

Prof. ADİL BAYKASOĞLU

Personal Information

Web: <https://avesis.deu.edu.tr/adil.baykasoglu>

Address: Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Tınaztepe Yerleşkesi, Adatepe Mah. Doğu Cad. No: 207-E, 35397 Buca, İzmir

International Researcher IDs

ScholarID: zj6t4sYAAAAJ

ORCID: 0000-0002-4952-7239

Publons / Web Of Science ResearcherID: G-4311-2010

ScopusID: 7004171955

Yoksis Researcher ID: 24698

Biography

Prof. Dr. Adil Baykasoglu received his B.Sc., M.Sc. and Ph.D. degrees from Mechanical and Industrial Engineering areas in Turkey (Gaziantep) and England (Nottingham). He is presently a full Professor at the [Industrial Engineering Department](#) at the [Dokuz Eylul University](#). He has published numerous academic papers, 3 books and edited several conference books on operational research, computational intelligence, engineering management, and manufacturing systems design. He is also an active editor and referee for many scientific journals.

Education Information

Doctorate, University of Nottingham, Mühendislik Fakültesi, Production Engineering and Operations Management (Endüstri Mühendisliği), United Kingdom 1996 - 1999

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Data Analysis, Temel Düzey R Uygulamaları Eğitimi, AYEUM, Hiras Yazılım, Eğitim & Danışmanlık, 2022

Data Analysis, Veri Analizinde Karar Verme Süreçleri, AYEUM, Hiras Yazılım, Eğitim & Danışmanlık, 2022

Research Areas

Uncertainty Management, Knowledge Engineering, Fuzzy Sets and Systems, Evolutionary Computing, Neural Networks, Industrial Engineering, Optimization Theory and Methods, Production Planning and Control, Decision Theory, Supply Chain and Logistics Management, Computer Aided Design and Manufacturing, Engineering and Technology

Academic Titles / Tasks

Professor, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - Continues
Professor, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 2007 - 2011
Associate Professor, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 2002 - 2007
Assistant Professor, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 1999 - 2002
Research Assistant, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 1996 - 1999
Lecturer, Gaziantep University, Faculty Of Engineering, Department Of Mechanical Engineering (English), 1995 - 1996
Research Assistant, Gaziantep University, Faculty Of Engineering, Department Of Mechanical Engineering (English), 1993 - 1995

Academic and Administrative Experience

Rectorate Commissioner, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2013 - Continues
Head of Department, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2012 - Continues
Fakülte Kurulu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - 2023
Head of Department, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - 2023
Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2016 - 2019
Enstitü Yönetim Kurulu Üyesi, Gaziantep University, Mimarlık, 2009 - 2011
Head of Department, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 2003 - 2011
Head of Department, Gaziantep University, Mühendislik Fakültesi, Endüstri Mühendisliği, 1999 - 2011
Head of Department, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 1999 - 2011
Fakülte Yönetim Kurulu Üyesi, Gaziantep University, Mühendislik, 2006 - 2007
BAP Scientific Commissioner, Gaziantep University, Rektörlük, 2003 - 2007
Erasmus Coordinator, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, 2002 - 2005
Head of Department, Gaziantep University, Rektörlük, Enformatik Bölümü, 2002 - 2003
Rectorate Commissioner, Gaziantep University, Rektörlük, Kütüphane Komisyonu, 1999 - 2003

Courses

Applied Metaheuristics, Postgraduate, 2023 - 2024
Multiobjective and Multicriteria Programming, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Applied Metaheuristics, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019
Seminer, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Quantitative Business Analysis II, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Quantative Business Analysis I, Postgraduate, 2023 - 2024
Quantitative Business Analysis I, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Bitirme Projesi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Computational Intelligence in Design and Manufacturing, Postgraduate, 2021 - 2022
KURUMSAL KAYNAK PLANLANMASI, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
QUANTİTATİVE BUSİNESS ANALYSİS 1, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
YÖNEYLEM ARAŞTIRMASI 1, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Yöneylem Araştırması 2, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Total Quality Techniques, Postgraduate, 2014 - 2015
Quantitative Business Analysis 2, Postgraduate, 2014 - 2015
Quality Management, Undergraduate, 2014 - 2015

Introduction to Fuzzy Logic, Undergraduate, 2014 - 2015
Selected Topics on Mathematical Programming, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Quantative Business Analysis 1, Postgraduate, 2013 - 2014, 2012 - 2013
Quantative Business Analysis 2, Postgraduate, 2013 - 2014, 2012 - 2013
Introduction to Computational Intelligence, Undergraduate, 2013 - 2014
Introduction to Computational Intelligence, Doctorate, 2013 - 2014
Computational Intelligence in Design and Manufacturing, Postgraduate, 2012 - 2013
Business Process Analyses and Modeling, Postgraduate, 2011 - 2012
Fuzzy Logic and Industrial Applications, Undergraduate, 2011 - 2012, 2010 - 2011
Modern Management Techniques in Engineering, Postgraduate, 2011 - 2012
Design of Experiments for Engineers, Undergraduate, 2010 - 2011
Production and Operations Management , Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
Topics in Multiple Objective Decision Making and Optimization, Doctorate, 2010 - 2011
Design of Experiments for Engineers, Postgraduate, 2010 - 2011
Network Theory, Postgraduate, 2009 - 2010
Malzeme ve Lojistik Yönetimi, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
Advanced Object Oriented Analysis and Programming, Postgraduate, 2009 - 2010, 2008 - 2009, 2001 - 2002, 2000 - 2001
Multiple Objective Decision Making, Undergraduate, 2008 - 2009, 2000 - 2001
Operations Research 2, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2003 - 2004
Yöneylem Araştırması, Undergraduate, 2008 - 2009
Operations Research 1, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2003 - 2004, 2002 - 2003, 2001 - 2002
Methods of Industrial Engineering, Postgraduate, 2008 - 2009, 2002 - 2003
Graduation Project, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Integer and Goal Programming, Postgraduate, 2007 - 2008
Üretim Planlaması, Undergraduate, 2007 - 2008, 2006 - 2007
Topics in Multiple Objective Decision Making and Optimization, Postgraduate, 2007 - 2008, 2004 - 2005, 2002 - 2003
System Simulation, Postgraduate, 2007 - 2008, 2001 - 2002
Advanced Topics in Operations Research, Postgraduate, 2007 - 2008
Advanced Heuristics in Engineering, Postgraduate, 2006 - 2007, 2002 - 2003, 2001 - 2002, 2000 - 2001
Facilities Design and Planning , Undergraduate, 2006 - 2007, 2004 - 2005
Logistics and Supply Chain Management , Postgraduate, 2006 - 2007, 2005 - 2006
Operations Research I , Undergraduate, 2005 - 2006, 2004 - 2005, 2001 - 2002
Case Studies in Industrial Engineering, Undergraduate, 2005 - 2006, 2002 - 2003, 2001 - 2002
Activity Based Costing, Postgraduate, 2005 - 2006, 2003 - 2004
Benchmarking, Postgraduate, 2005 - 2006
Advanced Topics in Facility Layout and Location, Postgraduate, 2005 - 2006, 2001 - 2002
Operations Research II, Undergraduate, 2004 - 2005
Fuzzy Systems and Control, Postgraduate, 2004 - 2005
Knowledge Discovery and Data Mining, Postgraduate, 2003 - 2004
Logistics, Undergraduate, 2003 - 2004
Computer Programming 2, Undergraduate, 2003 - 2004
Cellular Manufacturing , Postgraduate, 2003 - 2004
Cellular Manufacturing and Group Technology, Undergraduate, 2003 - 2004, 2000 - 2001
Discrete and Combinatorial Mathematics, Postgraduate, 2003 - 2004
Work Study, Undergraduate, 2002 - 2003
Computer Programming I, Undergraduate, 2002 - 2003
Computer Applications to Industrial Problems, Postgraduate, 2002 - 2003
Production Plant Design, Undergraduate, 2002 - 2003, 2001 - 2002, 2000 - 2001
Data Structures and Algorithms, Undergraduate, 2002 - 2003

Computer Programming II, Undergraduate, 2002 - 2003
Introduction to Industrial Engineering, Undergraduate, 2002 - 2003
Total Quality Management, Undergraduate, 2001 - 2002
Computer Programming 1, Undergraduate, 2001 - 2002
Computer Programming, Undergraduate, 2001 - 2002
Introduction to Concurrent Engineering, Undergraduate, 2001 - 2002

Advising Theses

Baykasoğlu A., Meta-sezgisel yöntemler ile üretim hatlarının yeniden dengelenmesi, Doctorate, T.ÇİMEN(Student), 2023
Baykasoğlu A., Generating Solutions for Data-Driven Decision Making Problems based on Bayesian Models, Doctorate, S.ÇALI(Student), 2023
Baykasoğlu A., Optimal sizing of raw materials in carton box industries, Postgraduate, İ.KARAMAN(Student), 2023
Baykasoğlu A., Modeling and Solving Dynamic Lot Sizing Problems under Different Production Environments, Doctorate, B.KUBUR(Student), 2022
Baykasoğlu A., Tam otomatik otopark sistemlerinde operasyonel planlama problemlerinin eş zamanlı ve dinamik optimizasyonu, Doctorate, N.DUDAKLI(Student), 2022
Baykasoğlu A., Bir öğrenme yönetim sisteminin aksiyomatik tasarım ile kullanılabilirlik değerlendirmesi, Postgraduate, C.ÜNAL(Student), 2022
Baykasoğlu A., Karmaşık optimizasyon problemlerinin çözümü için metasezgisel algoritmaların paralel hesaplama yoluyla koalisyonu, Doctorate, M.EMRE(Student), 2022
BAYKASOĞLU A., Farklı üretim ortamlarında dinamik parti büyüklüğü belirleme problemlerinin modellenmesi ve çözümü, Doctorate, B.KUBUR(Student), 2022
BAYKASOĞLU A., Otoparklarda dinamik fiyatlandırma, Postgraduate, E.ERCAN(Student), 2021
BAYKASOĞLU A., Dinamik çok kriterli karar verme ile sistem dinamikleri modelinin entegrasyonu, Postgraduate, D.YEŞİLKAYA(Student), 2019
BAYKASOĞLU A., Bulanık küme ve fonksiyonların seçilen karar mühendisliği problemlerine uygulanması, Doctorate, İ.GÖLCÜK(Student), 2019
BAYKASOĞLU A., Yatay titreşim koşulları altında bağlantı elemanlarının çözünme oranlarının bilişsel zeka yöntemleri kullanılarak tahmin edilmesi, Postgraduate, A.BIYIK(Student), 2017
BAYKASOĞLU A., Metasezgisel algoritmaların çoklu etmen benzetim ortamında gerçekleştirilmesi, Postgraduate, M.EMRE(Student), 2017
BAYKASOĞLU A., Kapasite ve ayar kısıtları altında esnek atölyelerin dinamik çizelgelenmesi, Doctorate, F.SELLEN(Student), 2017
BAYKASOĞLU A., Mermer kesme problemlerinin matematiksel programlama ve sezgisel yöntemlerle çözümlenmesi, Postgraduate, B.KUBUR(Student), 2016
BAYKASOĞLU A., dinamik optimizasyon problemlerinin modellenmesi ve çözümü, Doctorate, F.BURÇİN(Student), 2016
BAYKASOĞLU A., Belirli çevre koşulları altında filo büyüklüğü optimizasyonu, Postgraduate, N.DUDAKLI(Student), 2016
BAYKASOĞLU A., Servis sistemlerinde karmaşıklığın modellenmesi ve analizi, Doctorate, E.EKİNCİ(Student), 2016
BAYKASOĞLU A., Tedarik zincirlerinde belirsizlik altında filo planlama ve ağ optimizasyonu, Doctorate, K.SUBULAN(Student), 2016
BAYKASOĞLU A., Bir gerçek hayat sisteminde üretim planlama uygulaması, Postgraduate, E.PERÇİN BİLGİ(Student), 2016
BAYKASOĞLU A., Modelling and solving optimization problems in uncertain/dynamic environments with manufacturing systems examples, Doctorate, F.BURÇİN(Student), 2016
BAYKASOĞLU A., Montaj hattı tasarım problemlerinin insan faktörleri dikkate alınarak modellenmesi çözümü ve bir uygulama örneği, Postgraduate, N.AKTAŞ(Student), 2015
BAYKASOĞLU A., Dynamic manufacturing cell formation through market oriented programming, Doctorate, L.GÖRKEMLİ(Student), 2014
BAYKASOĞLU A., Çok amaçlı meta-sezgisel optimizasyon yaklaşımı ile genelleştirilmiş montaj hattı dengeleme, Doctorate, Ş.DEMİRKOL(Student), 2014

