

## **Prof. Nezir AYDIN**

### **Personal Information**

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### **International Researcher IDs**

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ScopusID: 56405234700

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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

Modelling, Undergraduate, 2019 - 2020, 2017 - 2018  
Simulation, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
System Analysis, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
Mathematic Programming, Postgraduate, 2019 - 2020  
Stochastic Modeling and Optimization, Doctorate, 2019 - 2020, 2018 - 2019  
Special Topics in Industrial Engineering, Undergraduate, 2017 - 2018  
Mathematical Modeling and Analysis, Postgraduate, 2018 - 2019, 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  
Mathematical Modelling and Analysis, Postgraduate, 2017 - 2018  
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

## Advising 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., 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., Olası İstanbul depremi etkili müdahale için optimizasyon modeli, Doctorate, Ö.Kanga(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., Kapasiteli kırsal çimli postacı problemi ve bir uygulama, Postgraduate, E.ALİÖĞÜLLARI(Student), 2019

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., 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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **Fermatean fuzzy based Quality Function Deployment methodology for designing sustainable mobility hub center**  
Şeker Ş., Aydın N.  
APPLIED SOFT COMPUTING JOURNAL, vol.134, pp.1-15, 2023 (SCI-Expanded)
- IX. **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)
- X. **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, 2023 (SCI-Expanded)
- XI. **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)

- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **Planning Location of Mobility Hub for Sustainable Urban Mobility**  
AYDIN N., ŞEKER Ş., ÖZKAN B.  
Sustainable Cities and Society, vol.81, 2022 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **Portfolio value-at-risk with two-sided Weibull distribution: Evidence from cryptocurrency markets**  
Silahli B., Dingec K. D., Cifter A., AYDIN N.

Finance Research Letters, vol.38, 2021 (SSCI)

- XXVI. **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)
- XXVII. **Estimating fuel consumption in maritime transport**  
Işıklı E., AYDIN N., BİLGİLİ L., Toprak A.  
JOURNAL OF CLEANER PRODUCTION, vol.275, 2020 (SCI-Expanded)
- XXVIII. **WASPAS based MULTIMOORA method under IVIF environment for the selection of hub location**  
Aydın N., Şeker Ş.  
Journal of Enterprise Information Management, vol.33, pp.1233-1256, 2020 (SSCI)
- XXIX. **A novel intuitionistic fuzzy MCDM-based CODAS approach for locating an authorized dismantling center: a case study of Istanbul**  
Karagoz S., Deveci M., Simic V., AYDIN N., BÖLÜKBAŞ U.  
WASTE MANAGEMENT & RESEARCH, vol.38, no.6, pp.660-672, 2020 (SCI-Expanded)
- XXX. **Hydrogen production facility location selection for Black Sea using entropy based TOPSIS under IVPF environment**  
Şeker Ş., Aydın N.  
International Journal of Hydrogen Energy, vol.45, pp.15855-15868, 2020 (SCI-Expanded)
- XXXI. **Designing reverse logistics network of end-of-life-buildings as preparedness to disasters under uncertainty**  
Aydın N.  
JOURNAL OF CLEANER PRODUCTION, vol.256, 2020 (SCI-Expanded)
- XXXII. **End-of-life vehicle management: a comprehensive review**  
Karagoz S., AYDIN N., Simic V.  
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.22, no.2, pp.416-442, 2020 (SCI-Expanded)
- XXXIII. **Sustainable Public Transportation System Evaluation: A Novel Two-Stage Hybrid Method Based on IVIF-AHP and CODAS**  
Şeker Ş., Aydın N.  
INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, vol.22, pp.257-272, 2020 (SCI-Expanded)
- XXXIV. **Optimization of reverse logistics network of End of Life Vehicles under fuzzy supply: A case study for Istanbul Metropolitan Area**  
Kusakci A. O., Ayvaz B., Cin E., AYDIN N.  
JOURNAL OF CLEANER PRODUCTION, vol.215, pp.1036-1051, 2019 (SCI-Expanded)
- XXXV. **Passenger Satisfaction Evaluation of Public Transportation in Istanbul by Using Fuzzy Quality Function Deployment Methodology**  
Bilişik Ö. N., Şeker Ş., Aydın N., Güngör N., Baraçlı H.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.44, pp.2811-2824, 2019 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **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, vol.20, no.1, pp.63-90, 2017 (SSCI)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)

