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Education Information

Doctorate, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2012 - 2017

Post Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2006 - 2009

Under Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2002 - 2006

Research Areas

Industrial Engineering , Optimization Theory and Methods, Heuristic Methods, Production Planning and Control, Scheduling, Modelling and Analysis of Production Systems , Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Abdullah Gül Üniversitesi, Yönetim Bilimleri Fakültesi, İşletme, 2018 - Continues

Research Assistant, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 2011 - 2018

Professional Experience

Vice Dean, Abdullah Gul University, Yönetim Bilimleri Fakültesi, İşletme, 2020 - Continues

Head of Department, Abdullah Gul University, Yönetim Bilimleri Fakültesi, İşletme, 2018 - Continues

Deputy Head of Department, Abdullah Gul University, Yönetim Bilimleri Fakültesi, İşletme, 2018 - Continues

Courses

Management Information Systems, Under Graduate, 2019 - 2020

Quality Management, Under Graduate, 2020 - 2021

Linear programming for Data Science, Post Graduate, 2020 - 2021

Management Science, Under Graduate, 2019 - 2020

Modern Manufacturing System, Under Graduate, 2019 - 2020

Supply Chain Management, Under Graduate, 2020 - 2021

Operations Management, Under Graduate, 2020 - 2021

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

- Greedy randomized adaptive search for dynamic flexible job-shop scheduling

BAYKASOĞLU A., MADENOĞLU F. S. , Hamzadayı A.

JOURNAL OF MANUFACTURING SYSTEMS, vol.56, pp.425-451, 2020 (Journal Indexed in SCI)

● **Solving comprehensive dynamic job shop scheduling problem by using a GRASP-based approach**
Baykasoglu A., Karaslan F. S.

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.55, pp.3308-3325, 2017 (Journal Indexed in SCI)

● **A new fuzzy linear assignment method for multi-attribute decision making with an application to spare parts inventory classification**

Baykasoglu A., Subulan K., Karaslan F. S.

APPLIED SOFT COMPUTING, vol.42, pp.1-17, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

● **Personnel Selection By Using Fuzzy Hybrid Multi Criteria Decision Making Methodology**

Madenoğlu F. S.

Anemon Muş Alparslan Üniversitesi Sosyal Bilimler Dergisi, vol.8, pp.953-962, 2020 (National Refreed University Journal)

● **Goal Programming and Gray Relation Analysis Methods for Green Supplier Selection**

Madenoğlu F. S.

İşletme Araştırmaları Dergisi, vol.12, pp.955-972, 2020 (Other Refereed National Journals)

● **GREEN SUPPLIER SELECTION IN FUZZY MULTI CRITERIA DECISION MAKING ENVIRONMENT**

Madenoğlu F. S.

BUSINESS & MANAGEMENT STUDIES: AN INTERNATIONAL JOURNAL, vol.7, pp.1850-1869, 2019 (Refereed Journals of Other Institutions)

● **SOLVING THE HYBRID FLOW SHOP SCHEDULING PROBLEM USING HEURISTIC ALGORITHMS**

Madenoğlu F. S.

BUSINESS & MANAGEMENT STUDIES: AN INTERNATIONAL JOURNAL , vol.7, pp.14-25, 2019 (Refereed Journals of Other Institutions)

● **Kril sürüsü algoritması ile atölye çizelgeleme (Job shop scheduling with krill herd algorithm)**

GÖLCÜK İ., BAYKASOĞLU A., KARASLAN F. S.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Mühendislik Bilimleri Dergisi, pp.61-75, 2014 (National Refreed University Journal)

Books & Book Chapters

● **Yöneylem Araştırmalarında Büyük Veri**

Madenoğlu F. S.

in: EKONOMİ VE İŞLETMEDE GÜNCEL YAKLAŞIMLAR: Büyük Veri, Dijital Pazarlama, Kamu Politikaları, Harika Süklün, Editor, Gazi Kitabevi, Ankara, pp.22-43, 2020

Refereed Congress / Symposium Publications in Proceedings

● **SUPPLIER SELECTION WITH SWARA-TOPSIS: A CASE STUDY ON A MANUFACTURING COMPANY**

Madenoğlu F. S.

ULUSLARARASI İŞLETMECİLİK KONGRESİ , Osmaniye, Turkey, 2 - 04 May 2019, pp.2233-2239

● **Dual-Resource Constrained Flexible Job Shop Scheduling Problem with Weighted Superposition Attraction Algorithm**

Madenoğlu F. S. , Baykasoglu A.

International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Nevşehir, Turkey,

5 - 07 July 2019, pp.167-170

Metaheuristic Approach to Dual-Resource Constrained Job Shop Scheduling Problem

Madenoğlu F. S. , Baykasoğlu A.