BAYKASOĞLU A., Bulanık fonksiyon yaklaşımının araştırılması ve endüstri mühendisliği problemlerinde olası uygulamaları, Postgraduate, S.MARAL(Student), 2013

BAYKASOĞLU A., Karma modellenmiş montaj hatı dengeleme probleminin hazırlık zamanları ile modellenmesi ve çözülmesi, Doctorate, Ş.AKPINAR(Student), 2013

BAYKASOĞLU A., Çok kriterli karar verme problemlerinde kriter etkileşim tekniklerinin analizi ve bulanık TOPSIS temelli yeni bir model önerisi, Postgraduate, İ.GÖLCÜK(Student), 2013

BAYKASOĞLU A., Heuristic optimization through negotiation, Doctorate, Z.DİDEM(Student), 2012

BAYKASOĞLU A., A soft computing based approach to integrated process planning and scheduling with setup and machine capacity considerations, Postgraduate, F.ŞENYÜZLÜLER(Student), 2012

BAYKASOĞLU A., Modeling and solving truck-load consolidation problems by using multi-agent technology, Doctorate, V.KAPLANOĞLU(Student), 2011

BAYKASOĞLU A., Evaluating fuel alternatives for electricity generation in Turkey through multiple criteria decision support methodologies, Postgraduate, M.HALİS(Student), 2009

BAYKASOĞLU A., Employing meta-heuristics and fuzzy ranking functions for direct solution of fuzzy mathematical programs, Doctorate, T.GÖÇKEN(Student), 2009

BAYKASOĞLU A., A simulation study to evaluate the effect of flexibility on flow time, Postgraduate, Z.DİDEM(Student), 2009

BAYKASOĞLU A., A simulated based approach to develop new approaches for ?due date assignment? and ?job release? in multi-stage job shops, Doctorate, M.GÖÇKEN(Student), 2009

BAYKASOĞLU A., Development of a process based generic product costing system for SME's and an application to a logistic company, Postgraduate, V.KAPLANOĞLU(Student), 2007

BAYKASOĞLU A., Investigation of the nonwoven fabric production technologies and a cost benefit analysis for the usage of medical textiles, Postgraduate, N.YILANKIRKAN(Student), 2006

BAYKASOĞLU A., Market, location and feasibility analysis of baby diaper production, Postgraduate, A.YILANKIRKAN(Student), 2006

BAYKASOĞLU A., Performance evaluation and strategy development study using AHP and DEA for business centers, Postgraduate, S.HAMDİ(Student), 2005

BAYKASOĞLU A., GIS based multiple criteria decision support system for urban planning problems in Gaziantep, Postgraduate, H.ÇAĞŞIR(Student), 2005

BAYKASOĞLU A., Çok objektifli esnek atölye çizelgeleme problemlerinin sezgisel yöntemlerle modellenmesi, analizi ve çözümü, Doctorate, L.ÖZBAKIR(Student), 2004

BAYKASOĞLU A., Solving two sided assembly line balancing problems with zoning constraints using ant algorithms, Postgraduate, İ.SABUNCU(Student), 2004

BAYKASOĞLU A., Solving fuzzy multiple objective optimization models by using multiple objective tabu search, Postgraduate, T.SEVİM(Student), 2003

Advising Graduates (Non-Thesis)

Baykasoğlu A., Churn analysis and an application using e-commerce data, Masters (Non-Thesis), G.Karakoyun(Student), 2023

Baykasoğlu A., System analysis and design for asset management software development, Masters (Non-Thesis), M.Özdemir(Student), 2023

Baykasoğlu A., Bir işletmede veri güdümlü kestirimci bakım uygulaması , Masters (Non-Thesis,Evening Education), Ş.Tekkol(Student), 2022

Baykasoğlu A., Betonarme istinat duvarlarının optimum tasarımı, Masters (Non-Thesis,Evening Education), G.Kurt(Student), 2020

Baykasoğlu A., İnşaat sektöründe çok kriterli karar verme teknikleri ile yüklenici secimi, Masters (Non-Thesis,Evening Education), Y.Aykurt(Student), 2019

Baykasoğlu A., RFID teknolojisi ile yarı mamul ürün takibi ve bir işletmede örnek uygulama, Masters (Non-Thesis,Evening Education), E.Uslucan(Student), 2019

Baykasoğlu A., Supplier selection by using multiple criteria decision making methods, Masters (Non-Thesis, Evening Education), B.Yağmur(Student), 2018

Baykasoğlu A., Süreç bazlı benzetim ve modelleme yöntemini kullanarak çamaşır makinesi montaj hattı süreç modellemesi ve analiz, Masters (Non-Thesis, Evening Education), H.Meliz(Student), 2017

Baykasoğlu A., Optimization of material cutting and placement operations in wind blade component production, Masters (Non-Thesis, Evening Education), F.Kömürcü(Student), 2017

Baykasoğlu A., ERP sistemi kurulumda kritik başarı faktörlerinin analizi, Masters (Non-Thesis, Evening Education), S.Yorulmaz(Student), 2016

Baykasoğlu A., Ergonomic risk analysis for a television production line, Masters (Non-Thesis, Evening Education), B.Demirkan(Student), 2014

Baykasoğlu A., Solving generalized travelling salesmen problem (GTSP) with teaching learning based optimization (TLBO) algorithm, Masters (Non-Thesis, Evening Education), A.Cansu(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Perceived usability evaluation of learning management systems via axiomatic design with a real life application**
BAYKASOĞLU A., FELEKOĞLU B., Unal C.
KYBERNETES, vol.53, no.1, pp.83-101, 2024 (SCI-Expanded)
- II. **Effect of triggering on the axial crushing behavior of GFRP tubes: Experimental investigation and optimization**
Baykasoğlu C., Baykasoğlu A., Erdin M. E., Cetin E.
POLYMER COMPOSITES, no.early view, pp.1-18, 2024 (SCI-Expanded)
- III. **Developing a matheuristic for dynamic lot sizing and scheduling problem with an application**
Kubur Özbel B., Baykasoğlu A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.401-415, 2024 (SCI-Expanded)
- IV. **A matheuristic based solution approach for the general lot sizing and scheduling problem with sequence dependent changeovers and back ordering**
KUBUR ÖZBEL B., BAYKASOĞLU A.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING COMPUTATIONS, vol.14, pp.115-128, 2023 (SCI-Expanded)
- V. **Location and replenishment problems of disaster stations for humanitarian relief logistics along with an application**
Yörük E., Baykasoğlu A., Avcı M. G.
Natural Hazards, vol.119, no.3, pp.1713-1734, 2023 (SCI-Expanded)
- VI. **A case-oriented computational study for sustainable fleet planning in a battery closed-loop supply chain network under uncertainty**
Subulan K., Baykasoğlu A.
Engineering Computations (Swansea, Wales), vol.40, no.7-8, pp.1947-2008, 2023 (SCI-Expanded)
- VII. **Designing robust capability-based distributed machine layouts with random machine availability and fuzzy demand/process flow information**
Subulan K., Varol B., Baykasoğlu A.
SOFT COMPUTING, pp.1-39, 2023 (SCI-Expanded)
- VIII. **Unequal-area capability-based facility layout design problem with a heuristic decomposition-based iterative mathematical programming approach**
SUBULAN K., Varol B., BAYKASOĞLU A.
Expert Systems with Applications, vol.214, 2023 (SCI-Expanded)
- IX. **A matheuristic based solution approach for the general lot sizing and scheduling problem with sequence dependent changeovers and back ordering**

Kubur Özbel B., Baykasoğlu A.

INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING COMPUTATIONS, vol.14, no.1, pp.115-128, 2023 (SCI-Expanded)

- X. **Multi-objective crashworthiness optimization of square aluminum tubes with functionally graded BCC lattice structure filler**
Baykasoğlu C., BAYKASOĞLU A., Cetin E.
International Journal of Crashworthiness, 2023 (SCI-Expanded)
- XI. **Experimental investigation of the axial crushing behavior of aluminum/CFRP hybrid tubes with circular-hole triggering mechanism**
Cetin E., BAYKASOĞLU A., Erdin M. E., Baykasoğlu C.
Thin-Walled Structures, vol.182, 2023 (SCI-Expanded)
- XII. **A Bayesian based approach for analyzing customer's online sales data to identify weights of product attributes**
Çalı S., BAYKASOĞLU A.
Expert Systems with Applications, vol.210, 2022 (SCI-Expanded)
- XIII. **A detailed review and analysis of assembly line rebalancing problems**
Cimen T., BAYKASOĞLU A., DEMİRKOL AKYOL Ş.
ASSEMBLY AUTOMATION, no.6, pp.742-760, 2022 (SCI-Expanded)
- XIV. **Coalition of metaheuristics through parallel computing for solving unconstrained continuous optimization problems**
ŞENOL M. E., BAYKASOĞLU A.
ENGINEERING COMPUTATIONS, vol.39, no.8, pp.2895-2927, 2022 (SCI-Expanded)
- XV. **Capability-based machine layout with a matheuristic-based approach**
BAYKASOĞLU A., SUBULAN K., Hamzadayı A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.198, 2022 (SCI-Expanded)
- XVI. **An integrated fleet planning model with empty vehicle repositioning for an intermodal transportation system**
BAYKASOĞLU A., DUDAKLI N., SUBULAN K., TAŞAN A. S.
OPERATIONAL RESEARCH, vol.22, no.3, pp.2063-2098, 2022 (SCI-Expanded)
- XVII. **Assembly line rebalancing and worker assignment considering ergonomic risks in an automotive parts manufacturing plant**
Cimen T., BAYKASOĞLU A., Akyol Ş.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING COMPUTATIONS, vol.13, no.3, pp.363-384, 2022 (SCI-Expanded)
- XVIII. **Building blocks of the reverse innovation process**
Dudaklı N., Felekoğlu B., Baykasoğlu A.
INNOVATION-THE EUROPEAN JOURNAL OF SOCIAL SCIENCE RESEARCH, vol.35, no.2, pp.196-223, 2022 (SSCI)
- XIX. **Chaos and intensification enhanced flower pollination algorithm to solve mechanical design and unconstrained function optimization problems**
ÖZSOYDAN F. B., BAYKASOĞLU A.
Expert Systems with Applications, vol.184, 2021 (SCI-Expanded)
- XX. **Greedy randomized adaptive search procedure for simultaneous scheduling of production and preventive maintenance activities in dynamic flexible job shops**
BAYKASOĞLU A., MADENOĞLU F. S.
SOFT COMPUTING, vol.25, no.23, pp.14893-14932, 2021 (SCI-Expanded)
- XXI. **Analysis of rank reversal problems in "Weighted Aggregated Sum Product Assessment" method**
Baykasoğlu A., Ercan E.
SOFT COMPUTING, vol.25, no.24, pp.15243-15254, 2021 (SCI-Expanded)
- XXII. **Mathematical programming approach to productivity improvement in wind turbine-blade manufacturing through a case study**
Baykasoğlu A., Dudaklı N., Senol M. E., Komurcu F.