- XLII. **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)

- XLIII. **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)

- XLIV. **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)

- XLV. **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. **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)

- II. **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)

- III. **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)

- IV. **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)

- V. **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)

- VI. **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)

- VII. **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 & Book Chapters

- 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

## Refereed Congress / Symposium Publications in Proceedings

- I. **LOJİSTİK SEKTÖRÜNDE DEPARTMAN BAZLI DİJİTAL OLGUNLUK SKORUNUN ÖLÇÜLMESİ: VAKA ÇALIŞMASI**  
Kalaycı S., AYDIN N.  
11. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Turkey, 10 June 2023
- II. **A STOCHASTIC MODEL FOR THE ENERGY-EFFICIENT SERVER CONSOLIDATION**  
AYDIN N., Erden Ö.  
9th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Turkey, 14 May 2022, pp.1144-1153
- III. **RE-DESIGN OF A SUPPLY CHAIN NETWORK UNDER UNCERTAINTY**  
Cam A. M., AYDIN N.  
EUROASIA Congress on Scientific Researches and Recent Trends-IX, Antalya, Turkey, 18 - 20 February 2022, pp.240-248
- IV. **OPTIMUM DESIGN OF A LOGISTICS DISTRIBUTION NETWORK**  
Cam A. M., AYDIN N.  
EUROASIA International Congress on Scientific Researches and Recent Trends-9, Antalya, Turkey, 18 - 20 February 2022, pp.249-259
- V. **BOLU İLİ KAMU ALANLARININ SU TÜKETİMLERİNDE GERİ DÖNÜŞÜM SİSTEMLERİNE GEÇİŞ SÜRECİ İÇİN BİR MODEL ÖNERİSİ**  
BAĞLAN F. B., ŞEKER Ş., AYDIN N.  
8th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 06 December 2021
- VI. **HAVA ARAÇLARI İLE İLAÇ DAĞITIMI: BİR UYGULAMA**  
Sadiç B., Aydın N., Şeker Ş.  
8th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 6 - 07 December 2021, pp.415-424
- VII. **DEPREM SONRASI HASAR TESPİTİNİN DRONLARLA YAPILMASI İÇİN KARINCA KOLONİSİ OPTİMİZASYONU ÇÖZÜM YÖNTEMLERİ**  
Aydın N., Yılmaz O.  
7th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 21 - 22 May

