

Prof. FEYZAN ARIKAN ÖKTEMER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-2637-2022

ScopusID: 6603901656

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Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 1998 - 2002

Postgraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 1994 - 1997

Undergraduate, Gazi University, Mühendislik Fakültesi, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Measurement and Evaluation, MPM- REFA İş Etüdü A Kursu, National Productivity Centre, 1991

Dissertations

Doctorate, A Fuzzy Multiobjective Mathematical Programming Model and Solution Approach for the Design of Cellular Manufacturing Systems, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2002

Postgraduate, An Application of Fuzzy Goal Programming to a Multiobjective Project Network Problem, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 1996

Research Areas

Industrial Engineering

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2021 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2014 - 2021

Assistant Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2005 - 2013

Research Assistant PhD, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2002 - 2005
Researcher, Ohio University, Russ College of Engineering and Technology, The Department of Industrial and Manufacturing Systems Engineering, 2004 - 2004
Research Assistant, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 1994 - 2002

Academic and Administrative Experience

Deputy Head of Department, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2007 - 2010

Courses

MATHEMATICAL MODELING, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
MÜHENDİSLİK EKONOMİSİ, Undergraduate, 2021 - 2022, 2019 - 2020, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
OPERATIONS RESEARCH (I), Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
ENGINEERING ECONOMY, Undergraduate, 2021 - 2022, 2020 - 2021
LINEAR ALGEBRA, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2007 - 2008, 2006 - 2007, 2005 - 2006

Advising Theses

Arıkan F., Metal sektöründe yer alan bir işletme için çok kriterli risk analizi, Postgraduate, S.ESRA(Student), 2019
Arıkan F., An Integrated Model Proposal For Production Planning And Class Based Storage Location Assignment Problem In Order Picking Systems, Doctorate, M.AKİF(Student), 2019
Arıkan F., Analysing Turkish Air Force Material Requirement Planning Buy List Results Via Madm Techniques, Postgraduate, U.YAĞLI(Student), 2017
Arıkan F., Bir kamu kurumunda görev yapan denetim görevlileri için görev atama problemi ve çözümü, Postgraduate, S.SÖZEN(Student), 2017
Arıkan F., Evaluating the effects of supports provided to SME's on SME performance by means of multi-attribute decision making techniques, Postgraduate, M.AKİF(Student), 2014
Arıkan F., Order picking strategy selection problem in a logistics firm and its solution, Postgraduate, A.CAN(Student), 2014
Arıkan F., Group scheduling problem with sequence dependent setup times in cellular manufacturing systems and a solution approach, Doctorate, G.KILIÇ(Student), 2014
Arıkan F., Multi attribute inventory classification in an electronic firm, Postgraduate, Ş.ÇITAK(Student), 2013
Arıkan F., Multi criteria subcontractor selection problem and solution for a defence industry firm, Postgraduate, Ş.CAN(Student), 2012
Arıkan F., Supplier selection - evaluation problem and its solution for purchase action in a public setting, Postgraduate, Y.SİNA(Student), 2011
Arıkan F., Performance and efficiency evaluation study of Turkish state airports, Postgraduate, A.KIRANKABEŞ(Student), 2011
Arıkan F., A MULTI OBJECTIVE MATHEMATICAL PROGRAMMING APPROACH FOR HUMAN-MACHINE CELL FORMATION PROBLEM IN CELLULAR MANUFACTURING SYSTEMS, Postgraduate, G.KILIÇ(Student), 2008
Arıkan F., EVALUATION OF EQUIPMENT INVESTMENT PROJECTS IN AIR DEFENCE SECTOR BY FUZZY AHP, Postgraduate, S.KAPLAN(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An integrated model for production planning and class based storage location assignment problem in order picking systems**
Yerlikaya M. A., Arikan F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.3, pp.1703-1712, 2022 (SCI-Expanded)
- II. **A Hierarchical Solution Approach for Occupational Health and Safety Inspectors' Task Assignment Problem**
Arikan F., Sozen S. K.
SAFETY AND HEALTH AT WORK, vol.12, no.2, pp.154-166, 2021 (SCI-Expanded)
- III. **Multiple Criteria Inventory Classification in an Electronics Firm**
Arikan F., Citak S.
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.16, no.2, pp.315-331, 2017 (SCI-Expanded)
- IV. **Constructing the performance effectiveness order of SME supports programmes via Promethee and Oreste techniques**
Yerlikaya M. A., Arikan F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.4, pp.1007-1016, 2016 (SCI-Expanded)
- V. **An interactive solution approach for multiple objective supplier selection problem with fuzzy parameters**
Arikan F.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.26, no.5, pp.989-998, 2015 (SCI-Expanded)
- VI. **Multiple Objective Fuzzy Sourcing Problem with Multiple Items in Discount Environments**
Arikan F.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2015, 2015 (SCI-Expanded)
- VII. **A Two-Phased Additive Approach for Multiple Objective Supplier Selection with Fuzzy Demand Level**
Arikan F.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.22, pp.373-385, 2014 (SCI-Expanded)
- VIII. **A modified augmented max min model for weighted fuzzy goal programming**
Arikan F.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.27, no.1, pp.339-350, 2014 (SCI-Expanded)
- IX. **MULTI CRITERIA SUBCONTRACTOR SELECTION PROBLEM AND ITS SOLUTION FOR A DEFENCE INDUSTRY FIRM**
Can S., Arikan F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.4, pp.645-654, 2014 (SCI-Expanded)
- X. **A fuzzy solution approach for multi objective supplier selection**
Arikan F.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.947-952, 2013 (SCI-Expanded)
- XI. **A SUPPLIER SELECTION-EVALUATION PROBLEM FOR THE PURCHASE ACTION AND ITS SOLUTION**
Arikan F., Kucukce Y. S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.2, pp.255-264, 2012 (SCI-Expanded)
- XII. **Modeling of a manufacturing cell design problem with fuzzy multi-objective parametric programming**
Arikan F., Gungor Z.
MATHEMATICAL AND COMPUTER MODELLING, vol.50, pp.407-420, 2009 (SCI-Expanded)
- XIII. **Effects of different fuzzy operators on fuzzy bi-objective cell loading problem in labor-intensive manufacturing cells**
Suer G. A., Arikan F., Babayigit C.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.56, no.2, pp.476-488, 2009 (SCI-Expanded)