- ENGINEERING WITH COMPUTERS, vol.37, no.4, pp.3843-3856, 2021 (SCI-Expanded)
- XXIII. **Explicit flow-risk allocation for cooperative maximum flow problems under interval uncertainty**
BAYKASOĞLU A., Kubur Özbel B.
Operational Research, vol.21, pp.2149-2179, 2021 (SCI-Expanded)
- XXIV. **A species-based flower pollination algorithm with increased selection pressure in abiotic local pollination and enhanced intensification**
ÖZSOYDAN F. B., BAYKASOĞLU A.
KNOWLEDGE-BASED SYSTEMS, vol.225, 2021 (SCI-Expanded)
- XXV. **Optimising cutting conditions for minimising cutting time in multi-pass milling via weighted superposition attraction-repulsion (WSAR) algorithm**
Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.59, no.15, pp.4633-4648, 2021 (SCI-Expanded)
- XXVI. **Weighted superposition attraction-repulsion (WSAR) algorithm for truss optimization with multiple frequency constraints**
BAYKASOĞLU A., BAYKASOĞLU C.
STRUCTURES, vol.30, pp.253-264, 2021 (SCI-Expanded)
- XXVII. **Modeling and solving a real-world cutting stock problem in the marble industry via mathematical programming and stochastic diffusion search approaches**
BAYKASOĞLU A., Ozbel B. K.
COMPUTERS & OPERATIONS RESEARCH, vol.128, 2021 (SCI-Expanded)
- XXVIII. **Alpha-cut based fuzzy cognitive maps with applications in decision-making**
BAYKASOĞLU A., Golcuk I.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.152, 2021 (SCI-Expanded)
- XXIX. **Weighted superposition attraction algorithm for binary optimization problems**
BAYKASOĞLU A., ÖZSOYDAN F. B., Senol M. E.
OPERATIONAL RESEARCH, vol.20, no.4, pp.2555-2581, 2020 (SCI-Expanded)
- XXX. **Enhanced superposition determination for weighted superposition attraction algorithm**
BAYKASOĞLU A., AKPINAR Ş.
SOFT COMPUTING, vol.24, no.19, pp.15015-15040, 2020 (SCI-Expanded)
- XXXI. **Capability-based distributed layout formation with or without demand and process flow information**
BAYKASOĞLU A., SUBULAN K.
APPLIED SOFT COMPUTING, vol.94, 2020 (SCI-Expanded)
- XXXII. **Solving combinatorial optimization problems with single seekers society algorithm**
Hamzadayı A., BAYKASOĞLU A., AKPINAR Ş.
KNOWLEDGE-BASED SYSTEMS, vol.201, 2020 (SCI-Expanded)
- XXXIII. **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 (SCI-Expanded)
- XXXIV. **Optimal design of truss structures using weighted superposition attraction algorithm**
BAYKASOĞLU A., BAYKASOĞLU C.
ENGINEERING WITH COMPUTERS, vol.36, no.3, pp.965-979, 2020 (SCI-Expanded)
- XXXV. **Comprehensive fuzzy FMEA model: a case study of ERP implementation risks**
BAYKASOĞLU A., Golcuk I.
OPERATIONAL RESEARCH, vol.20, no.2, pp.795-826, 2020 (SCI-Expanded)
- XXXVI. **Multi-objective crashworthiness optimization of lattice structure filled thin-walled tubes**
BAYKASOĞLU A., BAYKASOĞLU C., Cetin E.
THIN-WALLED STRUCTURES, vol.149, 2020 (SCI-Expanded)
- XXXVII. **Revisiting ranking accuracy within WASPAS method**
BAYKASOĞLU A., Golcuk I.
KYBERNETES, vol.49, no.3, pp.885-895, 2020 (SCI-Expanded)
- XXXVIII. **A FCM-Based Systematic Approach for Building and Analyzing Problem Solving Networks in Open**

Innovation

- FELEKOĞLU B., BAYKASOĞLU A., Golcuk I.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.34, pp.149-176, 2020 (SCI-Expanded)
- XXXIX. **A research on fully automated parking systems and operational planning and control problems**
DUDAKLI N., BAYKASOĞLU A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.4, pp.2239-2254, 2020 (SCI-Expanded)
- XL. **Revenue management for make-to-order manufacturing systems with a real-life application**
BAYKASOĞLU A., SUBULAN K., Gucdemir H., DUDAKLI N., EREN AKYOL D.
ENGINEERING ECONOMIST, vol.65, no.1, pp.27-65, 2020 (SCI-Expanded)
- XLI. **Weighted superposition attraction algorithm for combinatorial optimization**
BAYKASOĞLU A., Senol M. E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.138, 2019 (SCI-Expanded)
- XLII. **Analysing the effects of various switching probability characteristics in flower pollination algorithm for solving unconstrained function minimization problems**
ÖZSOYDAN F. B., BAYKASOĞLU A.
NEURAL COMPUTING & APPLICATIONS, vol.31, no.11, pp.7805-7819, 2019 (SCI-Expanded)
- XLIII. **A fuzzy-stochastic optimization model for the intermodal fleet management problem of an international transportation company**
BAYKASOĞLU A., SUBULAN K.
TRANSPORTATION PLANNING AND TECHNOLOGY, vol.42, no.8, pp.777-824, 2019 (SCI-Expanded)
- XLIV. **A dynamic multiple attribute decision making model with learning of fuzzy cognitive maps**
BAYKASOĞLU A., Golcuk I.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.135, pp.1063-1076, 2019 (SCI-Expanded)
- XLV. **A comparative study on crashworthiness of thin-walled tubes with functionally graded thickness under oblique impact loadings**
BAYKASOĞLU C., BAYKASOĞLU A., Cetin M. T.
INTERNATIONAL JOURNAL OF CRASHWORTHINESS, vol.24, no.4, pp.453-471, 2019 (SCI-Expanded)
- XLVI. **An Interactive Data-Driven (Dynamic) Multiple Attribute Decision Making Model via Interval Type-2 Fuzzy Functions**
BAYKASOĞLU A., Golcuk I.
MATHEMATICS, vol.7, no.7, 2019 (SCI-Expanded)
- XLVII. **A swarm intelligence-based algorithm for the set-union knapsack problem**
ÖZSOYDAN F. B., BAYKASOĞLU A.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, vol.93, pp.560-569, 2019 (SCI-Expanded)
- XLVIII. **A direct solution approach based on constrained fuzzy arithmetic and metaheuristic for fuzzy transportation problems**
BAYKASOĞLU A., SUBULAN K.
SOFT COMPUTING, vol.23, no.5, pp.1667-1698, 2019 (SCI-Expanded)
- XLIX. **Single Seekers Society (SSS): Bringing together heuristic optimization algorithms for solving complex problems**
BAYKASOĞLU A., Hamzadayı A., AKPINAR Ş.
KNOWLEDGE-BASED SYSTEMS, vol.165, pp.53-76, 2019 (SCI-Expanded)
- L. **A multiple-rule based constructive randomized search algorithm for solving assembly line worker assignment and balancing problem**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.30, no.2, pp.557-573, 2019 (SCI-Expanded)
- LI. **Improving fuzzy c-means clustering via quantum-enhanced weighted superposition attraction algorithm**
BAYKASOĞLU A., Golcuk I., ÖZSOYDAN F. B.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.3, pp.859-882, 2019 (SCI-Expanded)

- LII. **ErgoALWABP: a multiple-rule based constructive randomized search algorithm for solving assembly line worker assignment and balancing problem under ergonomic risk factors**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.30, no.1, pp.291-302, 2019 (SCI-Expanded)
- LIII. **A review of fleet planning problems in single and multimodal transportation systems**
BAYKASOĞLU A., SUBULAN K., TAŞAN A. S., DUDAKLI N.
TRANSPORTMETRICA A-TRANSPORT SCIENCE, vol.15, no.2, pp.631-697, 2019 (SCI-Expanded)
- LIV. **Quantum firefly swarms for multimodal dynamic optimization problems**
ÖZSOYDAN F. B., BAYKASOĞLU A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.115, pp.189-199, 2019 (SCI-Expanded)
- LV. **Complexity and performance measurement for retail supply chains**
Ekinci E., BAYKASOĞLU A.
INDUSTRIAL MANAGEMENT & DATA SYSTEMS, vol.119, no.4, pp.719-742, 2019 (SCI-Expanded)
- LVI. **Manufacturing cell formation with flexible processing capabilities and worker assignment: Comparison of constraint programming and integer programming approaches**
BAYKASOĞLU A., Topaloglu Ş. A., Senyuzluler F.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.232, no.11, pp.2054-2068, 2018 (SCI-Expanded)
- LVII. **Process mining based approach to performance evaluation in computer-aided examinations**
BAYKASOĞLU A., Ozbel B. K., DUDAKLI N., SUBULAN K., Senol M. E.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.26, no.5, pp.1841-1861, 2018 (SCI-Expanded)
- LVIII. **Dynamic optimization in binary search spaces via weighted superposition attraction algorithm**
BAYKASOĞLU A., ÖZSOYDAN F. B.
EXPERT SYSTEMS WITH APPLICATIONS, vol.96, pp.157-174, 2018 (SCI-Expanded)
- LIX. **Agent-Based Solution Approaches for Dynamic Traveling Salesman Problem: Resolving or Adapting Existing Solutions to New Conditions?**
BAYKASOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.31, no.4, pp.359-378, 2018 (SCI-Expanded)
- LX. **Minimisation of non-machining times in operating automatic tool changers of machine tools under dynamic operating conditions**
BAYKASOĞLU A., ÖZSOYDAN F. B.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.56, no.4, pp.1548-1564, 2018 (SCI-Expanded)
- LXI. **Dynamic scheduling of parallel heat treatment furnaces: A case study at a manufacturing system**
BAYKASOĞLU A., ÖZSOYDAN F. B.
JOURNAL OF MANUFACTURING SYSTEMS, vol.46, pp.152-162, 2018 (SCI-Expanded)
- LXII. **A multi-agent based approach to dynamic scheduling with flexible processing capabilities**
ŞAHİN C., Demirtas M., EROL R., BAYKASOĞLU A., KAPLANOĞLU V.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.28, no.8, pp.1827-1845, 2017 (SCI-Expanded)
- LXIII. **Evolutionary and population-based methods versus constructive search strategies in dynamic combinatorial optimization**
BAYKASOĞLU A., ÖZSOYDAN F. B.
INFORMATION SCIENCES, vol.420, pp.159-183, 2017 (SCI-Expanded)
- LXIV. **Constrained fuzzy arithmetic approach to fuzzy transportation problems with fuzzy decision variables**
BAYKASOĞLU A., SUBULAN K.
EXPERT SYSTEMS WITH APPLICATIONS, vol.81, pp.193-222, 2017 (SCI-Expanded)
- LXV. **Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems - Part 1: Unconstrained optimization**
BAYKASOĞLU A., AKPINAR Ş.
APPLIED SOFT COMPUTING, vol.56, pp.520-540, 2017 (SCI-Expanded)

- LXVI. **Multiple objective crashworthiness optimization of circular tubes with functionally graded thickness via artificial neural networks and genetic algorithms**
BAYKASOĞLU A., BAYKASOĞLU C.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.231, no.11, pp.2005-2016, 2017 (SCI-Expanded)
- LXVII. **An Excel-Based Program to Teach Students Quick Ergonomic Risk Assessment Techniques With an Application to an Assembly System**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş., Demirkan B.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.25, no.3, pp.489-507, 2017 (SCI-Expanded)
- LXVIII. **Development of a two-phase structural model for evaluating ERP critical success factors along with a case study**
BAYKASOĞLU A., Golcuk I.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.106, pp.256-274, 2017 (SCI-Expanded)
- LXIX. **A fuzzy multiple-attribute decision making model to evaluate new product pricing strategies**
Baykasoğlu A., Golcuk I., Eren Akyol D.
ANNALS OF OPERATIONS RESEARCH, vol.251, pp.205-242, 2017 (SCI-Expanded)
- LXX. **Minimizing tool switching and indexing times with tool duplications in automatic machines**
BAYKASOĞLU A., ÖZSOYDAN F. B.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.89, pp.1775-1789, 2017 (SCI-Expanded)
- LXXI. **Modeling and solving assembly line design problems by considering human factors with a real-life application**
BAYKASOĞLU A., ÖZMEHMET TAŞAN S., TAŞAN A. S., DEMİRKOL AKYOL Ş.
HUMAN FACTORS AND ERGONOMICS IN MANUFACTURING & SERVICE INDUSTRIES, vol.27, no.2, pp.96-115, 2017 (SCI-Expanded)
- LXXII. **Development of an interval type-2 fuzzy sets based hierarchical MADM model by combining DEMATEL and TOPSIS**
BAYKASOĞLU A., Golcuk I.
EXPERT SYSTEMS WITH APPLICATIONS, vol.70, pp.37-51, 2017 (SCI-Expanded)
- LXXIII. **Metaheuristic-based simulation optimization approach to network revenue management with an improved self-adjusting bid price function**
SUBULAN K., BAYKASOĞLU A., EREN AKYOL D., YILDIZ G.
ENGINEERING ECONOMIST, vol.62, no.1, pp.3-32, 2017 (SCI-Expanded)
- LXXIV. **Solving comprehensive dynamic job shop scheduling problem by using a GRASP-based approach**
BAYKASOĞLU A., Karaslan F. S.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.55, no.11, pp.3308-3325, 2017 (SCI-Expanded)
- LXXV. **Dynamic virtual cellular manufacturing through agent-based modelling**
BAYKASOĞLU A., Gorkemli L.
INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, vol.30, no.6, pp.564-579, 2017 (SCI-Expanded)
- LXXVI. **A multi-objective sustainable load planning model for intermodal transportation networks with a real-life application**
BAYKASOĞLU A., SUBULAN K.
TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, vol.95, pp.207-247, 2016 (SCI-Expanded)
- LXXVII. **A NEW MATHEMATICAL PROGRAMMING MODEL FOR LOAD PLANNING PROBLEMS IN INTERMODAL LOGISTICS NETWORKS**
Baykasoğlu A., Subulan K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.2, pp.383-394, 2016 (SCI-Expanded)
- LXXVIII. **DEVELOPMENT OF A MENU PLANNING DECISION SUPPORT SYSTEM FOR MASS CATERING WITH AN**

APPLICATION

Baykasoğlu A., Taşkiran D., Gökçen Akkoyun H.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.1, pp.191-200, 2016 (SCI-Expanded)

