

## Asst. Prof. SEVAL ENE YALÇIN

### Personal Information

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### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 2010 - 2015

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 2007 - 2010

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2003 - 2007

### Research Areas

Multiobjective Optimization, Linear Programming, Global Optimization, Heuristic Methods, Integer and Mixed Integer Programming, Facility Location and Design, Modelling and Analysis of Production Systems , Service Systems Modeling and Analysis, Supply Chain and Logistics Management

### Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2021 - Continues

Research Assistant, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2008 - 2021

### Courses

Supply Chain Design, Undergraduate, 2017 - 2018

Computer Integrated Manufacturing, Undergraduate, 2017 - 2018

Sürdürülebilirlik ve Kaynak Verimliliği, Undergraduate, 2017 - 2018

Tesis Planlaması, Undergraduate, 2017 - 2018

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Grey modelling based forecasting system for return flow of end-of-life vehicles**  
ENE YALÇIN S., ÖZTÜRK N.  
TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE, vol.115, pp.155-166, 2017 (Journal Indexed in SSCI)
- II. **A genetic algorithm for minimizing energy consumption in warehouses**  
ENE YALÇIN S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.  
ENERGY, vol.114, pp.973-980, 2016 (Journal Indexed in SCI)
- III. **A hybrid metaheuristic algorithm for the green vehicle routing problem with a heterogeneous fleet**  
ENE YALÇIN S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.  
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.71, pp.75-102, 2016 (Journal Indexed in SCI)
- IV. **Network modeling for reverse flows of end-of-life vehicles**  
ENE YALÇIN S., ÖZTÜRK N.

WASTE MANAGEMENT, vol.38, pp.284-296, 2015 (Journal Indexed in SCI)

- V. **A memory structure adapted simulated annealing algorithm for a green vehicle routing problem**  
KÜÇÜKOĞLU İ., ENE YALÇIN S., AKSOY A., ÖZTÜRK N.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.5, pp.3279-3297, 2015 (Journal Indexed in SCI)
- VI. **Storage location assignment and order picking optimization in the automotive industry**  
ENE YALÇIN S., ÖZTÜRK N.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.60, pp.787-797, 2012 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **ÇELİK BORU İMALATINDA HAZIRLIK SÜRELERİNE YÖNELİK YALIN ÜRETİM VE SMED ÇALIŞMASI**  
ENE YALÇIN S., AKIN S., ELMAS B., EREN M., GÜNDÜZ T.  
Journal of Industrial Engineering, vol.31, no.1, pp.87-104, 2020 (Refereed Journals of Other Institutions)
- II. **MONTAJ HATTI PARÇA BESLEME SÜREÇLERİNİN PLANLANMASI İÇİN KURAL TABANLI SİSTEM TASARIMI**  
Ene Yalçın S., Henden B., Başaran İ., Pamuk B., Öztürk N.  
Uludağ University Journal of The Faculty of Engineering, vol.23, no.4, pp.71-82, 2018 (National Refreed University Journal)
- III. **Managing return flow of end-of-life products for product recovery operations**  
Ene S., Öztürk N.  
Global Journal of Business, Economics and Management, vol.7, no.1, pp.169-177, 2017 (Refereed Journals of Other Institutions)
- IV. **Multi-objective green supply chain network optimization**  
Ene S., Öztürk N.  
Global Journal of Business, Economics and Management, vol.7, no.1, pp.15-24, 2017 (Refereed Journals of Other Institutions)
- V. **Yeşil Tedarik Zinciri Yönetiminde Ağ Optimizasyonu Problemine Meta-Sezgisel Yaklaşım**  
Ene Yalçın S., Öztürk N.  
CBU Journal of Science, vol.12, no.3, pp.449-457, 2016 (Other Refereed National Journals)
- VI. **Open Loop Reverse Supply Chain Network Design**  
Ene S., Öztürk N.  
PROCEDIA SOCIAL AND BEHAVIORAL SCIENCES, vol.109, no.1, pp.1110-1115, 2014 (Refereed Journals of Other Institutions)
- VII. **Integrated Emission and Fuel Consumption Calculation Model for Green Supply Chain Management**  
Aksoy A., Küçükoğlu İ., Ene S., Öztürk N.  
PROCEDIA SOCIAL AND BEHAVIORAL SCIENCES, vol.109, no.1, pp.1106-1109, 2014 (Refereed Journals of Other Institutions)
- VIII. **A Green Capacitated Vehicle Routing Problem with Fuel Consumption Optimization Model**  
Küçükoğlu İ., Ene S., Aksoy A., Öztürk N.  
International Journal of Computational Engineering Research, vol.3, no.7, pp.16-23, 2013 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **A Two-Stage Model for Network Design of Closed-Loop Supply Chains Under Uncertain Environment**  
ENE YALÇIN S., ÖZTÜRK N.  
in: Theoretical Investigations and Applied Studies in Engineering, Özseven Turgut, Yaşar Ebubekir, Editor, EKİN

