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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-1079-2021

ScopusID: 56120864000

Yoksis Researcher ID: 155486

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Turkey 2008 - 2014

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (YI) (Tezli), Turkey 2000 - 2003

Undergraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey 1995 - 1999

Research Areas

Industrial Engineering

Academic Titles / Tasks

Research Assistant PhD, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ, 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hybrid Oversampling and Undersampling Method (HOUM) via Safe-Level SMOTE and Support Vector Machine**
YILMAZ EROĞLU D., Pir M. S.
Applied Sciences (Switzerland), vol.14, no.22, 2024 (SCI-Expanded)
- II. **An Adapted Ant Colony Optimization for Feature Selection**
YILMAZ EROĞLU D., Akcan U.

- APPLIED ARTIFICIAL INTELLIGENCE, vol.38, no.1, 2024 (SCI-Expanded)
- III. **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 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **Solution method for a large-scale loom scheduling problem with machine eligibility and splitting property**
Eroglu D., Ozmutlu H. C.
JOURNAL OF THE TEXTILE INSTITUTE, vol.108, no.12, pp.2154-2165, 2017 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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., Koksall S. A.
TEKSTİL VE KONFEKSİYON, vol.24, no.1, pp.66-73, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of Risk Factors Causing Occupational Accidents in the Textile Sector Using Data Mining Methods**
Tunçman B., GÜNDÜZ T., YILMAZ EROĞLU D.
Avrupa Bilim ve Teknoloji Dergisi, vol.53, no.1, pp.84-96, 2024 (Peer-Reviewed Journal)
- II. **Lastik Jant Birleştirme Operasyonu İçin Dış Kaynak Kullanım Kararı Benzetim Modeli**
YILMAZ EROĞLU D.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.25, 2020 (Peer-Reviewed Journal)
- III. **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 (Peer-Reviewed Journal)
- IV. **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 (Scopus)
- V. **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 (Peer-Reviewed Journal)

Books & Book Chapters

I. HYBRID ALGORITHM SMIP 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**
ÇAĞLAR GENÇOSMAN B., YILMAZ EROĞLU D., 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

Supported Projects

Yılmaz Eroğlu D., TUBITAK Project, LEO SUSTAINABILITY - PROSES BAZINDA KARBON AYAK İZİ HESAPLANMASI VE AZALTILMASINA YÖNELİK YAZILIM GELİŞTİRİLMESİ, 2022 - 2023

Yılmaz Eroğlu D., TUBITAK Project, LEO SMART YARN LAB - LOOM (DOKUMA SÜRECİNDE İPLİK KAYNAKLI KOPUŞLARI AZALTMA Yİ HEDEFLEYEN KARAR DESTEK SİSTEMİ, 2019 - 2020

Orbak A. Y., Yılmaz Eroğlu D., TUBITAK Project, Tekstil Saha Otomasyonu ve Üretim Verimliliği Projesi, 2015 - 2017

Yılmaz Eroğlu D., Orbak A. Y., TUBITAK Project, Leo Opt Smart Projesi (Tekstilde kumaş topu kesme ve sarma problemi için karar destek algoritması), 2015 - 2016

Metrics

Publication: 39

Citation (WoS): 106

Citation (Scopus): 149

H-Index (WoS): 4

H-Index (Scopus): 5

Non Academic Experience

Tofaş A.Ş

Farba A.Ş.

Gökçelik Ltd. Şti.