

## Kişisel Bilgiler

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## Eğitim Bilgileri

Doktora, Wayne State University, Engineering, Amerika Birleşik Devletleri 2007 - 2012

Yüksek Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Türkiye 2005 - 2007

Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Türkiye 2000 - 2005

## Yabancı Diller

İngilizce, C1 İleri

## Yaptığı Tezler

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

Yüksek Lisans, Katı atık yönetimde optimal planlama için bulanık doğrusal programlama yaklaşımı, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2007

## Araştırma Alanları

Endüstri Mühendisliği, Eniyileme Kuramı ve Yöntemleri, Global Eniyileme, Benzetim, Tedarik Zinciri ve Lojistik Yönetimi, Ağ Tasarımı, Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Endüstri Mühendisliği, 2018 - Devam Ediyor

Yrd.Doç.Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Endüstri Mühendisliği, 2014 - 2018

Araştırma Görevlisi Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Endüstri Mühendisliği, 2012 - 2014

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Endüstri Mühendisliği, 2005 - 2012

## Mesleki Deneyim

Uygulama ve Araştırma Merkezi Müdür Yardımcısı, Yıldız Teknik Üniversitesi, Mesleki Eğitim Ve Uygulama Merkezi, 2014 - Devam Ediyor

## Verdiği Dersler

Sistem Analizi, Lisans, 2016 - 2017

Simülasyon, Lisans, 2015 - 2016, 2016 - 2017

Modelleme, Lisans, 2016 - 2017, 2014 - 2015

Yöneylem Araştırması, Lisans, 2016 - 2017, 2015 - 2016

Sistem Analizi, Lisans, 2016 - 2017  
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Simülasyon, Lisans, 2016 - 2017  
Sistem Analizi, Lisans, 2015 - 2016  
Modelleme, Lisans, 2015 - 2016  
Bilgisayar Programlama, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Mühendislik Ekonomisi, Lisans, 2014 - 2015  
Stokastik Süreçler, Lisans, 2013 - 2014  
İş Etüdü, Lisans, 2014 - 2015  
Fabrika Organizasyonu ve İşletme, Lisans, 2013 - 2014

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **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, cilt.215, ss.1036-1051, 2019
- **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, cilt.44, ss.2811-2824, 2019
- **A fuzzy-based multi-dimensional and multi-period service quality evaluation outline for rail transit systems**  
AYDIN N.  
TRANSPORT POLICY, cilt.55, ss.87-98, 2017
- **Identifying key factors of rail transit service quality: An empirical analysis for Istanbul**  
İşıklı E., AYDIN N., Celik E., GUMUS A. T.  
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- **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, cilt.46, ss.60-89, 2016
- **Stochastic reverse logistics network design for waste of electrical and electronic equipment**  
Ayvaz B., Bolat B., AYDIN N.  
RESOURCES CONSERVATION AND RECYCLING, cilt.104, ss.391-404, 2015
- **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.  
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- **A hierarchical customer satisfaction framework for evaluating rail transit systems of Istanbul**  
AYDIN N., Celik E., GUMUS A. T.  
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- **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
- **A swarm intelligence based sample average approximation algorithm for the capacitated reliable facility location problem**  
Aydin N., Murat A.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, cilt.145, ss.173-183, 2013
- **Combining Bayesian Networks and Total Cost of Ownership method for supplier selection analysis**

## Diğer Dergilerde Yayınlanan Makaleler

- **A stochastic location and allocation model for critical items to response large-scale emergencies: A case of Turkey**  
ÇELİK E., AYDIN N., GUMUS A. T.  
An International Journal of Optimization and Control: Theories & Applications, cilt.7, no.1, ss.2146-5703, 2016
- **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, cilt.6, no.2, ss.85-102, 2016