- XIV. **Bi-objective cell loading problem with non-zero setup times with fuzzy aspiration levels in labour intensive manufacturing cells**
Sueer G. A., Arikan F., Babayigit C.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.46, no.2, pp.371-404, 2008 (SCI-Expanded)
- XV. **A two-phase approach for multi-objective programming problems with fuzzy coefficients**
Arikan F., Guengoer Z.
INFORMATION SCIENCES, vol.177, no.23, pp.5191-5202, 2007 (SCI-Expanded)
- XVI. **Using fuzzy decision making system to improve quality-based investment**
Guengoer Z., Arikan F.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.18, no.2, pp.197-207, 2007 (SCI-Expanded)
- XVII. **A parametric model for cell formation and exceptional elements' problems with fuzzy parameters**
Arikan F., Gungor Z.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.16, no.1, pp.103-114, 2005 (SCI-Expanded)
- XVIII. **An application of fuzzy goal programming to a multiobjective project network problem**
Arikan F., Gungor Z.
FUZZY SETS AND SYSTEMS, vol.119, no.1, pp.49-58, 2001 (SCI-Expanded)
- XIX. **A fuzzy outranking method in energy policy planning**
Gungor Z., Arikan F.
FUZZY SETS AND SYSTEMS, vol.114, no.1, pp.115-122, 2000 (SCI-Expanded)
- XX. **Application of fuzzy decision making in part-machine grouping**
Gungor Z., Arikan F.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.63, no.2, pp.181-193, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Novel Framework for Production Planning and Class-based Storage Location Assignment: Multi-Criteria Classification Approach**
Yerlikaya M. A., Arikan F.
HELIYON, vol.0, no.0, 2024 (Scopus)
- II. **A Multiple Criteria Risk Analysis Model and a Case Study in Metal Industry**
Çiftçi S. E., Arikan F.
Open Journal of Business and Management, vol.8, no.5, pp.2048-2070, 2020 (Peer-Reviewed Journal)
- III. **Hava Kuvvetleri Komutanlığı Malzeme İhtiyaç Planlaması Tedarik Tavsiye Listesinin ÇKKV Yöntemleri ile Analizi**
Yağlı U., Arikan F.
Savunma Bilimleri Dergisi, vol.17, no.1, pp.47-73, 2018 (Peer-Reviewed Journal)
- IV. **Accreditation-based Supplier Selection by CRITIC-TOPSIS Integrated Approach**
Yerlikaya M. A., Arikan F.
The International New Issues in Social Sciences, vol.5, no.5, pp.627-635, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Human-Part-Machine Cell Formation: Considering Human Issues in Cellular Manufacturing**
Kilic Oger G., Arikan F.
in: Cellular Manufacturing Systems: Recent Developments, Analysis and Case Studies, Gürsel A. Süer, Mitsuo Gen, Editor, NOVA Science Publishers Inc., Ohio, pp.267-301, 2017
- II. **Multi-Objective Fuzzy Cell Scheduling**
Manjeet S. M., Süer G. A., Arikan F.
in: Cellular Manufacturing Systems: Recent Developments, Analysis and Case Studies, Gürsel A. Süer, Mitsuo Gen,