- LXXXIX. **A new fuzzy linear assignment method for multi-attribute decision making with an application to spare parts inventory classification**
BAYKASOĞLU A., SUBULAN K., Karaslan F. S.
APPLIED SOFT COMPUTING, vol.42, pp.1-17, 2016 (SCI-Expanded)
- LXXX. **Direct Solution of Time-Cost Tradeoff Problem with Fuzzy Decision Variables**
Gocken T., BAYKASOĞLU A.
CYBERNETICS AND SYSTEMS, vol.47, no.3, pp.206-219, 2016 (SCI-Expanded)
- LXXXI. **Cost-sensitive meta-learning classifiers: MEPAR-miner and DIFACONN-miner**
KULLUK S., ÖZBAKIR L., TAPKAN P. Z., BAYKASOĞLU A.
KNOWLEDGE-BASED SYSTEMS, vol.98, pp.148-161, 2016 (SCI-Expanded)
- LXXXII. **A cost-sensitive classification algorithm: BEE-Miner**
TAPKAN P. Z., ÖZBAKIR L., KULLUK S., BAYKASOĞLU A.
KNOWLEDGE-BASED SYSTEMS, vol.95, pp.99-113, 2016 (SCI-Expanded)
- LXXXIII. **An analysis of DEMATEL approaches for criteria interaction handling within ANP**
Golcuk I., BAYKASOĞLU A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.46, pp.346-366, 2016 (SCI-Expanded)
- LXXXIV. **An improved approach for determination of index positions on CNC magazines with cutting tool duplications by integrating shortest path algorithm**
BAYKASOĞLU A., ÖZSOYDAN F. B.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.54, no.3, pp.742-760, 2016 (SCI-Expanded)
- LXXXV. **Bee algorithms for parallel two-sided assembly line balancing problem with walking times**
TAPKAN P. Z., ÖZBAKIR L., BAYKASOĞLU A.
APPLIED SOFT COMPUTING, vol.39, pp.275-291, 2016 (SCI-Expanded)
- LXXXVI. **A multi-agent based approach to modeling and solving dynamic generalized travelling salesman problem**
BAYKASOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.31, no.1, pp.77-90, 2016 (SCI-Expanded)
- LXXXVII. **A NEW MATHEMATICAL PROGRAMMING MODEL FOR LOAD PLANNING PROBLEMS IN INTERMODAL LOGISTICS NETWORKS**
BAYKASOĞLU A., SUBULAN K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.2, pp.383-394, 2016 (SCI-Expanded)
- LXXXVIII. **DEVELOPMENT OF A MENU PLANNING DECISION SUPPORT SYSTEM FOR MASS CATERING WITH AN APPLICATION**
BAYKASOĞLU A., Taskiran D., Akkoyun H. G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.1, pp.191-200, 2016 (SCI-Expanded)
- LXXXIX. **Modelling complexity in retail supply chains**
Ekinci E., BAYKASOĞLU A.
KYBERNETES, vol.45, no.2, pp.297-322, 2016 (SCI-Expanded)
- XC. **Crashworthiness optimization of circular tubes with functionally-graded thickness**
BAYKASOĞLU A., BAYKASOĞLU C.
ENGINEERING COMPUTATIONS, vol.33, no.5, pp.1560-1585, 2016 (SCI-Expanded)
- XCI. **A GRASP based solution approach to solve cardinality constrained portfolio optimization problems**
BAYKASOĞLU A., Yunusoglu M. G., ÖZSOYDAN F. B.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.90, pp.339-351, 2015 (SCI-Expanded)
- XCII. **An analysis of fully fuzzy linear programming with fuzzy decision variables through logistics**

network design problem

BAYKASOĞLU A., SUBULAN K.

KNOWLEDGE-BASED SYSTEMS, vol.90, pp.165-184, 2015 (SCI-Expanded)

- XCIII. **Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems - Part 2: Constrained optimization**
BAYKASOĞLU A., AKPINAR Ş.
APPLIED SOFT COMPUTING, vol.37, pp.396-415, 2015 (SCI-Expanded)
- XCIV. **Adaptive firefly algorithm with chaos for mechanical design optimization problems**
BAYKASOĞLU A., ÖZSOYDAN F. B.
APPLIED SOFT COMPUTING, vol.36, pp.152-164, 2015 (SCI-Expanded)
- XCv. **A fuzzy goal programming model to strategic planning problem of a lead/acid battery closed-loop supply chain**
SUBULAN K., TAŞAN A. S., BAYKASOĞLU A.
JOURNAL OF MANUFACTURING SYSTEMS, vol.37, pp.243-264, 2015 (SCI-Expanded)
- XCVI. **A case-oriented approach to a lead/acid battery closed-loop supply chain network design under risk and uncertainty**
SUBULAN K., BAYKASOĞLU A., ÖZSOYDAN F. B., TAŞAN A. S., SELİM H.
JOURNAL OF MANUFACTURING SYSTEMS, vol.37, pp.340-361, 2015 (SCI-Expanded)
- XCvII. **An application oriented multi-agent based approach to dynamic load/truck planning**
BAYKASOĞLU A., KAPLANOĞLU V.
EXPERT SYSTEMS WITH APPLICATIONS, vol.42, pp.6008-6025, 2015 (SCI-Expanded)
- XCvIII. **Agent-based dynamic part family formation for cellular manufacturing applications**
Baykasoglu A., Gorkemli L.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.53, no.3, pp.774-792, 2015 (SCI-Expanded)
- XCIX. **Discovering task assignment rules for assembly line balancing via genetic programming**
BAYKASOĞLU A., ÖZBAKIR L.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.76, pp.417-434, 2015 (SCI-Expanded)
- C. **Designing an environmentally conscious tire closed-loop supply chain network with multiple recovery options using interactive fuzzy goal programming**
Subulan K., Taşan A. S., Baykasoğlu A.
Applied Mathematical Modelling, vol.39, no.9, pp.2661-2702, 2015 (SCI-Expanded)
- CI. **Development of a novel multiple-attribute decision making model via fuzzy cognitive maps and hierarchical fuzzy TOPSIS**
BAYKASOĞLU A., GÖLCÜK I.
Information Sciences, vol.301, pp.75-98, 2015 (SCI-Expanded)
- CII. **A review and analysis of "graph theoretical-matrix permanent" approach to decision making with example applications**
Baykasoglu A.
ARTIFICIAL INTELLIGENCE REVIEW, vol.42, no.4, pp.573-605, 2014 (SCI-Expanded)
- CIII. **Multiple colony bees algorithm for continuous spaces**
AKPINAR Ş., BAYKASOĞLU A.
APPLIED SOFT COMPUTING, vol.24, pp.829-841, 2014 (SCI-Expanded)
- CIV. **Modeling and solving mixed-model assembly line balancing problem with setups. Part II: A multiple colony hybrid bees algorithm**
AKPINAR Ş., BAYKASOĞLU A.
JOURNAL OF MANUFACTURING SYSTEMS, vol.33, no.4, pp.445-461, 2014 (SCI-Expanded)
- CV. **Testing the performance of teaching-learning based optimization (TLBO) algorithm on combinatorial problems: Flow shop and job shop scheduling cases**
BAYKASOĞLU A., Hamzadayı A., Kose S. Y.
INFORMATION SCIENCES, vol.276, pp.204-218, 2014 (SCI-Expanded)

- CVI. **An improved firefly algorithm for solving dynamic multidimensional knapsack problems**
BAYKASOĞLU A., ÖZSOYDAN F. B.
EXPERT SYSTEMS WITH APPLICATIONS, vol.41, no.8, pp.3712-3725, 2014 (SCI-Expanded)
- CVII. **A classification scheme for agent based approaches to dynamic optimization**
BAYKASOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
ARTIFICIAL INTELLIGENCE REVIEW, vol.41, no.2, pp.261-286, 2014 (SCI-Expanded)
- CVIII. **ERGONOMIC ASSEMBLY LINE BALANCING**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.4, pp.785-792, 2014 (SCI-Expanded)
- CIX. **Modeling and solving mixed-model assembly line balancing problem with setups. Part I: A mixed integer linear programming model**
AKPINAR Ş., BAYKASOĞLU A.
JOURNAL OF MANUFACTURING SYSTEMS, vol.33, no.1, pp.177-187, 2014 (SCI-Expanded)
- CX. **Fuzzy functions via genetic programming**
BAYKASOĞLU A., Maral S.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.27, no.5, pp.2355-2364, 2014 (SCI-Expanded)
- CXI. **A Hybrid MCDM for Private Primary School Assessment Using DEMATEL Based on ANP and Fuzzy Cognitive Map**
BAYKASOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.7, no.4, pp.615-635, 2014 (SCI-Expanded)
- CXII. **An improved decoding procedure and seeker optimization algorithm for reverse logistics network design problem**
SUBULAN K., BAYKASOĞLU A., Saltabas A.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.27, no.6, pp.2703-2714, 2014 (SCI-Expanded)
- CXIII. **"GRAPH THEORY" AND "MATRIX METHOD" BASED APPROACH FOR BUSINESS PROCESS MODELING/SIMULATION SOFTWARE SELECTION**
Baykasoglu A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.3, pp.555-566, 2013 (SCI-Expanded)
- CXIV. **Development of a framework for customer co-creation in NPD through multi-issue negotiation with issue trade-offs**
ALTUN K., DERELİ T., BAYKASOĞLU A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.873-880, 2013 (SCI-Expanded)
- CXV. **Preface for the special issue "FUZZYSS11: 2nd International Fuzzy Systems Symposium"**
GÖKÇEÖĞLU C., BAYKASOĞLU A., DERELİ T., TÜRKŞEN İ. B.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.841, 2013 (SCI-Expanded)
- CXVI. **Integrating fuzzy DEMATEL and fuzzy hierarchical TOPSIS methods for truck selection**
BAYKASOĞLU A., KAPLANOĞLU V., UNUTMAZ DURMUŞOĞLU Z. D., ŞAHİN C.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.899-907, 2013 (SCI-Expanded)
- CXVII. **Fuzzy DIFACONN-miner: A novel approach for fuzzy rule extraction from neural networks**
KULLUK S., ÖZBAKIR L., BAYKASOĞLU A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.938-946, 2013 (SCI-Expanded)
- CXVIII. **Solving fuzzy multiple objective generalized assignment problems directly via bees algorithm and fuzzy ranking**
TAPKAN P. Z., ÖZBAKIR L., BAYKASOĞLU A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.892-898, 2013 (SCI-Expanded)
- CXIX. **Hybridizing ant colony optimization via genetic algorithm for mixed-model assembly line balancing problem with sequence dependent setup times between tasks**
AKPINAR Ş., Bayhan G. M., BAYKASOĞLU A.

- APPLIED SOFT COMPUTING, vol.13, no.1, pp.574-589, 2013 (SCI-Expanded)
- CXX. **REALIZING ARTIFICIAL IMMUNE SYSTEM IN A MULTI AGENT SIMULATION ENVIRONMENT AND AN APPLICATION TO TRAVELLING SALESMEN PROBLEM**
BAYKASOĞLU A., Saltabas A., TAŞAN A. S., SUBULAN K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.4, pp.901-909, 2012 (SCI-Expanded)
- CXXI. **Modeling and solving constrained two-sided assembly line balancing problem via bee algorithms**
TAPKAN P. Z., ÖZBAKIR L., BAYKASOĞLU A.
APPLIED SOFT COMPUTING, vol.12, no.11, pp.3343-3355, 2012 (SCI-Expanded)
- CXXII. **Bees Algorithm for constrained fuzzy multi-objective two-sided assembly line balancing problem**
TAPKAN P. Z., ÖZBAKIR L., BAYKASOĞLU A.
OPTIMIZATION LETTERS, vol.6, no.6, pp.1039-1049, 2012 (SCI-Expanded)
- CXXIII. **A multi-agent based approach to dynamic scheduling of machines and automated guided vehicles in manufacturing systems**
EROL R., ŞAHİN C., BAYKASOĞLU A., KAPLANOĞLU V.
APPLIED SOFT COMPUTING, vol.12, no.6, pp.1720-1732, 2012 (SCI-Expanded)
- CXXIV. **Design optimization with chaos embedded great deluge algorithm**
Baykasoglu A.
APPLIED SOFT COMPUTING, vol.12, no.3, pp.1055-1067, 2012 (SCI-Expanded)
- CXXV. **A direct solution approach to fuzzy mathematical programs with fuzzy decision variables**
BAYKASOĞLU A., Gocken T.
EXPERT SYSTEMS WITH APPLICATIONS, vol.39, no.2, pp.1972-1978, 2012 (SCI-Expanded)
- CXXVI. **Training neural networks with harmony search algorithms for classification problems**
KULLUK S., ÖZBAKIR L., BAYKASOĞLU A.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.25, no.1, pp.11-19, 2012 (SCI-Expanded)
- CXXVII. **Multi-colony ant algorithm for parallel assembly line balancing with fuzzy parameters**
BAYKASOĞLU A., ÖZBAKIR L., GÖRKEMLİ L., GÖRKEMLİ B.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.23, no.6, pp.283-295, 2012 (SCI-Expanded)
- CXXVIII. **Flow time analyses of a simulated flexible job shop by considering jockeying**
BAYKASOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.58, pp.693-707, 2012 (SCI-Expanded)
- CXXIX. **FUZZYSS'2011: 2nd International Fuzzy Systems Symposium 17-18 November 2011, Ankara, Turkey**
BAYKASOĞLU A., GÖKÇEOĞLU C., DERELİ T., TÜRKŞEN İ. B.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.23, no.6, pp.269, 2012 (SCI-Expanded)
- CXXX. **Fuzzy mixed integer programming model for medium-term planning in a closed-loop supply chain with remanufacturing option**
SUBULAN K., TAŞAN A. S., BAYKASOĞLU A.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.23, no.6, pp.345-368, 2012 (SCI-Expanded)
- CXXXI. **Enhancing technology clustering through heuristics by using patent counts**
DERELİ T., BAYKASOĞLU A., DURMUŞOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.12, pp.15383-15391, 2011 (SCI-Expanded)
- CXXXII. **Rule extraction from artificial neural networks to discover causes of quality defects in fabric production**
ÖZBAKIR L., Baykasoglu A., KULLUK S.
NEURAL COMPUTING & APPLICATIONS, vol.20, no.7, pp.1117-1128, 2011 (SCI-Expanded)
- CXXXIII. **Classifying defect factors in fabric production via DIFACONN-miner: A case study**
Baykasoglu A., ÖZBAKIR L., KULLUK S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.9, pp.11321-11328, 2011 (SCI-Expanded)
- CXXXIV. **A multi-agent approach to load consolidation in transportation**
BAYKASOĞLU A., KAPLANOĞLU V.