## Kitap & Kitap Bölümleri

- **Intelligence Systemsin Environmental Management: Theory and Applications**  
KARAGÖZ S., AYDIN N., IŞIKLI E.  
Decision Making in Solid Waste Management Under Fuzzy Environment, Cengiz Kahraman İrem Uçal Sarı, Editör,  
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## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Kurumsal Firmaların Finansal Oranlar Kullanılarak Başarısızlıklarının Yapay Sinir Ağları Modeli ile Tahminlenmesi**  
ŞAHİN N., AYDIN N.  
5. Uluslararası Muhasebe ve Finans Araştırmaları Kongresi, İzmir, Türkiye, 17 - 20 Ekim 2018
- **Forecasting Monthly Electricity Demand in Turkey Using Artificial Neural Networks**  
Aydın N., Polat E.  
12th International NCM Conferences New Challenges in Industrial Engineering and Operations Management, Ankara, Türkiye, 11 - 12 Eylül 2018, ss.1
- **QFD APPROACH FOR DESIGNING SUSTAINABLE ACADEMIC CONFERENCE ORGANIZATIONS**  
Karagöz S., AYDIN N., Kaya K., Çelik O.  
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS, İstanbul, Türkiye, 29 Mart 2017, ss.293
- **FUZZY MULTI-OBJECTIVE DECISION SUPPORT FRAMEWORK FOR KNAPSACK PROBLEMS**  
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- **A FUZZY DECISION MAKING APPROACH IN SOLID WASTE MANAGEMENT**  
Karagöz S., AYDIN N.  
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE ICAS 2016, İstanbul, Türkiye, 31 Ağustos 2016, ss.107-109
- **AN INTUITIONISTIC FUZZY APPROACH FOR EVALUATING SERVICE QUALITY OF PUBLIC TRANSPORTATION**  
ÇELİK E., GUMUS A. T. , AYDIN N.  
THE 12TH INTERNATIONAL FLINS CONFERENCE, Roubaix, Fransa, 24 Ağustos 2016, ss.936-942
- **A STOCHASTIC MODEL FOR HUMANITARIAN RELIEF DISTRIBUTION PLANNING**  
ÇELİK E., GUMUS A. T. , AYDIN N.  
International Conference on Engineering and Natural Sciences (ICENS) 2016, Sarajevo, Bosna-Hersek, 24 Mayıs 2016, ss.45

- **A passenger satisfaction approach based on interval type-2 fuzzy sets for rail transit system**  
ÇELİK E., GUMUS A. T. , AYDIN N.  
The 4th International Fuzzy Systems Symposium, İstanbul, Türkiye, 05 Kasım 2015, ss.375-379
- **PASSENGER SATISFACTION EVALUATION FOR RAIL TRANSIT LINES IN ISTANBUL USING QUALIFLEX APPROACH BASED ON INTERVAL TYPE-2 TRAPEZOIDAL FUZZY NUMBERS**  
GUMUS A. T. , AYDIN N., ÇELİK E.  
Joint International Symposium on "The Social Impacts of Developments in Information, Manufacturing and Service Systems" CIE'44 44th INTERNATIONAL CONFERENCE on COMPUTERS & INDUSTRIAL ENGINEERING And IMSS'14 9th INTERNATIONAL SYMPOSIUM on INTELLIGENT MANUFACTURING and SERVICE SYSTEMS, İstanbul, Türkiye, 14 Ekim 2014, ss.343-357
- **An Emboli Detection System Based on Dual Tree Complex Wavelet Transform**  
Serbes G., Sakar B. E. , AYDIN N., Gulcur H.  
13th Mediterranean Conference on Medical and Biological Engineering and Computing 2013, MEDICON 2013, Sevilla, İspanya, 25 - 28 Eylül 2013, cilt.41, ss.819-822
- **Directional dual-tree complex wavelet packet transform implementation using band-limited synthetic signals**  
Serbes G., AYDIN N., Gulcur H.  
International Conference on Health Informatics, ICHI 2013, Vilamoura, Portekiz, 7 - 09 Kasım 2013, cilt.42, ss.9-12
- **INTRINSIC FORECASTING IN REVERSE LOGISTICS: THE CASE OF ELECTRICAL AND ELECTRONIC EQUIPMENT**  
AYDIN N., AYVAZ B., ISIKLI E.  
8. Uluslararası İstatistik Kongresi, Antalya, Türkiye, 27 Ekim 2013, ss.164-166
- **An Alternate for Practical Applications of Survival Analysis**  
AYDIN N., ISIKLI E.  
EUROINFORMS 26TH EUROPEAN CONFERENCE ON OPERATIONAL RESEARCH, Roma, İtalya, 01 Temmuz 2013, ss.353
- **Progressively Hedged Sample Average Approximation for Two-stage Stochastic Programs**  
MURAT A., AYDIN N.  
INFORMS Annual Meeting, Phoenix, Amerika Birleşik Devletleri, 14 Ekim 2012, ss.1
- **Effect of Process Flexibility in Mitigating Supply Chain Disruptions**  
AYDIN N., MURAT A.  
INFORMS Annual Meeting, Phoenix, Amerika Birleşik Devletleri, 14 Ekim 2012, ss.1
- **A Hybrid Solution Approach to Robust Facility Location Problems**  
AYDIN N., Monplaisir L., MURAT A.  
INFORMS Annual Meeting, Charlotte, Amerika Birleşik Devletleri, 13 Kasım 2011, ss.1
- **A new Hybrid Method for Solving Stochastic Programming Problems**  
AYDIN N., MURAT A., Monplaisir L.  
Wayne State University Industrial and Systems Engineering Graduate Research Symposium, Detroit, Amerika Birleşik Devletleri, 11 Kasım 2010, ss.1
- **A New Hybrid Method for Solving Multistage Stochastic Programming Problems**  
AYDIN N., Monplaisir L., MURAT A.  
INFORMS Annual Meeting, Texas, Amerika Birleşik Devletleri, 07 Kasım 2010, ss.1
- **Hybrid methods for Stochastic Programming Problems**  
AYDIN N., MURAT A., Monplaisir L.  
Wayne State University Industrial and Systems Engineering Graduate Research Symposium, Detroit, Amerika Birleşik Devletleri, 14 Kasım 2009, ss.1
- **Improving Supply Chain Resiliency by BOM and Process Flexibility**  
AYDIN N., MURAT A.  
INFORMS Annual Meeting, San Diego, Amerika Birleşik Devletleri, 11 Ekim 2009, ss.8
- **Impact of Bill-of-Materials Flexibility and Manufacturing Flexibility on Supply Chain Resilience**  
AYDIN N., MURAT A.  
SAE World Congress, Detroit, Amerika Birleşik Devletleri, 04 Nisan 2009, ss.1
- **Impact of Bill Of Material Flexibility and Process Flexibility on Supply Chain Resiliency**