Editor, NOVA Science Publishers Inc., Ohio, pp.533-560, 2017

- III. **Design of Order-Picking System and Selecting Picking Strategies in a 3PL Firm for Serving Fashion Retailing Companies**
Can A., Arıkan F.
in: Analytical Modeling Research in Fashion Business, Tsan-Ming Choi, Editor, SPRINGER, Singapore, pp.197-236, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Depo ürün atama problemi için en iyi alternatif konumun KRİTİK VİKOR ile belirlenmesi**
Yerlikaya M. A., Arıkan F.
International Academic Research Congress, Antalya, Turkey, 30 October - 03 November 2018, pp.1691-1697
- II. **AHP-KRİTİK ve TOPSİS Bütünleşik Yaklaşımı İle Akreditasyon-Temelli Tedarikçi Seçimi**
Yerlikaya M. A., Arıkan F.
III. Uluslararası Kafkasya Orta Asya Dış Ticaret Ve Lojistik Kongresi, Kastamonu, Turkey, 19 - 21 October 2017
- III. **Hava Kuvvetleri Komutanlığı MRP Tedarik Tavsiye Listesinin ÇKKV Yöntemleri İle Analizi**
Yağlı U., Arıkan F.
2. Uluslararası Savunma Sanayii Sempozyumu, Kırıkkale, Turkey, 6 - 07 April 2017
- IV. **Depolama Alanı Ürün Atama Problemi İçin En İyi Alternatif Konumun Çok Kriterli Karar Verme Yöntemleri ile Belirlenmesi**
Yerlikaya M. A., Arıkan F.
1. Uluslararası Akdeniz Bilim ve Mühendislik Kongresi (1st International Mediterranean Science and Engineering Congress), Adana, Turkey, 26 - 28 October 2016
- V. **AHP ORESTE PROMETHEE Bütünleşik Yaklaşımı İle Çevresel Sürdürülebilirliği Destekleyen Tedarikçi Seçimi**
Yerlikaya M. A., Arıkan F.
17. Uluslararası Ekonometri Yöneylem Araştırması Ve İstatistik Sempozyumu, Sivas, Turkey, 2 - 04 June 2016
- VI. **AHP ve PROMETHEE Yöntemleri İle Akreditasyon Temelli Tedarikçi Seçimi Accreditation based Supplier Selection by AHP PROMETHEE**
Yerlikaya M. A., Arıkan F.
Integrated Approach International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016
- VII. **Fuzzy decision making for multiple sourcing and order allocation with price discounts**
ARIKAN ÖKTEMER F.
Joint International Symposium on "The Social Impacts of Developments in Information, Manufacturing and Service Systems" 44th International Conference on Computers and Industrial Engineering, CIE 2014 and 9th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2014, İstanbul, Turkey, 14 - 16 October 2014, pp.120-133
- VIII. **Multi-criteria inventory classification problem in an electronic firm and its solution by AHP-TOPSIS-ABC integrated approach**
ÇITAK S., ARIKAN ÖKTEMER F.
Joint International Symposium on "The Social Impacts of Developments in Information, Manufacturing and Service Systems" 44th International Conference on Computers and Industrial Engineering, CIE 2014 and 9th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2014, İstanbul, Turkey, 14 - 16 October 2014, pp.148-162
- IX. **A TWO-PHASED ADDITIVE APPROACH FOR MULTIPLE OBJECTIVE SUPPLIER SELECTION WITH FUZZY DEMAND LEVEL**
Arıkan F.
10th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), İstanbul, Turkey, 26 - 29 August 2012, vol.7, pp.513-518

X. Effects of different fuzzy operators on fuzzy bi-objective cell loading problem in labor intensive manufacturing cells

Süer G. A., ARIKAN ÖKTEMER F., Babayigit C.

35th International Conference on Computers and Industrial Engineering, ICC and IE 2005, İstanbul, Turkey, 19 - 22 June 2005, pp.1825-1830

Supported Projects

ARIKAN ÖKTEMER F., Project Supported by Higher Education Institutions, Çok Amaçlı Miktar İndirimli Bulanık Tedarikçi Seçimi Problemi ve Çözüm Yaklaşımı, 2012 - 2014

ARIKAN ÖKTEMER F., Project Supported by Higher Education Institutions, Bir Savunma Sanayii Firmasında Promethee Yöntemi ile Alt Yüklenici Seçimi, 2011 - 2012

ARIKAN ÖKTEMER F., Project Supported by Higher Education Institutions, Grup Teknolojisinde Eşzamanlı Makine ve İnsan Hücrelerinin Oluşturulması: Çok Amaçlı Bulanık Matematiksel Bir Yaklaşım, 2007 - 2009

Metrics

Publication: 37

Citation (WoS): 431

Citation (Scopus): 549

H-Index (WoS): 11

H-Index (Scopus): 12

Scholarships

TUBİTAK -NATO B1 Bilimsel Programı Doktora Sonrası Araştırma Bursu, TUBİTAK, 2004 - 2004

Non Academic Experience

Ohio University, The Department of Industrial and Manufacturing Systems Engineering