- ADVANCES IN ENGINEERING SOFTWARE, vol.42, no.7, pp.477-490, 2011 (SCI-Expanded)
- CXXXV. **Multiple-colony ant algorithm for parallel assembly line balancing problem**
ÖZBAKIR L., Baykasoglu A., GÖRKEMLİ B., GÖRKEMLİ L.
APPLIED SOFT COMPUTING, vol.11, no.3, pp.3186-3198, 2011 (SCI-Expanded)
- CXXXVI. **SPECIAL ISSUE: Fuzziness in Industry and Applications**
DERELİ T., Baykasoglu A., TÜRKŞEN İ. B.
COMPUTERS IN INDUSTRY, vol.62, no.2, pp.123-124, 2011 (SCI-Expanded)
- CXXXVII. **Industrial applications of type-2 fuzzy sets and systems: A concise review**
DERELİ T., Baykasoglu A., ALTUN K., DURMUŞOĞLU A., TÜRKŞEN İ. B.
COMPUTERS IN INDUSTRY, vol.62, no.2, pp.125-137, 2011 (SCI-Expanded)
- CXXXVIII. **Training Fuzzy Cognitive Maps via Extended Great Deluge Algorithm with applications**
Baykasoglu A., UNUTMAZ DURMUŞOĞLU Z. D., KAPLANOĞLU V.
COMPUTERS IN INDUSTRY, vol.62, no.2, pp.187-195, 2011 (SCI-Expanded)
- CXXXIX. **A MULTI-AGENT FRAMEWORK FOR LOAD CONSOLIDATION IN LOGISTICS**
BAYKASOĞLU A., KAPLANOĞLU V., EROL R., ŞAHİN C.
TRANSPORT, vol.26, no.3, pp.320-328, 2011 (SCI-Expanded)
- CXL. **A simulation based approach to analyse the effects of job release on the performance of a multi-stage job-shop with processing flexibility**
Baykasoglu A., Gocken M.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.49, no.2, pp.585-610, 2011 (SCI-Expanded)
- CXLI. **Solving fully fuzzy mathematical programming model of EOQ problem with a direct approach based on fuzzy ranking and PSO**
BAYKASOĞLU A., Gocken T.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.22, pp.237-251, 2011 (SCI-Expanded)
- CXLII. **A PRACTICAL APPROACH TO PRIORITIZE PROJECT ACTIVITIES THROUGH FUZZY RANKING**
Baykasoglu A., Gocken T., KAPLANOĞLU V.
CYBERNETICS AND SYSTEMS, vol.42, no.3, pp.165-179, 2011 (SCI-Expanded)
- CXLIII. **Genetic Programming Based Data Mining Approach to Dispatching Rule Selection in a Simulated Job Shop**
Baykasoglu A., Gocken M., ÖZBAKIR L.
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, vol.86, no.12, pp.715-728, 2010 (SCI-Expanded)
- CXLIV. **Multi-objective aggregate production planning with fuzzy parameters**
Baykasoglu A., Gocken T.
ADVANCES IN ENGINEERING SOFTWARE, vol.41, no.9, pp.1124-1131, 2010 (SCI-Expanded)
- CXLV. **Capability-based distributed layout and its simulation based analyses**
Baykasoglu A., Gocken M.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.21, no.4, pp.471-485, 2010 (SCI-Expanded)
- CXLVI. **Cost optimization of high strength concretes by soft computing techniques**
ÖZBAY E., Oztas A., Baykasoglu A.
COMPUTERS AND CONCRETE, vol.7, no.3, pp.221-237, 2010 (SCI-Expanded)
- CXLVII. **Analyzing the effect of dispatching rules on the scheduling performance through grammar based flexible scheduling system**
Baykasoglu A., ÖZBAKIR L.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.124, no.2, pp.369-381, 2010 (SCI-Expanded)
- CXLVIII. **Bees algorithm for generalized assignment problem**
ÖZBAKIR L., Baykasoglu A., TAPKAN P. Z.
APPLIED MATHEMATICS AND COMPUTATION, vol.215, no.11, pp.3782-3795, 2010 (SCI-Expanded)
- CXLIX. **A soft computing-based approach for integrated training and rule extraction from artificial neural networks: DIFACONN-miner**
ÖZBAKIR L., Baykasoglu A., KULLUK S.

- APPLIED SOFT COMPUTING, vol.10, no.1, pp.304-317, 2010 (SCI-Expanded)
- CL. **FUZZYSS' 2009: 1st International Fuzzy Systems Symposium, 1-2 October 2009, Ankara, Turkey**
Baykasoglu A., Dereli T., TÜRKŞEN İ. B.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.21, no.5, pp.275-276, 2010 (SCI-Expanded)
- CLI. **Generating prediction rules for liquefaction through data mining**
Baykasoglu A., Cevik A., ÖZBAKIR L., KULLUK S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.10, pp.12491-12499, 2009 (SCI-Expanded)
- CLII. **TACO-miner: An ant colony based algorithm for rule extraction from trained neural networks**
ÖZBAKIR L., Baykasoglu A., KULLUK S., Yapici H.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.10, pp.12295-12305, 2009 (SCI-Expanded)
- CLIII. **Gene expression programming based due date assignment in a simulated job shop**
Baykasoglu A., Gocken M.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.10, pp.12143-12150, 2009 (SCI-Expanded)
- CLIV. **Prediction of compressive and tensile strength of Gaziantep basalts via neural networks and gene expression programming**
ÇANAKCI H., Baykasoglu A., GÜLLÜ H.
NEURAL COMPUTING & APPLICATIONS, vol.18, no.8, pp.1031-1041, 2009 (SCI-Expanded)
- CLV. **Prediction and multi-objective optimization of high-strength concrete parameters via soft computing approaches**
Baykasoglu A., Oztas A., Ozbay E.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.3, pp.6145-6155, 2009 (SCI-Expanded)
- CLVI. **A grammatical optimization approach for integrated process planning and scheduling**
Baykasoglu A., ÖZBAKIR L.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.20, no.2, pp.211-221, 2009 (SCI-Expanded)
- CLVII. **Application of cost/benefit analysis for surgical gown and drape selection: A case study**
Baykasoglu A., Dereli T., Yilankirkan N.
AMERICAN JOURNAL OF INFECTION CONTROL, vol.37, no.3, pp.215-226, 2009 (SCI-Expanded)
- CLVIII. **SIMPLE AND U-TYPE ASSEMBLY LINE BALANCING BY USING AN ANT COLONY BASED ALGORITHM**
Baykasoglu A., Dereli T.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.14, no.1, pp.1-12, 2009 (SCI-Expanded)
- CLIX. **Investigating mix proportions of high strength self compacting concrete by using Taguchi method**
Ozbay E., Oztas A., Baykasoglu A., Ozbebek H.
CONSTRUCTION AND BUILDING MATERIALS, vol.23, no.2, pp.694-702, 2009 (SCI-Expanded)
- CLX. **The bees algorithm for workload balancing in examination job assignment**
Baykasoglu A., ÖZBAKIR L., TAPKAN P. Z.
EUROPEAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.3, no.4, pp.424-435, 2009 (SCI-Expanded)
- CLXI. **A PRACTICAL FUZZY DIGRAPH MODEL FOR MODELING MANUFACTURING FLEXIBILITY**
Baykasoglu A.
CYBERNETICS AND SYSTEMS, vol.40, no.6, pp.475-489, 2009 (SCI-Expanded)
- CLXII. **Quantifying machine flexibility**
Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.47, no.15, pp.4109-4123, 2009 (SCI-Expanded)
- CLXIII. **Application of activity-based costing to a land transportation company: A case study**
Baykasoglu A., KAPLANOĞLU V.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.116, no.2, pp.308-324, 2008 (SCI-Expanded)
- CLXIV. **Prediction of compressive and tensile strength of limestone via genetic programming**
Baykasoglu A., GÜLLÜ H., ÇANAKCI H., Oebakir L.
EXPERT SYSTEMS WITH APPLICATIONS, vol.35, no.1-2, pp.111-123, 2008 (SCI-Expanded)
- CLXV. **New approaches to due date assignment in job shops**
Baykasoglu A., Gocken M., UNUTMAZ DURMUŞOĞLU Z. D.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.187, no.1, pp.31-45, 2008 (SCI-Expanded)

- CLXVI. **Two-sided assembly line balancing using an ant-colony-based heuristic**
Baykasoglu A., Dereli T.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.36, no.5-6, pp.582-588, 2008
(SCI-Expanded)
- CLXVII. **A review and classification of fuzzy mathematical programs**
Baykasoglu A., Gocken T.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.19, no.3, pp.205-229, 2008 (SCI-Expanded)
- CLXVIII. **Gene expression programming based meta-modelling approach to production line design**
Baykasoglu A.
INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, vol.21, no.6, pp.657-665, 2008 (SCI-Expanded)
- CLXIX. **MEPAR-miner: Multi-expression programming for classification rule mining**
Baykasoglu A., Ozbakir L.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.183, no.2, pp.767-784, 2007 (SCI-Expanded)
- CLXX. **Fuzzy quality-team formation for value added auditing: A case study**
Dereli T., Baykasoglu A., Das G. S.
JOURNAL OF ENGINEERING AND TECHNOLOGY MANAGEMENT, vol.24, no.4, pp.366-394, 2007 (SCI-Expanded)
- CLXXI. **Project team selection using fuzzy optimization approach**
Baykasoglu A., Dereli T., Das S.
CYBERNETICS AND SYSTEMS, vol.38, no.2, pp.155-185, 2007 (SCI-Expanded)
- CLXXII. **Stochastic U-line balancing using genetic algorithms**
Baykasoglu A., Ozbakir L.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.32, no.1-2, pp.139-147, 2007
(SCI-Expanded)
- CLXXIII. **Integration of Internet and web-based tools in new product development process**
Buyukozkan G., Baykasoglu A., Dereli T.
PRODUCTION PLANNING & CONTROL, vol.18, no.1, pp.44-53, 2007 (SCI-Expanded)
- CLXXIV. **Solution of a fully fuzzy multi-item economic order quantity problem by using fuzzy ranking functions**
Baykasoglu A., Goecken T.
ENGINEERING OPTIMIZATION, vol.39, no.8, pp.919-939, 2007 (SCI-Expanded)
- CLXXV. **An ant colony algorithm for solving budget constrained and unconstrained dynamic facility layout problems**
Baykasoglu A., Dereli T., Sabuncu I.
OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE, vol.34, no.4, pp.385-396, 2006 (SCI-Expanded)
- CLXXVI. **A team-oriented cybernetic approach for value-added quality auditing**
Dereli T., Baykasoglu A.
CYBERNETICS AND SYSTEMS, vol.37, no.4, pp.311-327, 2006 (SCI-Expanded)
- CLXXVII. **Multi-rule multi-objective simulated annealing algorithm for straight and U type assembly line balancing problems**
Baykasoglu A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.17, no.2, pp.217-232, 2006 (SCI-Expanded)
- CLXXVIII. **A tabu search approach to fuzzy goal programs and an application to aggregate production planning**
Baykasoglu A., Gocken T.
ENGINEERING OPTIMIZATION, vol.38, no.2, pp.155-177, 2006 (SCI-Expanded)
- CLXXIX. **Applying multiple objective tabu search to continuous optimization problems with a simple neighbourhood strategy**
Baykasoglu A.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, vol.65, no.3, pp.406-424, 2006 (SCI-Expanded)
- CLXXX. **OPPS-PRI 2.0: an open and optimized process planning system for prismatic parts to improve the**

performance of SMEs in the machining industry

Dereli T., Baykasoglu A.