AYDIN N., MURAT A., Monplaisir L.

Wayne State University Industrial and Systems Engineering Graduate Research Symposium, Detroit, Amerika Birleşik Devletleri, 14 Kasım 2008, ss.1

- **An Operational Model to Exploit BOM and Process Flexibility to Improve Supply Chain Resilience Resilience**

AYDIN N., MURAT A., Rossi G.

3rd Biennial Complexity Symposium Complexity and Business Analytics: Theory and Applications, Dearborn, Amerika Birleşik Devletleri, 10 Ekim 2008, ss.13

- **Managing Supply Disruption by Production Allocation**

Rossi G., MURAT A., AYDIN N.

SAE (Society of Automotive Engineers) World Congress, Detroit, Amerika Birleşik Devletleri, 10 Nisan 2008, ss.1

- **A production Allocation Model for Managing Supply Disruptions**

AYDIN N., MURAT A., Monplaisir L.

Wayne State University Industrial and Systems Engineering Graduate Research Symposium, Detroit, Amerika Birleşik Devletleri, 10 Kasım 2007, ss.1

- **A Comparison of Turkey's Logistic Companies and World's Logistic Companies by SWOT and AHP Techniques**

Çetin Demirel N., AYDIN N., Serbest G. N.

27th Annual Congress of Operations Research and Industrial Engineering(YA/EM), İzmir, Türkiye, 27 Temmuz 2007, ss.1-5

- **A PROPOSED MODEL TO MEASURE SERVICE QUALITY IN PASSENGER TRANSPORTATION**

Çetin Demirel N., Serbest G. N. , AYDIN N.

4 th International Logistics and Supply Chain Congress, İzmir, Türkiye, 29 Kasım 2006, ss.322-329

## Desteklenen Projeler

AYDIN N., TAŞKIN GÜMÜŞ A., Diğer Resmi Kurumlarca Desteklenen Proje, Afet Olaylarında Yaralıların Acil Servislere Ulaştırılmasına Yönelik Rota Optimizasyonu Ve Acil Servis Kapasitelerinin Simülasyon Tabanlı Modellenmesi: Beklenen İstanbul Depremi Uygulaması, 2017 - Devam Ediyor

AYDIN N., Desteklenmiş Diğer Projeler, Modeling and optimization of transformation of waste to energy and other industrial by products, 2012 - 2012

AYDIN N., Desteklenmiş Diğer Projeler, Operational scheduling of Operating Room (OR) Surgical Cases (Ford Hospitals/Detroit/USA), 2009 - 2010

AYDIN N., Desteklenmiş Diğer Projeler, Operational response models for disruption management at Ford Motor Company/Detroit/USA, 2007 - 2008

## Atıflar

Toplam Atıf Sayısı (WOS):234

h-indeksi (WOS):8