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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAK-9538-2021

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 2010 - 2014

Postgraduate, Islamic Azad University - Arak, Iran 2006 - 2010

Undergraduate, Payame Noor University, Iran 2002 - 2007

Dissertations

Doctorate, Maliyet tabanlı stokastik montaj hattı dengeleme problemi için modelleme ve çözüm yaklaşımları, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 2014

Postgraduate, Solving cell formation problem in cellular manufacturing considering sequence of operation and alternative process plans, Islamic Azad University - Arak, 2010

Academic Titles / Tasks

Associate Professor, Ondokuz Mayıs University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2022 - Continues

Ondokuz Mayıs University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2015 - 2022

Academic and Administrative Experience

Ondokuz Mayıs University, 2020 - 2022

Ondokuz Mayıs University, 2015 - 2022

Courses

İş Yükleme ve Çizelgeleme, Postgraduate, 2021 - 2022, 2017 - 2018

Benzetim, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

İş Yükleme ve Çizelgeleme/Bahar Yarıyılı, Postgraduate, 2020 - 2021

Sezgisel Metotlar, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

İş Yükleme ve Çizelgeleme/Güz Yarıyılı, Postgraduate, 2020 - 2021, 2019 - 2020

Tesis Tasarımı ve Planlaması, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016

Endüstri Mühendisliği Tasarımı, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016