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Decision Support System for Supply Chain Coordination Problem**  
CANLIOĞLU D., HAMZAÇELEBİOĞLU D., GÜNGÖRMEZ O., İNKAYA T., ENE YALÇIN S.  
International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019, pp.613-621
- II. **Lean Part Flow in Magnet Production Lines**  
Akçay M. G. , Arda S., Tekin Y., ENE YALÇIN S., GÜNDÜZ T.  
Global Joint Conference on Industrial Engineering and Its Application Areas, Nevşehir, Turkey, 21 - 22 June 2018, pp.19
- III. **Montaj Hatları İçin Parça Besleme Süreçlerinin Planlanması**  
Ene Yalçın S., Henden B., Başaran İ., Pamuk B., Öztürk N.  
7. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Bursa, Turkey, 3 - 05 May 2018, pp.510-516
- IV. **Elektrikli Kamyonların Rota Optimizasyonunda Kullanılacak Bir Matematiksel Model**  
Aksoy A., Ene Yalçın S., Küçükoğlu İ., Öztürk N.  
ULTZK 2018: 7. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Bursa, Turkey, 3 - 05 May 2018, pp.1-6
- V. **Otomotiv Endüstrisinde Montaj Hattı için Hat Besleme Yöntemlerini Belirleyen Bir Sistem Tasarımı**  
Henden B., Başaran İ., Pamuk B., Ene S., Öztürk N., Kabakçı B., Hekimoğlu Ç.  
37. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, İstanbul, Turkey, 5 - 07 July 2017, pp.68
- VI. **Supplier Selection and Order Allocation in Reverse Logistics Systems**  
Ene S., Öztürk N.  
ISEAIA 2016, 4th International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016
- VII. **Forecasting for Electric Energy Demand of Turkey by Artificial Neural Networks**  
USTA Ö., ENE S., KÜÇÜKOĞLU İ., AKSOY A., ÖZTÜRK N.  
ISEAIA 2016: Fourth International Symposium on Engineering, Artificial Intelligence Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016
- VIII. **Network design for closed loop supply chains using multi objective optimization model**  
Ene S., Öztürk N.  
GJCIE 2016, Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016
- IX. **A Particle Swarm Optimization Algorithm for Integrated Forward Reverse Supply Chain Network Decisions**  
Ene S., Öztürk N.  
GJCIE 2016, Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016
- X. **Managing return flow of end of life products for product recovery operations**  
Ene S., Öztürk N.  
WCBEM 2016, 5th World Conference on Business, Economics and Management, Antalya, Turkey, 12 - 14 May 2016
- XI. **Multi objective green supply chain network optimization**  
Ene S., Öztürk N.  
WCBEM 2016, 5th World Conference on Business, Economics and Management, Antalya, Turkey, 12 - 14 May 2016
- XII. **A Genetic Algorithm Approach for Green Supply Chain Network Optimization**  
Ene S., Öztürk N.  
ISEAIA 2015, 3rd International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 4 - 06 November 2015
- XIII. **Reverse Supply Chain Network Design Using Particle Swarm Optimization Algorithm**  
Ene S., Öztürk N.