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.43, no.5, pp.1039-1087, 2005 (SCI-Expanded)

- CLXXXI. **Preemptive goal programming using simulated annealing**
Baykasoglu A.
ENGINEERING OPTIMIZATION, vol.37, no.1, pp.49-63, 2005 (SCI-Expanded)
- CLXXXII. **Investigation of center of mass by using magic squares and its possible engineering applications**
Abiyev A., Baykasoglu A., Dereli T., Filiz L., Abiyev A.
ROBOTICS AND AUTONOMOUS SYSTEMS, vol.49, no.3-4, pp.219-226, 2004 (SCI-Expanded)
- CLXXXIII. **A survey on the methods and tools of concurrent new product development and agile manufacturing**
Buyukozkan G., Dereli T., Baykasoglu A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.15, no.6, pp.731-751, 2004 (SCI-Expanded)
- CLXXXIV. **Using multiple objective tabu search and grammars to model and solve multi-objective flexible job shop scheduling problems**
Baykasoglu A., Ozbakir L., Sonmez A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.15, no.6, pp.777-785, 2004 (SCI-Expanded)
- CLXXXV. **A meta-heuristic algorithm to solve quadratic assignment formulations of cell formation problems without presetting number of cells**
Baykasoglu A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.15, no.6, pp.753-759, 2004 (SCI-Expanded)
- CLXXXVI. **Applied intelligent heuristics for responsive manufacturing**
Dereli T., Baykasoglu A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.15, no.6, pp.727-729, 2004 (SCI-Expanded)
- CLXXXVII. **Prediction of cement strength using soft computing techniques**
Baykasoglu A., Dereli T., Tanis S.
CEMENT AND CONCRETE RESEARCH, vol.34, no.11, pp.2083-2090, 2004 (SCI-Expanded)
- CLXXXVIII. **Concurrent engineering utilities for controlling interactions in process planning**
Dereli T., Baykasoglu A.
JOURNAL OF INTELLIGENT MANUFACTURING, vol.15, no.4, pp.471-479, 2004 (SCI-Expanded)
- CLXXXIX. **Heuristic optimization system for the determination of index positions on CNC magazines with the consideration of cutting tool duplications**
Baykasoglu A., Dereli T.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.42, no.7, pp.1281-1303, 2004 (SCI-Expanded)
- CXC. **Capability-based distributed layout approach for virtual manufacturing cells**
Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.41, no.11, pp.2597-2618, 2003 (SCI-Expanded)
- CXCI. **Linguistic-based meta-heuristic optimization model for flexible job shop scheduling**
Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.40, no.17, pp.4523-4543, 2002 (SCI-Expanded)
- CXCII. **An integrated framework for reconfiguration of cellular manufacturing systems using virtual cells**
Saad S., Baykasoglu A., Gindy N.
PRODUCTION PLANNING & CONTROL, vol.13, no.4, pp.381-393, 2002 (SCI-Expanded)
- CXCIII. **Novel algorithmic approach to generate the 'number of passes' and 'depth of cuts' for the optimization routines of multipass machining**
Baykasoglu A., Dereli T.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.40, no.7, pp.1549-1565, 2002 (SCI-Expanded)
- CXCIV. **A new integrated system for loading and scheduling in cellular manufacturing**
Saad S., Baykasoglu A., Gindy N.
INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, vol.15, no.1, pp.37-49, 2002 (SCI-Expanded)
- CXCV. **Goal programming using multiple objective tabu search**

- Baykasoglu A.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.52, no.12, pp.1359-1369, 2001 (SCI-Expanded)
- CXCVI. **A simulated annealing algorithm for dynamic layout problem**
Baykasoglu A., Gindy N.
COMPUTERS & OPERATIONS RESEARCH, vol.28, no.14, pp.1403-1426, 2001 (SCI-Expanded)
- CXCVII. **MOAPPS 1.0: aggregate production planning using the multiple-objective tabu search**
Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.39, no.16, pp.3685-3702, 2001 (SCI-Expanded)
- CXCVIII. **Optimizing cutting parameters in process planning of prismatic parts by using genetic algorithms**
Dereli T., Feliz I., Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.39, no.15, pp.3303-3328, 2001 (SCI-Expanded)
- CXCIX. **MOCACEF 1.0: multiple objective capability based approach to form part-machine groups for cellular manufacturing applications**
Baykasoglu A., Gindy N.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.38, no.5, pp.1133-1161, 2000 (SCI-Expanded)
- CC. **Solution of goal programming models using a basic taboo search algorithm**
Baykasoglu A., Owen S., Gindy N.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.50, no.9, pp.960-973, 1999 (SCI-Expanded)
- CCI. **Dynamic optimization of multipass milling operations via geometric programming**
Sonmez A., Baykasoglu A., Dereli T., Filiz I.
INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.39, no.2, pp.297-320, 1999 (SCI-Expanded)
- CCII. **A taboo search based approach to find the Pareto optimal set in multiple objective optimization**
Baykasoglu A., Owen S., Gindy N.
ENGINEERING OPTIMIZATION, vol.31, no.6, pp.731-748, 1999 (SCI-Expanded)
- CCIII. **A new dynamic programming formulation of (n x m) flowshop sequencing problems with due dates**
Sonmez A., Baykasoglu A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.36, no.8, pp.2269-2283, 1998 (SCI-Expanded)
- CCIV. **OPPS-ROT: An optimised process planning system for rotational parts**
Kayacan M., Filiz I., Sonmez A., Baykasoglu A., Dereli T.
COMPUTERS IN INDUSTRY, vol.32, no.2, pp.181-195, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Application Of Chicken Swarm Optimization to Travelling Salesman Problem And A Reviewing Of Similar Studies**
Özer S., Baykasoğlu A., Kiliñçi Ö.
Journal of New Results in Engineering and Natural Sciences, vol.15, pp.65-72, 2022 (Peer-Reviewed Journal)
- II. **İntermodal taşımacılık sistemlerinde filo yönetimi**
Baykasoğlu A., Dudaklı N., Subulan K., Taşan A. S., Kaplan C., Turan M.
Lojistik Dergisi, vol.36, pp.28-37, 2016 (Peer-Reviewed Journal)
- III. **Route prioritisation in a multi-agent transportation environment via multi-attribute decision making**
Baykasoğlu A., Kaplanoğlu V., Şahin C.
INTERNATIONAL JOURNAL OF DATA ANALYSIS TECHNIQUES AND STRATEGIES, vol.8, no.1, pp.47-64, 2016 (Scopus)
- IV. **A multi-agent-based approach to dynamic scheduling of machines and automated guided vehicles (AGV) in manufacturing systems by considering AGV breakdowns**
Kaplanoğlu V., Şahin C., Baykasoğlu A., Erol R., Ekinci A., Demirtaş K.
International Journal of Engineering Research and Innovation, vol.7, no.2, pp.32-38, 2015 (Peer-Reviewed Journal)
- V. **Kril sürüşü algoritması ile atölye çizelgeleme**
Gölcük I., Baykasoğlu A., Madenoğlu F. S.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.16, no.48, pp.61-75, 2014 (Peer-Reviewed Journal)

- VI. **Utilizing prometheus design tool for truck load consolidation decisions**
Baykasoğlu A., Kaplanoğlu V., Unutmaz Durmuşoğlu Z. D.
INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS AND SUPPLY CHAIN MANAGEMENT, vol.6, no.1, pp.41-61, 2013 (Scopus)
- VII. **Editorial**
BAYKASOĞLU A., GÖKÇEOĞLU C., Dereli T., Turksen I. B.
International Journal of Industrial and Systems Engineering, vol.15, no.3, pp.235-237, 2013 (Scopus)
- VIII. **Kullanılmış tır çekici seçimi: pratik bir karar destek yaklaşımı EVEN-SWAP**
Baykasoğlu A., Dereli T., Altun K.
Lojistik Dergisi, vol.19, pp.18-22, 2011 (Peer-Reviewed Journal)
- IX. **Evaluating the basic load consolidation strategies for a transportation company through logistics process modelling and simulation**
Baykasoğlu A., Kaplanoğlu V.
INTERNATIONAL JOURNAL OF DATA ANALYSIS TECHNIQUES AND STRATEGIES, vol.3, no.3, pp.241-260, 2011 (Scopus)
- X. **Bees algorithm and generalized assignment problem: comparison of different neighborhood structures**
Tapkan P. Z., Özbakir L., Baykasoğlu A.
Endüstri Mühendisliği, vol.21, no.2, pp.2-13, 2010 (Peer-Reviewed Journal)
- XI. **Çok kriterli tır çekici seçimi**
Baykasoğlu A.
Lojistik, vol.14, pp.32-36, 2010 (Peer-Reviewed Journal)
- XII. **Using 'Decision-Making Tools' for Business Investments: Feasibility Analysis for Baby Diaper Production-A Case Study**
Dereli T., Baykasoğlu A., Yılkırkan A.
Rio's International Journal on Sciences of Industrial and Systems Engineering and Management, vol.3, no.1, pp.1-46, 2009 (Scopus)
- XIII. **Contractor selection with Multi Criteria Decision Support tools**
Baykasoglu A., Ozbay E., Gogus M. T., Oztas A.
International Journal of Industrial and Systems Engineering, vol.4, no.2, pp.174-197, 2009 (Scopus)
- XIV. **Rule extraction from neural networks via ant colony algorithm for data mining applications**
Özbakir L., Baykasoğlu A., Kulluk S.
Lecture Notes in Computer Science, vol.5313, pp.177-191, 2008 (Scopus)
- XV. **Lojistik işletmeleri için süreç modelleme**
Baykasoğlu A.
DergiL: Lojistik ve Tedarik Zinciri Yönetimi Dergisi, vol.3, pp.42-46, 2008 (Peer-Reviewed Journal)
- XVI. **Analysing the effect of flexibility on manufacturing systems performance**
BAYKASOĞLU A., ÖZBAKIR L.
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, vol.19, no.2, pp.172-193, 2008 (ESCI)
- XVII. **An affordable Reverse Engineering framework for innovative rapid product development**
Dereli T., Baykasoglu A., Buyukozkan G.
International Journal of Industrial and Systems Engineering, vol.3, no.1, pp.31-37, 2008 (Scopus)
- XVIII. **Due date assignment using ADRES and simulated annealing**
Baykasoglu A., Gocken M., Unutmaz Z. D.
International Journal of Industrial and Systems Engineering, vol.3, no.3, pp.277-297, 2008 (Scopus)
- XIX. **A service-costing framework for logistics companies and a case study**
Baykasoğlu A., Kaplanoğlu V.
MANAGEMENT RESEARCH NEWS, vol.30, no.9, pp.621-633, 2007 (ESCI)
- XX. **Medikal tekstil ürünlerinin seçiminde fayda/maliyet analizi**