Bitirme Çalışması, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Modern Üretim Prosesleri, Undergraduate, 2020 - 2021, 2019 - 2020, 2015 - 2016
Sistem Analizi, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016
İş Yükleme ve Çizelgeleme/Bahr Yarıyılı, Postgraduate, 2019 - 2020
Yöneylem Araştırması, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Karar Teorisi ve Analizi, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Bulanık Karar Verme Teorisi, Postgraduate, 2015 - 2016
Benzetim, Undergraduate, 2014 - 2015
Bitirme Çalışması, Undergraduate, 2014 - 2015
Karar Teorisi ve Analizi, Undergraduate, 2014 - 2015
Optimizasyonda Sezgisel Metotlar, Undergraduate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A mathematical model for line-seru conversion and scheduling problem in seru production system**
Furugi A., Haliloglu M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.3, pp.1213-1223, 2022 (SCI-Expanded)
- II. **Sequence-dependent time- and cost-oriented assembly line balancing problems: a combinatorial Benders' decomposition approach**
Furugi A.
ENGINEERING OPTIMIZATION, vol.54, no.1, pp.170-184, 2022 (SCI-Expanded)
- III. **Optimization of Production Parameters in Oriented Strand Board (OSB) Manufacturing by Using Taguchi Method**
Furugi A., Yapıcı F.
DRVNA INDUSTRIJA, vol.72, no.4, pp.347-352, 2021 (SCI-Expanded)
- IV. **A tabu search algorithm for the unrelated parallel machine scheduling problem with machine availability constraint and sequence-dependent setup time**
Furugi A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1540-1549, 2021 (SCI-Expanded)
- V. **A multiple rule-based genetic algorithm for cost-oriented stochastic assembly line balancing problem**
Foroughi A., GÖKÇEN H.
ASSEMBLY AUTOMATION, vol.39, no.1, pp.124-139, 2019 (SCI-Expanded)
- VI. **THE COST-ORIENTED STOCHASTIC ASSEMBLY LINE BALANCING PROBLEM: A CHANCE CONSTRAINED PROGRAMMING APPROACH**
Foroughi A., GÖKÇEN H., Tiacci L.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.23, no.6, pp.412-430, 2016 (SCI-Expanded)
- VII. **Cost oriented stochastic assembly line balancing problem Maliyet tabanlı stokastik montaj hattı dengeleme problem**
Furugi A., GÖKÇEN H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.29, no.3, pp.469-476, 2014 (SCI-Expanded)
- VIII. **A new approach to the cell formation problem with alternative processing routes and operation sequence**
Solimanpur M., Furugi A.
International Journal of Production Research, vol.49, no.19, pp.5833-5849, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **A mathematical model for routing medical waste collection vehicles: an application in Samsun**
FURUGİ A.
Journal of the Turkish Operations Management (JTOM), vol.5, no.2, pp.862-871, 2021 (Peer-Reviewed Journal)
- II. **SAĞLIK SEKTÖRÜNDE YALIN FELSEFE**
Taşdemir N. Z., YAPICI F., BAŞ H., FURUGİ A.
Samsun Sağlık Bilimleri Dergisi, vol.6, no.1, pp.1-6, 2021 (Peer-Reviewed Journal)
- III. **Optimum route selection in hole-making operations using a dynamic programming-based method**
Solimanpur M., Foroughi A., Mohammadi M.
COGENT ENGINEERING, vol.3, no.1, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Position-based New Mathematical Model for Type II Assembly Line Balancing Problem with Sequence-dependent Setup Time**
FURUGİ A.
2nd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 March 2022
- II. **Bloklama Kısıtı ve Sıra Bağımlı Kurulum Süresi ile Akış Tipi Çizelgeleme Problemi İçin Matematiksel Model Önerisi**
FURUGİ A.
1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 1 - 03 November 2021, pp.748
- III. **Developing Web-Based Software For Scheduling and Order Acceptance Problem of A Boiler Production Company**
FURUGİ A., ELEVİLİ B.
2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), Lviv, Ukraine, 18 - 20 September 2019, pp.54
- IV. **Çalışma Ortamının Ergonomik Açından Değerlendirilmesi: Gıda İmalat Sanayi Örnek Uygulaması**
ÖZER B., YAPICI F., FURUGİ A., ELEVİLİ B., ÖZTÜRK H.
25. Ulusal Ergonomi Kongresi, Samsun, Turkey, 18 - 20 October 2019
- V. **Implementation of 5s in Boiler Manufacturing Industry**
ELEVİLİ S., ÖZTÜRK H., BAŞ H., ELEVİLİ B., FURUGİ A.
1st International Technology Sciences and Desing Symposium (ITESDES), Giresun, Turkey, 27 - 29 June 2018, pp.413
- VI. **Nurse Scheduling Problem and an Application in a Private Hospital**
FURUGİ A., ÖZTÜRK H.
International Conference on Computational and Statistical Methods in Applied Sciences (COSTAS), Samsun, Turkey, 9 - 11 November 2017, pp.122-123
- VII. **Capacitated vehicle routing problem: A case in employee shuttle service**
FURUGİ A., ELEVİLİ B., ÖZTÜRK H.
II International Conference on Economics, Business Management and Social Sciences (ICEBSS), Belgrade, Serbia, 10 - 14 May 2017, pp.83
- VIII. **Kargo firması için araç rotalama ve atama probleminin çözümü**
ELEVİLİ B., FURUGİ A., Sarıgül E., Şahin L.
Uluslararası katılımlı 15. Üretim araştırmaları sempozyumu, İzmir, Turkey, 14 October 2015
- IX. **A Two-Stage Solution Approach Based on Mathematical Programming for Designing Manufacturing Cells**
SOLIMANPUR M., FURUGİ A.
3rd International Conference on Industrial Engineering and Operations Management (IEOM 2012), İstanbul,

Turkey, 3 - 06 July 2012

- X. **Solving Cell Formation Problem Considering Operation Sequence and Alternative Process Routing**
Solimanpur M., Furugi A.
2th International Conference of Iranian Operations Research Society, Babol, Iran, 20 - 22 May 2009, pp.111-114

Supported Projects

Elevli B., Furugi A., ANADOLU ISI'DA ÜRETİM SÜREÇLERİ İYİLEŞTİRME VE İŞ ÇİZELGELEME MODELİ OLUŞTURMA, 2017
- 2019