- ISEAIA 2015, 3rd International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 4 - 06 November 2015
- XIV. **Sourcing Decisions and Order Allocation with Fuzzy Demand**  
Aksoy A., Ene S., Küçüköğlü İ., Öztürk N.  
ISEAIA 2015, 3rd International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 4 - 06 November 2015
- XV. **Sourcing Decision and Order Allocations with Fuzzy Demand**  
Aksoy A., Ene S., Küçüköğlü İ., Öztürk N.  
ISEAIA 2015: Third International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.31
- XVI. **A Multi Objective Optimization Model for Reverse Supply Chain Network Design**  
Ene S., Öztürk N.  
LM-SCM 2015, XIII. International Logistics and Supply Chain Congress, İzmir, Turkey, 22 - 23 October 2015
- XVII. **Kapalı Döngü Tedarik Zincirinin Genetik Algoritma ile Modellenmesi**  
Ene S., Öztürk N.  
Yöneylem Araştırması ve Endüstri Mühendisliği 35. Ulusal Kongresi, Ankara, Turkey, 9 - 11 September 2015, pp.26
- XVIII. **Particle Swarm Optimization for Modelling Collection Network of End-of-Life Products**  
Ene Yalçın S., Öztürk N.  
LM-SCM 2014, XII. International Logistics and Supply Chain Congress, İstanbul, Turkey, 30 - 31 October 2014
- XIX. **A Genetic Algorithm Using Priority Based Encoding For Product Recovery**  
Ene S., Öztürk N.  
IMSS'14-CIE'44 Joint International Symposium, İstanbul, Turkey, 14 - 16 October 2014, pp.270-280
- XX. **A Genetic Algorithm Using Priority Based Encoding for Product Recovery Network Design**  
Ene Yalçın S., Öztürk N.  
CIE'44 IMSS'14, 44th International Conference on Computers Industrial Engineering- 9th International Symposium on Intelligent Manufacturing and Service Systems, İstanbul, Turkey, 14 - 16 October 2014
- XXI. **Time Series Forecasting with Grey Modelling**  
Ene Yalçın S., Öztürk N.  
International Congress in Honour of Professor Ravi P. Agarwal, Bursa, Turkey, 23 - 26 June 2014
- XXII. **Ürün Geri Kazanım İşlemlerinin Optimizasyonu**  
Ene S., Öztürk N.  
34. Ulusal Yöneylem Arastırması ve Endüstri Mühendisliği Kongresi, Bursa, Turkey, 25 - 27 June 2014, pp.3
- XXIII. **Heterojen Filolu Yeşil Araç Rotalama Optimizasyonu**  
Ene Yalçın S., Küçüköğlü İ., Aksoy A., Öztürk N.  
OTEKON 2014: 7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014
- XXIV. **Ömrünü Tamamlamış Araçlar için Toplama Ağının Tasarımı**  
Ene S., Öztürk N.  
OTEKON'14, 7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014, pp.1-6
- XXV. **Open loop reverse supply chain network design**  
ENE YALÇIN S., ÖZTÜRK N.  
2nd World Conference on Business, Economics and Management (BEM), Antalya, Turkey, 25 - 28 April 2013, vol.109, pp.1110-1115
- XXVI. **Integrated emission and fuel consumption calculation model for green supply chain management**  
AKSOY A., KÜÇÜKOĞLU İ., ENE YALÇIN S., ÖZTÜRK N.  
2nd World Conference on Business, Economics and Management (BEM), Antalya, Turkey, 25 - 28 April 2013, vol.109, pp.1106-1109
- XXVII. **Bütünleşik Satın Alma ve Sipariş Atama Optimizasyonu**  
Aksoy A., Ene Yalçın S., Küçüköğlü İ., Öztürk N.  
Uludağ Üniversitesi Ar-Ge Günleri, Bursa, Turkey, 12 - 14 November 2013
- XXVIII. **Yeşil Lojistik Prensiplerine Dayalı Araç Rotalama Optimizasyonu**  
Öztürk N., Aksoy A., Ene Yalçın S., Küçüköğlü İ.