2021, pp.895-906

- VIII. **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.  
International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 7 - 09 May 2021, pp.62
- IX. **BANKACILIK SEKTÖRÜNDE TÜZEL MÜŞTERİLER İÇİN MAKİNE ÖĞRENMESİ YÖNTEMLERİ İLE MÜŞTERİ KAYIP ANALİZİ**  
AYDIN S., AYDIN N.  
5. Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, Turkey, 24 April 2021
- X. **DRONLAR YARDIMI İLE DEPREM SONRASI HASAR TESPİTİ İÇİN BİR KARINCA KOLONİSİ OPTİMİZASYONU**  
Yılmaz O., Aydın N.  
6th international congress on engineering, architecture and design. 17-18 December 2020, 17 - 18 Aralık 2020, 17 - 18 December 2020, pp.1075
- XI. **Deprem Sonrası Hasar Tespitinin Dronlar ile Yapılması**  
Yılmaz O., Aydın N.  
6th international congress on engineering, architecture and design. 17-18 December 2020, 17 - 18 December 2020, pp.501-509
- XII. **Deprem Durumu Acil Sağlık Yönetimi İçin Optimizasyon Ve Simülasyon Tabanlı Bir Model Önerisi**  
KANGA Ö., AYDIN N., GÜL M., ÇELİK E., GÜNAL M. M., TAŞKIN GÜMÜŞ A., GÜNERİ A. F.  
39. Yöneylem Araştırması / Endüstri Mühendisliği Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.77
- XIII. **Kurumsal Firmaların Finansal Oranlar Kullanılarak Başarısızlıklarının Yapay Sinir Ağları Modeli ile Tahminlenmesi**  
ŞAHİN N., AYDIN N.  
5. Uluslararası Muhasebe ve Finans Araştırmaları Kongresi, İzmir, Turkey, 17 - 20 October 2018
- XIV. **Forecasting Monthly Electricity Demand in Turkey Using Artificial Neural Networks**  
Aydın N., Polat E.  
12th International NCMConferences New Challenges in Industrial Engineering and Operations Management, Ankara, Turkey, 11 - 12 September 2018, pp.1
- XV. **MATHEMATICAL MODEL OF PROCTOR TIMETABLING PROBLEM**  
Aydın N., Aksu O. R.  
47th Conference in Industrial Engineering (CIE47), Lisbon, Portugal, 11 - 13 October 2017, pp.301-309
- XVI. **Olası Bir İstanbul Depreminin Etkilerini Azaltmak Amacıyla Tuzla İlçesindeki Sahra Hastanelerinin Yerlerinin Belirlenmesi**  
Yılmaz E. E., Aydın N.  
37. YÖNEYLEM ARASTIRMASI ve ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, İstanbul, Turkey, 5 - 07 July 2017, pp.1
- XVII. **A Fuzzy Analytical Hierarchy Process Approach in Facility Location Problem: A Case Study in End-of-Life Vehicles**  
Karagöz S., Aydın N.  
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.9
- XVIII. **A Fuzzy Multi Objective Mixed Integer Linear Optimization Model for Logistics Activities of End-of-Life Vehicles**  
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Aydın N., Çetinkale Z., Project Supported by Higher Education Institutions, Bakırköyde Deprem Sonrası Kurulacak Geçici Sahra Hastanelerinin Alanlarının ve Kapasitelerinin Belirsizlik Altında Belirlenmesi, 2020 - 2021

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Aydın N., Murat A., Industrial Organizations of Other Countries Supported Project, Modeling and optimization of transformation of waste to energy and other industrial by products, 2012 - 2012

Aydın N., Murat A., Industrial Organizations of Other Countries Supported Project, Operational scheduling of Operating Room (OR) Surgical Cases (Ford Hospitals/Detroit/USA), 2009 - 2010

Aydın N., Murat A., Industrial Organizations of Other Countries Supported Project, Operational response models for disruption management at Ford Motor Company/Detroit/USA, 2007 - 2008

## Scientific Refereeing

JOURNAL OF CLEANER PRODUCTION, SCI Journal, June 2020

APPLIED SOFT COMPUTING, SCI Journal, May 2020

JOURNAL OF CLEANER PRODUCTION, SCI Journal, April 2020

IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, Journal Indexed in SSCI, March 2020

JOURNAL OF CLEANER PRODUCTION, SCI Journal, March 2020

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IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, Journal Indexed in SSCI, March 2020

JOURNAL OF CLEANER PRODUCTION, SCI Journal, February 2020

SUSTAINABLE CITIES AND SOCIETY, SCI Journal, February 2020

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APPLIED SOFT COMPUTING, SCI Journal, February 2020

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TRANSPORT POLICY, SCI Journal, January 2020

APPLIED SOFT COMPUTING, SCI Journal, November 2019

JOURNAL OF CLEANER PRODUCTION, SCI Journal, November 2019

## Tasks In Event Organizations

Çebi S., AYDIN N., 37. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Scientific Congress, İstanbul, Turkey, Temmuz 2017

Aydın N., The 4th International Fuzzy Systems Symposium, Scientific Congress, İstanbul, Turkey, Kasım 2015

## Metrics

Publication: 98

Citation (WoS): 849

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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**

Wayne State University

Business Establishment Private, Lider Aydınlatma

Lider Aydınlatma