustainability, GÜLGÜN KAYAKUTLU, KAYALICA MEHMET ÖZGÜR, Editor, Springer Cham, pp.121-134, 2023
- II. **A Multi-Objective Multi-Period Mathematical Model for the Location Problem of Temporary Emergency Treatment Facilities: A Case Study from Bakirkoy, Istanbul**
Aydın N., Çetinkale Z.
in: Current Debates on Natural and Engineering Sciences, Cengiz GÜLER, Zeynel KARACAGİL, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.110-122, 2021
- III. **Assessing Customer Preferences on a New Design of Refrigerator Using Conjoint Analysis**
Aydın N., Şeker Ş.
in: Customer Oriented Product Design. Studies in Systems, Decision and Control, Kahraman C., Cebi S, Editor,

Springer, London/Berlin , Aarau, pp.417-428, 2020

IV. Decision Making in Solid Waste Management Under Fuzzy Environment

KARAGÖZ S., AYDIN N., IŞIKLI E.

in: Intelligence Systems in Environmental Management: Theory and Applications, Cengiz Kahraman İrem Uçal Sarı, Editor, Springer International Publishing, 2017

Papers Published in Refereed Scientific Meetings

- I. **Analysis of solar and wind farm area using technique for order of preference by similarity to ideal solution**
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Scholarships

Sabancı Holding Başarı Bursu, Foundation, 2000 - 2005

Awards

Aydın N., Best Presentation Award / Graduate Research Symposium, Wayne State University/ Department Of Industrial And Systems Engineering, November 2010

Aydın N., Thomas C. Rumble başarı ödülü, Wayne State University, September 2010

Aydın N., Best Presentation Award / Graduate Research Symposium, Wayne State University/ Department Of Industrial And Systems Engineering, November 2009

Non Academic Experience

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Lider Aydınlatma, Kalite Departman Yöneticisi