Uludağ Üniversitesi Ar-Ge Günleri, Bursa, Turkey, 12 - 14 November 2013

- XXIX. **A Tabu Search Algorithm for Green Capacitated Vehicle Routing Problem**  
Küçüköğlü İ., Ene Yalçın S., Aksoy A., Öztürk N.  
ISEAIA 2013: First International Symposium on Engineering, Artificial Inteligence Applications, Girne, Cyprus (Kktc), 6 - 08 November 2013
- XXX. **Closed-Loop Logistics Network Design**  
Ene Yalçın S., Öztürk N.  
EURO 2013 - 26th European Conference on Operational Research, Rome, Italy, 1 - 04 July 2013
- XXXI. **Cross-Docking Network Design with Two Dimensional Loading Constraints**  
Küçüköğlü İ., Aksoy A., Ene Yalçın S., Öztürk N.  
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- XXXII. **Cross Docking Network Design with Two Dimesional Loading Constraints**  
Küçüköğlü İ., Aksoy A., Ene Yalçın S., Öztürk N.  
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- XXXIII. **Tersine Lojistikte Çok Ürünlü Ağ Tasarımı**  
Ene S., Öztürk N.  
ULTZK 2013, II. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Aksaray, Turkey, 16 - 18 May 2013, pp.631-638
- XXXIV. **Yeşil Lojistik Prensiplerine Dayalı Lojistik Faaliyetlerin Optimizasyonu İçin Karar Destek Sistemi Tasarımı**  
Öztürk N., Aksoy A., Ene Yalçın S., Küçüköğlü İ.  
Uludağ Üniversitesi Bilgilendirme ve AR-GE Günleri, Bursa, Turkey, 13 - 15 November 2012
- XXXV. **Otomotiv Endüstrisinde Üretim Taleplerini Toplama Optimizasyonu**  
Ene S., Öztürk N.  
YA/EM'2010 Yöneylem Araştırması ve Endüstri Mühendisliği 30. Ulusal Kongresi, İstanbul, Turkey, 30 June - 02 July 2010, pp.335
- XXXVI. **Otomotiv Endüstrisinde Depo Atama ve Üretim Taleplerini Toplama Optimizasyonu**  
Ene S., Öztürk N., Demirci F.  
OTEKON'2010 5. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 7 - 08 June 2010, pp.693-700
- XXXVII. **Storage assignment optimization for automotive assembly supply warehouses**  
Ene Yalçın S., Öztürk N., Demirci F.  
33rd FISITA World Automotive Congress, Budapest, Hungary, 30 May - 04 June 2010
- XXXVIII. **Depo İç Lojistik Hareketlerinin Optimizasyonu**  
Ene S., Öztürk N.  
YA/EM'2009 Yöneylem Araştırması ve Endüstri Mühendisliği 29. Ulusal Kongresi, Ankara, Turkey, 22 - 24 June 2009, pp.49
- XXXIX. **Tersine lojistikte bir yapay zeka yaklaşımı**  
Ene S., Aksoy A., Öztürk N.  
ÜAS'2008 VIII. Ulusal Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 24 - 25 October 2008, pp.397-402

## Supported Projects

KÜÇÜKOĞLU İ., AKSOY A., ENE YALÇIN S., Project Supported by Higher Education Institutions, Çok kaynaklı satın alma stratejileri ve sipariş atama modeli, 2013 - 2016

KÜÇÜKOĞLU İ., AKSOY A., ENE YALÇIN S., Project Supported by Higher Education Institutions, Yeşil Lojistik Prensiplerine Dayalı Lojistik Faaliyetlerinin Optimizasyonu için Karar Destek Sistemi Tasarımı, 2012 - 2015

## Citations

Total Citations (WOS):205

h-index (WOS):8