- Baykasoğlu A., Dereli T., Yılkırkan N.
Çağ Üniversitesi Sosyal Bilimler Dergisi, vol.4, no.2, pp.19-34, 2007 (Peer-Reviewed Journal)
- XXI. **Futbol endüstrisi: seyirci sayısı ve takımların forma renkleri**
Dereli T., Baykasoğlu A., Durmuşoğlu A., Unutmaz Z. D., Unutmaz A. İ.
Çağ Üniversitesi Sosyal Bilimler Dergisi, vol.4, no.1, pp.13-25, 2007 (Peer-Reviewed Journal)
- XXII. **Developing a service costing system and an application for logistic companies**
Baykasoğlu A., Kaplanoğlu V.
International Journal of Agile Manufacturing, vol.9, no.2, pp.13-18, 2006 (Scopus)
- XXIII. **Bilgi keşfi sürecinde veri madenciliği ve uygulamaları**
Baykasoğlu A.
Otomasyon Dergisi, vol.12, pp.66-73, 2005 (Peer-Reviewed Journal)
- XXIV. **Dijital İmza**
Canıyılmaz E., Baykasoğlu A., Kutay F.
Otomasyon Dergisi, vol.7, pp.60-65, 2005 (Peer-Reviewed Journal)
- XXV. **A practical fuzzy decision support model for personnel selection**
Baykasoğlu A., Dereli T., Kankılıç H., Sönmez A. İ.
Çağ Üniversitesi Sosyal Bilimler Dergisi, vol.2, no.2, pp.80-93, 2005 (Peer-Reviewed Journal)
- XXVI. **Farklılıkların yönetimi**
Dereli T., Baykasoğlu A.
Kalder Forum, vol.5, no.18, pp.69-77, 2005 (Peer-Reviewed Journal)
- XXVII. **Takım Yönetimi**
Dereli T., Baykasoğlu A.
Kalder Forum, vol.4, no.13, pp.36-44, 2004 (Peer-Reviewed Journal)
- XXVIII. **İmaj yönetimi**
Baykasoğlu A., Dereli T., Sönmez A. İ., Yağcı E.
Çağ Üniversitesi Sosyal Bilimler Dergisi, vol.1, no.1, pp.3-18, 2004 (Peer-Reviewed Journal)
- XXIX. **Çatışma yönetimi**
Dereli T., Baykasoğlu A., Emre G. S., Sevim T.
Kalder Forum, vol.4, no.14, pp.31-39, 2004 (Peer-Reviewed Journal)
- XXX. **Guest editorial**
BAYKASOĞLU A., Dereli T., Bennett D.
Journal of Manufacturing Technology Management, vol.15, no.1, pp.6-9, 2004 (Scopus)
- XXXI. **Ters Mühendislik**
Dereli T., Baykasoğlu A.
Machinery (MakinaTek), vol.77, pp.114-122, 2004 (Peer-Reviewed Journal)
- XXXII. **An investigation on the readiness of Turkish companies for enterprise resource management**
BAKİ B., Dereli T., BAYKASOĞLU A.
Journal of Manufacturing Technology Management, vol.15, no.1, pp.50-56, 2004 (Scopus)
- XXXIII. **GIS ve Mühendislikte Kullanım Alanları**
Güllü H., Baykasoğlu A., Dereli T.
Otomasyon Dergisi, vol.135, pp.166-172, 2003 (Peer-Reviewed Journal)
- XXXIV. **Daha verimli bir üretim için proses modelleme**
Baykasoğlu A., Dereli T.
Endüstri & Otomasyon Dergisi, vol.77, pp.90-97, 2003 (Peer-Reviewed Journal)
- XXXV. **Proseslerin bilgisayar ortamlarında modellenmesi, analizi ve seçimi**
Baykasoğlu A., Dereli T.
Endüstri Mühendisliği, vol.14, no.1, pp.5-17, 2003 (Peer-Reviewed Journal)
- XXXVI. **Kestirimci-Koruyucu bakımın önemi ve bir KOBİ'ye uygulanması**
Baykasoğlu A., Dereli T., Topak S.
Endüstri & Otomasyon Dergisi, vol.76, pp.20-24, 2003 (Peer-Reviewed Journal)
- XXXVII. **Retrofitting, yeniden donatım, makine yenileme, güncelleme, revizyonu veya modernizasyonu**

üzerine bir görüş

Dereli T., Baykasoğlu A.

Machinery (MakinaTek), vol.69, pp.66-70, 2003 (Peer-Reviewed Journal)

XXXVIII. Design-optimization of mechanical components using the "multiple objective tabu search" method

Baykasoğlu A.

MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.8, no.1, pp.35-47, 2003 (Peer-Reviewed Journal)

XXXIX. Parça temsilinde kullanılan unsur teknolojisine genel bir bakış

Dereli T., Baykasoğlu A.

Machinery (MakinaTek), vol.68, pp.24-29, 2003 (Peer-Reviewed Journal)

XL. Improving Responsiveness in Process Planning

Dereli T., Baykasoğlu A.

International Journal of Advanced Manufacturing Systems, vol.6, no.1, pp.13-18, 2003 (Scopus)

XLI. Features and STEP: Two Powerful Technologies for Agile Manufacturing

Dereli T., Baykasoğlu A.

International Journal of Agile Manufacturing, vol.6, no.1, pp.1-15, 2003 (Scopus)

XLII. Optimal Allocation of Index Positions Considering Tool Duplications on Chain Type of Automatic Tool Changers Using Simulated Annealing

Baykasoğlu A., Dereli T.

International Journal of Advanced Manufacturing Systems, vol.6, no.1, pp.19-28, 2003 (Scopus)

XLIII. An Eye's Bird View To Process Planning: Current State, Evolving Trends and Future Directions

Dereli T., Baykasoğlu A.

International Journal of Advanced Manufacturing Systems, vol.6, no.1, pp.59-80, 2003 (Scopus)

XLIV. A Tabu Search Based Linguistic Optimization Approach to Due Date Determination in Earliness-Tardiness Flexible Job Shop Scheduling

Baykasoğlu A., Özbakır L., Sönmez A. İ.

International Journal of Advanced Manufacturing Systems, vol.6, no.1, pp.81-90, 2003 (Scopus)

XLV. Kitleesel özel üretim

Baykasoğlu A.

Kalder Forum, vol.3, no.9, pp.47-55, 2003 (Peer-Reviewed Journal)

XLVI. Sustainable development and industrial solid wastes: A case study from Gaziantep

Dereli T., Baykasoğlu A.

Çevre, Bilim ve Teknoloji, vol.1, no.4, pp.47-56, 2003 (Peer-Reviewed Journal)

XLVII. Sanal üretim ve sanal üretimin gelişimini etkileyen faktörler

Baki B., Baykasoğlu A., Dereli T.

Machinery (MakinaTek), vol.64, pp.40-46, 2003 (Peer-Reviewed Journal)

XLVIII. Önemli bir kalite tekniği -Hata Türleri ve Etkileri Analizi-

Baykasoğlu A.

Organize, vol.7, pp.8-9, 2002 (Non Peer-Reviewed Journal)

XLIX. Atıklar ve çevreye etkileri: Mühendislik cephesinden çevre sorunlarına bakış

Dereli T., Baykasoğlu A.

Endüstri Mühendisliği, vol.13, no.1, pp.28-35, 2002 (Peer-Reviewed Journal)

L. Gaziantep tüketicisinin süpermarket alışveriş alışkanlıkları

Dereli T., Baykasoğlu A.

Standard Dergisi, vol.5, pp.79-85, 2002 (Peer-Reviewed Journal)

LI. Endüstriyel işletmelerde işçi sağlığı iş güvenliği ve Gaziantep örneği

Baykasoğlu A., Dereli T.

Çalışma Ortamı, vol.4, pp.2-5, 2002 (Peer-Reviewed Journal)

LII. Kalite çalışmalarında Gaziantep örneği: Endüstriyel işletmelerin kaliteye bakışı

Baykasoğlu A., Dereli T.

KALDER Forum, vol.2, no.5, pp.20-32, 2002 (Peer-Reviewed Journal)

LIII. Çevik (Tepkisel) Üretim

- Baykasoğlu A., Dereli T.
OTOMASYON Dergisi, vol.12, pp.132-136, 2001 (Peer-Reviewed Journal)
- LIV. **Capability based formulation and solution of multiple objective cell formation problems using simulated annealing**
BAYKASOĞLU A., Gindy N. N., Cobb R. C.
Integrated Manufacturing Systems, vol.12, no.4, pp.258-274, 2001 (Scopus)
- LV. **Mükemmellik yörüngesinin neresindesiniz? Avrupa kalite yönetim organizasyonu (EFQM): İş mükemmellik modeli**
Baykasoğlu A., Dereli T.
OTOMASYON Dergisi, vol.11, pp.164-168, 2001 (Peer-Reviewed Journal)
- LVI. **TKY Uygulamaları İçin TRIZ ile Yaratıcı Çözümler (2. Kısım)**
Kapucu S., Baykasoğlu A., Dereli T.
OTOMASYON Dergisi,, vol.9, pp.140-144, 2001 (Peer-Reviewed Journal)
- LVII. **TKY Uygulamaları İçin TRIZ ile Yaratıcı Çözümler (1. Kısım)**
Kapucu S., Baykasoğlu A., Dereli T.
OTOMASYON Dergisi, vol.8, pp.94-98, 2001 (Peer-Reviewed Journal)
- LVIII. **Toplam kalite ve verimlilik**
Baykasoğlu A.
Genç Çizgi, vol.7, pp.12-14, 2001 (Non Peer-Reviewed Journal)
- LIX. **Kalite yolculuğunun neresindeyiz?**
Dereli T., Baykasoğlu A.
Mühendis ve Makina, vol.503, pp.38-44, 2001 (Peer-Reviewed Journal)
- LX. **A Multiobjective Tabu Search Based Simulation Optimisation Approach for Loading of Cellular Manufacturing Systems**
Baykasoğlu A.
Endüstri Mühendisliği, vol.12, no.1, pp.2-24, 2001 (Peer-Reviewed Journal)
- LXI. **The reconfiguration problem of manufacturing systems**
Baykasoğlu A.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.4, no.4, pp.69-80, 2001 (Peer-Reviewed Journal)
- LXII. **Toplam kalite yönetimini uygulamalarında kullanmak için yenilikçi yaratıcı problem çözme yaklaşımı: TRIZ**
Kapucu S., Baykasoğlu A., Dereli T.
Mühendis ve Makina, vol.499, no.8, pp.40-47, 2001 (Peer-Reviewed Journal)
- LXIII. **Process modelling for manufacturing process selection**
Baykasoğlu A.
Teknoloji, vol.1, no.2, pp.83-94, 2001 (Peer-Reviewed Journal)
- LXIV. **Atıklar ve çevre sorunları ile mücadele**
Dereli T., Baykasoğlu A.
Çevre ve İnsan Dergisi, vol.50, no.3, pp.38-45, 2001 (Peer-Reviewed Journal)
- LXV. **Üretim Ortamlarının Fraktal Resmi: Kaynak Elemanları Bakış Açısı**
Baykasoğlu A.
OTOMASYON Dergisi, vol.2, pp.134-140, 2001 (Peer-Reviewed Journal)
- LXVI. **Kesici Takımların Genetik Algoritmalar Kullanılarak CNC Tezgah Magazinlerine Yerleştirilmesi**
Dereli T., Baykasoğlu A.
OTOMASYON Dergisi, vol.2, pp.110-114, 2001 (Peer-Reviewed Journal)
- LXVII. **The role of industrial engineers in industry**
Baykasoğlu A., Dereli T.
Science Journal of Army Academy, vol.1, no.2, pp.83-97, 2000 (Peer-Reviewed Journal)
- LXVIII. **The use of artificial intelligence techniques in design and manufacturing: A review**
Dereli T., Baykasoğlu A.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.3, no.2, pp.27-60, 2000 (Peer-Reviewed Journal)

- LXIX. **Üretim sistemlerinin dinamik ortamlara uyumlu dizaynı için modern yaklaşımlar, (Kısım 2)**
Baykasoğlu A., Dereli T.
OTOMASYON Dergisi, vol.6, pp.102-105, 2000 (Peer-Reviewed Journal)
- LXX. **Üretim sistemlerinin dinamik ortamlara uyumlu dizaynı için modern yaklaşımlar, (Kısım 1)**
Baykasoğlu A., Dereli T.
OTOMASYON Dergisi, vol.5, pp.102-105, 2000 (Peer-Reviewed Journal)
- LXXI. **Dynamic programming formulation of N-Job M-stage flowshop sequencing problem and an application to an industry**
Sönmez A. İ., Baykasoğlu A., Erol R.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.14, no.1-2, pp.133-140, 1999 (Peer-Reviewed Journal)
- LXXII. **Sanal gerçek üretim**
Baykasoğlu A.
Makina-Tek, vol.7, pp.24-26, 1998 (Peer-Reviewed Journal)
- LXXIII. **Üretim sistemlerinin gelişimi**
Baykasoğlu A.
Mühendis ve Makina, vol.454, pp.22-27, 1997 (Peer-Reviewed Journal)
- LXXIV. **Computer Aided Constrained Optimisation of Cutting Conditions in Drilling Operations on a CNC Lathe by Using Geometric Programming**
Sönmez A., Baykasoğlu A., Filiz İ.
Mathematical and Computational Applications, vol.1, no.1, pp.97-104, 1996 (Peer-Reviewed Journal)
- LXXV. **Bilgisayar yardımı ile imalat ve montaj sistemlerinde küme çizelgelemesinin yönlendirilmiş grafiklerle çözümü**
Sönmez A. İ., Baykasoğlu A.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.11, no.2, pp.187-198, 1996 (Peer-Reviewed Journal)
- LXXVI. **Bilgisayar yardımı ile küçük ve orta ölçekli işletmeler için bakım sistemi planlanması**
Sönmez A. İ., Baykasoğlu A.
Mühendis ve Makina, vol.37, pp.17-22, 1996 (Peer-Reviewed Journal)
- LXXVII. **An attempt to renew Hillier's improvement algorithm for plant layout**
Sönmez A. İ., Filiz İ. H., Dereli T., Baykasoğlu A.
Süleyman Demirel Üniversitesi Mühendislik Mimarlık Fakültesi Makina Mühendisliği Dergisi, vol.1, no.10, pp.16-25, 1996 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **A Case Study with the BEE-Miner Algorithm: Defects on the Production Line**
Ay M. M., Baykasoğlu A., Özbakır L., Kulluk S.
in: Intelligent Production and Manufacturing Optimisation—The Bees Algorithm Approach, Pham D.T., Hartono N., Editor, Springer, London/Berlin , Basel, pp.63-77, 2023
- II. **Multiple Objective Optimization with Weighted Superposition Attraction-Repulsion Algorithm (moWSAR)**
Baykasoğlu A.
in: Modeling and Advanced Techniques in Modern Economics, Cagdas Hakan Aladag, Nihan Potas, Editor, World Scientific Publishing , Singapore, pp.173-185, 2022
- III. **WSAR with Levy flight for constrained optimization**
Baykasoğlu A., Şenol M. E.
in: Lecture Notes on Data Engineering and Communications Technologies, Kim J.H., Deep K., Geem Z.W., Sadollah A., Yadav A., Editor, Springer, London/Berlin , Singapore, pp.217-225, 2022
- IV. **An Improved Extension of Weighted Hierarchical Fuzzy Axiomatic Design: Sustainable Route**

