

## Assoc. Prof. DUYGU YILMAZ EROĞLU

### Personal Information

**Email:** duygueroglu@uludag.edu.tr

**Web:** <https://avesis.uludag.edu.tr/duygueroglu>

### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 2008 - 2014

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1995 - 1999

### Research Areas

Industrial Engineering

### Academic Titles / Tasks

Research Assistant PhD, Bursa Uludağ University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2009 - 2018

### Courses

Operations Research II, Undergraduate, 2017 - 2018

İnsan Kaynakları Yönetimi, Undergraduate, 2017 - 2018

Operations Research I, Undergraduate, 2017 - 2018

Applied Data Mining, Undergraduate, 2017 - 2018

Verimlilik ve Değer Analizi, Undergraduate, 2017 - 2018

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

- I. **Simulated Annealing Algorithm and Implementation Software for Fabric Cutting Problem**  
YILMAZ EROĞLU D., ORBAK A. Y.  
TEKSTİL VE KONFEKSİYON, vol.30, no.1, pp.10-19, 2020 (Journal Indexed in SCI)
- II. **Systematization, Implementation and Analysis of the Overall Throughput Effectiveness Calculation for the Finishing Processes after Weaving**  
YILMAZ EROĞLU D.  
TEKSTİL VE KONFEKSİYON, vol.29, no.2, pp.121-132, 2019 (Journal Indexed in SCI)
- III. **A novel Hybrid Genetic Local Search Algorithm for feature selection and weighting with an application in strategic decision making in innovation management**  
Yılmaz Eroğlu D., Kılıç K.  
INFORMATION SCIENCES, vol.405, pp.18-32, 2017 (Journal Indexed in SCI)
- IV. **MIP Models and Hybrid Algorithms for Simultaneous Job Splitting and Scheduling on Unrelated Parallel Machines**  
YILMAZ EROĞLU D., ÖZMUTLU H. C.

SCIENTIFIC WORLD JOURNAL, 2014 (Journal Indexed in SCI)

**V. Genetic algorithm with local search for the unrelated parallel machine scheduling problem with sequence-dependent set-up times**

Yılmaz Eroğlu D., Özmutlu H. C. , Özmutlu S.

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.52, no.19, pp.5841-5856, 2014 (Journal Indexed in SCI)

**VI. Introducing the MCHF/OVRP/SDMP: Multicapacitated/Heterogeneous Fleet/Open Vehicle Routing Problems with Split Deliveries and Multiproducts**

YILMAZ EROĞLU D., ÇAĞLAR GENÇOSMAN B., ÇAVDUR F., ÖZMUTLU H. C.

SCIENTIFIC WORLD JOURNAL, 2014 (Journal Indexed in SCI)

**VII. A GENETIC ALGORITHM FOR THE UNRELATED PARALLEL MACHINE SCHEDULING PROBLEM WITH JOB SPLITTING AND SEQUENCE-DEPENDENT SETUP TIMES - LOOM SCHEDULING**

YILMAZ EROĞLU D., ÖZMUTLU H. C. , Koksal S. A.

TEKSTİL VE KONFEKSİYON, vol.24, no.1, pp.66-73, 2014 (Journal Indexed in SCI)

## Articles Published in Other Journals

**I. Lastik Jant Birleştirme Operasyonu İçin Dış Kaynak Kullanım Kararı Benzetim Modeli**

YILMAZ EROĞLU D.

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.25, 2020 (Other Refereed National Journals)

**II. Giriş Kalite Kontrol Sürecinde Kabul-Ret Kararı Destek Sistemi**

YILMAZ EROĞLU D.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.7, no.3, pp.576-590, 2019 (Other Refereed National Journals)

**III. A Multi-Capacity Integrated Vehicle Routing and Loading Model for Pickup Milk Run**

YILMAZ EROĞLU D., Cagliano A. C. , Rafele C.

International Journal of Mechanics and Control, vol.18, no.2, pp.107-121, 2017 (Refereed Journals of Other Institutions)

**IV. Çoklu Ürün İçeren Seri Alt Sistem İçin Toplam Etkinliğin Hesaplanması**

YILMAZ EROĞLU D.

Journal of Current Researches on Engineering, Science and Technology, vol.3, no.2, pp.19-32, 2017 (Refereed Journals of Other Institutions)

## Books & Book Chapters

**I. HYBRID ALGORITHMSMIP MODELS FOR UNRELATED PARALLEL MACHINE SCHEDULING**

YILMAZ EROĞLU D.

LAP LAMBERT Academic Publishing, Saarbrücken, 2015

## Refereed Congress / Symposium Publications in Proceedings

**I. Improved Hybrid Genetic-Local Search Algorithm for Simultaneous Feature Selection and Weighting**

ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D., Beğen M.

Yazılım 2013, Bursa, Turkey, 27 - 28 September 2013, pp.4

**II. Malzeme Lojistiği İçin Geliştirilen Matematiksel Model ve Hibrit Algoritma**

YILMAZ EROĞLU D.