International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Turkey, 27 - 29 June 2018, pp.95

HEURISTIC ALGORITHMS FOR THE HYBRID FLOWSHOP SCHEDULING PROBLEM WITH MISSING OPERATIONS, TRANSPORTATION TIMES AND SEQUENCE DEPENDENT SETUP TIMES

Madenoğlu F. S.

ULUSLARARASI İŞLETMECİLİK KONGRESİ , Osmaniye, Turkey, 2 - 04 May 2019, pp.2221-2232

Weighted Superposition Attraction Algorithm for Type II Two-Sided Assembly Line Balancing Problem

Madenoğlu F. S. , Baykasoğlu A., Özbakır L.

International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Turkey, 27 - 29 June 2018, pp.96

Metaheuristic Approach to Joint Preventive Maintenance and Dynamic Flexible Job Shop Scheduling
KARASLAN F. S. , BAYKASOĞLU A.

International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.771

Analyzing the Effect of Machine Flexibility on the Scheduling Performance through Dynamic Job Shop Scheduling System

KARASLAN F. S. , BAYKASOĞLU A.

International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.772

A Grasp Algorithm for flexible job shop scheduling problem

KARASLAN F. S. , BAYKASOĞLU A.

Uluslararası Katılımlı Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016, pp.198-202

Event Driven Dynamic Job Shop Scheduling Under Capacity Constraints

BAYKASOĞLU A., KARASLAN F. S.

Global Joint Conference on Industrial Engineering and Its Application Areas 2016, İstanbul, Turkey, 14 - 15 July 2016, pp.305-312

DYNAMIC JOB SHOP SCHEDULING WITH PERIODIC AND EVENTDRIVEN RESCHEDULING METHODS

BAYKASOĞLU A., KARASLAN F. S.

17th International Symposium on Econometrics, Operations Research and Statistics, Sivas, Turkey, 2 - 04 June 2016, pp.799-807

Sezgisel yaklaşımlar ile dinamik atölye çizelgeleme probleminin çözümü

BAYKASOĞLU A., KARASLAN F. S. , HAMZADAYI A.

15. Üretim Araştırmaları Sempozyumu, İzmir, Turkey, 14 - 16 October 2015

İki taraflı rastsal montaj hattı dengeleme ve bir işletmeye uygulanması

KARASLAN F. S. , ÖZBAKIR L., BAYKASOĞLU A., AKPINAR Ş.

YA/EM 2014: Yöneylem Araştırması / Endüstri Mühendisliği Kongresi 35. Ulusal Kongresi, Ankara, Turkey, 9 - 11 September 2015

Açgözlü rastsallaştırılmış uyarlamalı arama algoritmasının farklı yerel arama yapılarıyla akış tipi çizelgeleme problemlerine uygulanması

BAYKASOĞLU A., KARASLAN F. S. , HAMZADAYI A., GÖLCÜK İ.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, İzmir, Turkey, 9 - 10 October 2014

Kril sürüsü algoritmasının atölye çizelgeleme problemlerine uygulanması

GÖLCÜK İ., BAYKASOĞLU A., KARASLAN F. S.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, İzmir, Turkey, 9 - 10 October 2014

Farkli yaklaşımlar kullanılarak atölyelerin dinamik olarak çizelgenmesi probleminin çözümü

BAYKASOĞLU A., KARASLAN F. S.

14. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 3 - 05 September 2014

- **GRASP based algorithms for dynamic job-shop scheduling with sequence-dependent setup times**
KARASLAN F. S. , BAYKASOĞLU A., HAMZADAYI A.
IFORS 2014, Barcelona, Spain, 13 - 18 July 2014, pp.155
- **Fully fuzzy linear assignment method for MADM problems**
BAYKASOĞLU A., SUBULAN K., KARASLAN F. S.
YA/EM 2014: Yöneylem Arastirmasi / Endüstri Mühendisligi Kongresi 34. Ulusal Kongresi, Bursa, Turkey, 25 - 27 June 2014
- **Two sided assembly line balancing: a case study**
KARASLAN F. S. , ÖZBAKIR L., BAYKASOĞLU A.
EURO | INFORMS 2013: 26th European Conference on Operational Research, Roma, Italy, 1 - 04 July 2013, pp.173
- **A review of dynamic scheduling problems**
BAYKASOĞLU A., KARASLAN F. S.
YA/EM 2013: Yöneylem Arastirmasi / Endüstri Mühendisligi Kongresi 33. Ulusal Kongresi, International IIE Conference,, İstanbul, Turkey, 26 - 28 June 2013

Scientific Refereeing

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Journal Indexed in SCI-E, April 2020

COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, September 2019

International Journal of Intelligent Computing and Cybernetics, Journal Indexed in ESCI, February 2019

Citations

Total Citations (WOS):28

h-index (WOS):2

Scholarships

TÜBİTAK Yüksek Başarı Bursu 2006, TUBİTAK, 2006 - Continues