YA/EM 2018 (38. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi), Eskişehir, Turkey, 26 - 29 June 2018, pp.33

- III. **Capacity Planning for Support Parts for Pipe Production**  
GÜLERYÜZ E., YILDIZ P., KAYA G., YILMAZ EROĞLU D., GÜNDÜZ T.  
International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018, pp.91
- IV. **Determining the importance levels for each process in overall throughput effectiveness calculation using hybrid evolutionary algorithm**  
YILMAZ EROĞLU D.  
Global Joint Conference on Industrial Engineering and It's Application Areas GJCIE, Nevşehir, Turkey, 21 - 22 June 2018, pp.11
- V. **A Method for Determining the Most Important Innovation Factors**  
YILMAZ EROĞLU D.  
International Conference on Engineering Technology, Computer, Basic Applied Sciences (ECBA- 2016), İstanbul, Turkey, 13 - 14 October 2016, pp.14
- VI. **A Case Study on Global Supply Chain Management: Smart Method In Simulation Model**  
YILMAZ EROĞLU D.  
International Conference On Advances In Science ICAS 2016, İstanbul, Turkey, 31 August - 02 September 2016, pp.202
- VII. **OEE Approach In Textile Industry A Case Study in Finishing Of Weaving Process**  
YILMAZ EROĞLU D., ORBAK A. Y.  
International Conference On Advances In Science ICAS 2016, İstanbul, Turkey, 31 August - 02 September 2016
- VIII. **Outsourcing Decision in an Automobile Assembly Plant Simulation Model for Tire Rim Assembly**  
YILMAZ EROĞLU D.  
International Conference on Advances in Science ICAS 2016, İstanbul, Turkey, 31 August - 02 September 2016, pp.201
- IX. **Cutting Algorithm for Weaving Process of Textile Industry**  
YILMAZ EROĞLU D., ORBAK A. Y.  
International Conference On Advances In Science ICAS 2016, İstanbul, Turkey, 31 August - 02 September 2016
- X. **Hybrid Method for Large Scale Scheduling Problem**  
YILMAZ EROĞLU D.  
Global Joint Conference on Industrial Engineering and its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.495
- XI. **MIP Model and Hybrid Heuristic Solution Method for Milkrun**  
YILMAZ EROĞLU D.  
Global Joint Conference on Industrial Engineering and its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.492
- XII. **Genetic Algorithm Based Hybrid Solution for Feature Selection**  
YILMAZ EROĞLU D., ÇAĞLAR GENÇOSMAN B.  
GJCIE 2016 - Proceedings of the Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 July 2016
- XIII. **Comparison of dynamic scheduling approaches Predictive reactive scheduling vs Robust proactive scheduling in a generalized flowshop environment**  
ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D.  
GJCIE 2016 - Proceedings of the Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016
- XIV. **Comparison of Neural Network and Wrapper Methods for Decision Making Acceptance of Fabrics in Quality Control Process**  
YILMAZ EROĞLU D., ÇAĞLAR GENÇOSMAN B.  
GJCIE 2016 - Proceedings of the Global Joint Conference on Industrial Engineering and Its Application Areas, 14 - 15 July 2016
- XV. **Dynamic scheduling of generalized flowshop problems using mathematical programming**  
ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D.  
GJCIE 2016 - Proceedings of the Global Joint Conference on Industrial Engineering and Its Application Areas,

İstanbul, Turkey, 14 - 15 July 2016

- XVI. **A Hybrid Classification Method Based on Genetic Algorithm, Local Search and k-Nearest Neighbor**  
YILMAZ EROĞLU D., KILIÇ K.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2015), İstanbul, Turkey, 8 - 12 June 2015, pp.95
- XVII. **Simultaneous Routing and Loading Method for Milk-Run Using Hybrid Genetic Search Algorithm**  
YILMAZ EROĞLU D., Rafele C., Cagliano A. C. , Murat S. S. , Ippolito M.  
The 12th International Logistics and Supply Chain Congress, İstanbul, Turkey, 30 - 31 October 2014, pp.48-57
- XVIII. **Improved MIP Model for Parallel Machines' Scheduling Problem**  
YILMAZ EROĞLU D., ÖZMUTLU H. C.  
International Congress in Honour of Professor Ravi P. Agarwal, Bursa, Turkey, 23 - 26 June 2014, pp.54
- XIX. **Combined use of Constraint Programming and Mixed Integer Programming: A case study in Stamping Scheduling.**  
ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D., Beğen M.  
INTERNATIONAL CONFERENCE on BUSINESS, MANAGEMENT, ECONOMICS and FINANCE, 4 - 05 October 2013
- XX. **Performance comparison between Character N-gram and Levenshtein edit-distance for automatic topic identification in search engines**  
ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D., ÖZMUTLU H. C.  
International Software Conference and Exhibition, 27 - 28 September 2013
- XXI. **Simultaneous feature selection and weighting: A new approach based on genetic algorithm with local search**  
YILMAZ EROĞLU D., KILIÇ K., ÖZMUTLU H. C.  
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013, pp.56
- XXII. **Automatic New Topic Identification in Search Engine Transaction Log Using Goal Programming**  
ÇAVDUR F., ÖZMUTLU S., ÖZMUTLU H. C. , YILMAZ EROĞLU D., ÇAĞLAR GENÇOSMAN B.  
Proceedings of the 2012 International Conference on Industrial Engineering and Operations Management, 3 - 06 July 2012
- XXIII. **Açık Uçlu Araç Rotalama Probleminde Genetik Algoritma Yaklaşımı**  
ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D., ÇAVDUR F., ÖZMUTLU S., ÖZMUTLU H. C.  
Yöneylem Araştırması ve Endüstri Mühendisliği 32. Ulusal Kongresi (YA/EM 2012), Turkey, 20 June 2012

## Citations

Total Citations (WOS):63

h-index (WOS):3