Selection Problem in Intermodal Transportation Networks

SUBULAN K., BAYKASOĞLU A.

in: Sustainable Production and Logistics, Özceylan, Eren; M. Gupta, Surendra, Editor, CRC Press, Boca Raton, pp.321-357, 2021

- V. **Development of a Web-Based Decision Support System for Strategic and Tactical Sustainable Fleet Management Problems in Intermodal Transportation Networks**
Baykasoğlu A., Subulan K., Taşan A. S., Dudaklı N., Turan M., Çelik E., Ülker O.
in: Lean and Green Supply Chain Management: Optimization Models and Algorithms, Paksoy T, Weber Gerhard-Wilhelm, Huber S, Editor, Springer Nature, Basel, pp.189-230, 2019
- VI. **Dinamik Optimizasyon**
BAYKASOĞLU A., ÖZSOYDAN F. B.
in: Çağdaş Endüstri Mühendisliği, Ercan Öztemel, Editor, Papatya Bilim Üniversite Yayıncılığı, pp.457-486, 2019
- VII. **Solving fuzzy multi-item economic order quantity problems via fuzzy ranking functions and particle swarm optimization**
BAYKASOĞLU A., GÖÇKEN T.
in: Metaheuristics in the Service Industry Lecture Notes in Economics and Mathematical Systems, Martin Josef Geiger, Walter Habenicht, Marc Sevaux, Kenneth Sörensen, Editor, Springer Science & Business Media, pp.33-44, 2009
- VIII. **Üretim sistemleri ve tesis planlama**
DERELİ T., BAYKASOĞLU A.
in: Endüstri Mühendisliğine Giriş, Prof. Dr. Ercan Öztemel, Editor, Papatya Yayıncılık, İstanbul, pp.115-138, 2009
- IX. **Composite dispatching rule generation through data mining in a simulated job shop**
BAYKASOĞLU A., GÖÇKEN M., ÖZBAKIR L., KULLUK S.
in: Modelling Computation and Optimization in Information Systems and Management Sciences, Hoai An Le Thi, Pascal Bouvry, Tao Pham Dinh, Editor, Springer Verlag, pp.389-398, 2008
- X. **Employing “particle swarm optimization” and “fuzzy ranking functions” for direct solution of EOQ problem**
BAYKASOĞLU A., GÖÇKEN T.
in: Modeling Computation and Optimization in Information Systems and Management Sciences, Hoai An Le Thi, Pascal Bouvry, Tao Pham Dinh, Editor, Springer Verlag, pp.32-42, 2008
- XI. **Toplam Marka Yönetimi**
Dereli T., Baykasoğlu A.
Hayat Yayınları, İstanbul, 2007
- XII. **Artificial bee colony algorithm and its application to generalized assignment problem**
BAYKASOĞLU A., ÖZBAKIR L., TAPKAN P. Z.
in: Swarm Intelligence Focus on Ant and Particle Swarm Optimization, Felix T. S. Chan, Manoj Kumar Tiwari, Editor, INTECH, pp.113-144, 2007
- XIII. **Üretimde Bilgi Teknolojisi Yöntemleri**
Baykasoğlu A., Dereli T.
Kırmızı Yayınları, İstanbul, 2006
- XIV. **Kalite ve hayata iz düşümleri**
Dereli T., Baykasoğlu A.
Nobel Yayın Dağıtım, Ankara, 2003

Refereed Congress / Symposium Publications in Proceedings

- I. **The Possibility of Using Containers as Stocking Units for Effective Management of Disaster Activities: The Case of Turkey**
Yörük E., Baykasoğlu A.
5. International Disaster & Resilience Congress (5. Uluslararası Afet ve Dirençlilik Kongresi), Kocaeli, Turkey, 11 -

13 October 2023, pp.499-500

- II. **Hotel ranking study using sentiment analysis and graph theory-matrix approach**
Çalı S., Baykasoğlu A.
IES'23 International Engineering Symposium | Engineering Applications in Industry, İzmir, Turkey, 15 - 17 November 2023, pp.1
- III. **Meta-sezgiseller dünyasında neler oluyor?**
Baykasoğlu A.
42. YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, Gaziantep, Turkey, 1 - 03 November 2023, pp.1
- IV. **Karmasıklığın modellenmesi: literatür taraması ve yeni bir yaklaşım**
Ekinci E., Baykasoğlu A.
ICRAS 2023: 2nd International Conference on Recent Academic Studies, Konya, Turkey, 19 - 20 October 2023, vol.2, pp.344-362
- V. **Modelling and Analyses of Collection Process of an Insurance Company via "Business Process Modelling and Simulation"**
Korkmaz B. S., Baykasoğlu A.
3rd Global Conference on Engineering Research (GLOB CER'23), Balıkesir, Turkey, 13 - 16 September 2023, pp.492
- VI. **Development and application of data-driven product recommendation system for house rental market**
Şenyüzlüler Özçelik F., Baykasoğlu A.
IDAP'2023: 7th International Artificial Intelligence and Data Processing Symposium, Malatya, Turkey, 7 - 09 September 2023, pp.30-35
- VII. **Comparing OECD countries' logistics performances by comprehensive distance based ranking method**
Çalı S., Baykasoğlu A.
SEMIT 2023: International Conference on Science, Engineering Management and Information Technology 2023, Ankara, Turkey, 14 - 15 September 2023, pp.204
- VIII. **A closer look of using containers as stocking units at the pre-disaster stage for quick response after natural disasters**
Yörük E., Baykasoğlu A.
COPIOR-HORAF Conference on Operations/AI Research Tools for the Aftermath of a Disaster: The Major Earthquake in Turkey-Syria, Durham, England, 09 September 2023, pp.1
- IX. **Failure mode and effect analysis based on probabilistic interval valued hesitant fuzzy sets**
Çalı S., Baykasoğlu A.
11th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 10 - 12 June 2023, pp.1213-1221
- X. **Analysing airport service quality by using multiple criteria decision making**
Çalı S., Baykasoğlu A.
9 International Congress on Engineering and Technology Management, İstanbul, Turkey, 29 April - 01 May 2023, pp.187-195
- XI. **Data-Driven Dynamic Multi-Criteria Decision Making via Learning of Fuzzy Cognitive Maps**
Baykasoğlu A.
The 3rd International Conference on Advanced Intelligent Technologies(ICAIT2022), Beijing, China, 29 - 31 December 2022, pp.1
- XII. **Dynamic Optimization through Intelligent Search Algorithms with Industrial Applications**
Baykasoğlu A.
International Symposium on Computing and Artificial Intelligence (ISCAI 2022), Beijing, China, 16 - 18 December 2022, pp.1
- XIII. **Looking at Meta-Heuristics and A Closer Look at The Firefly Algorithm**
Baykasoğlu A.
12th International Statistics Days Congress (ISDC2022), İzmir, Turkey, 13 - 16 October 2022, pp.19-20

- XIV. **Looking at meta-heuristics & a closer look at the firefly algorithm**
Baykasoğlu A.
ISDC XII International Statistics Days Conference, İzmir, Turkey, 13 - 16 October 2022, pp.1
- XV. **Hotel Ranking and Recommendation through Online Reviews with Integrated Weighting Approach and ARAS Method**
Çalı S., Baykasoğlu A.
12th International Statistics Days Congress (ISDC2022), İzmir, Turkey, 13 - 16 October 2022, pp.1
- XVI. **A Statistical Analysis of Usability of a Learning Management System**
Ünal C., Baykasoğlu A., Felekoğlu B.
12th International Statistics Days Congress (ISDC2022), İzmir, Turkey, 13 - 16 October 2022, pp.1
- XVII. **Development of a Bayesian based Approach to Extract Attribute Weights for Decision Making Problems**
Çalı S., Baykasoğlu A.
5th International Conference on Data Science and Applications (ICONDATA'22), Muğla, Turkey, 7 September - 11 October 2022, vol.2, pp.9
- XVIII. **Statistical analysis of the system parameters of a fully automated parking system**
Dudaklı N., Baykasoğlu A.
III. International Applied Statistics Conference (UYIK - 2022), Skopje, Macedonia, 22 - 24 June 2022, pp.37-46
- XIX. **A Constraint Programming Based Modelling/Solution Approach for Scheduling Problems in Hybrid Flow Shop Robotic Cells**
Dudaklı N., Yıldız Ş. A., Baykasoğlu A.
ICEANS 2022: 1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022, pp.1186-1193
- XX. **Application of various population based incremental learning algorithms to different optimization problems**
Yörük E., Baykasoğlu A.
ICEANS 2022: 1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 - 13 May 2022, pp.389-397
- XXI. **Evaluating Usability of a Learning Management System with a Real Life Case Study at an Academic Department**
Baykasoğlu A., Felekoğlu B., Ünal C.
12th Annual International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 7 - 10 March 2022, no.847, pp.4446
- XXII. **Sizing of Raw Materials in a Corrugated Cardboard Box Manufacturing Company via Simulated Annealing Incorporating Integer Linear Programming**
Sipahi I., Baykasoğlu A., Subulan K.
12th Annual International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 7 - 10 March 2022, no.937, pp.4791-4792
- XXIII. **Capability-Based Facility Layout Design with Unequal-Area Departments**
Varol B., Subulan K., Baykasoğlu A.
12th Annual International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 7 - 10 March 2022, no.936, pp.4789-4790
- XXIV. **WSAR with Levy Flight for Constrained Optimization**
BAYKASOĞLU A., ŞENOL M. E.
7th International Conference on Harmony Search, Soft Computing and Applications (ICHSA), ELECTR NETWORK, 23 - 24 February 2022, vol.140, pp.217-225
- XXV. **Parallel Weighted Superposition Attraction Algorithm for Solving Permutation Flow Shop Scheduling Problems**
BAYKASOĞLU A., ŞENOL M. E.
The 1st Online Conference on Algorithms, 27 September 2021
- XXVI. **Karton Kutu Üretiminde Hammaddede Firelerinin ve Stok Maliyetlerinin Enazlanması**

Sipahi İ., Baykasoğlu A., Subulan K.

YONAR/MU 2021: Yönetim Araştırmaları / Mühendislik Uygulamaları Sempozyumu, İstanbul, Turkey, 01 June 2021, pp.17-18

XXVII. Karmaşık Problemlerin Çözümü İçin Metasezgisel Algoritmaların Paralel Hesaplama Yoluyla Koalisyonu

Baykasoğlu A., Şenol M. E.

YONAR/MU 2021: Yönetim Araştırmaları / Mühendislik Uygulamaları Sempozyumu, İstanbul, Turkey, 01 June 2021, pp.131

XXVIII. Capability-based distributed layout design with random machine availability and fuzzy demand/process flow data

SUBULAN K., Varol B., BAYKASOĞLU A.

International Engineering Symposium (IES20), İzmir, Turkey, 10 December 2020, pp.171-172

XXIX. Designing dartboards with genetic algorithms

Varol B., BAYKASOĞLU A., SUBULAN K.

International Engineering Symposium (IES20), İzmir, Turkey, 10 December 2020, pp.173

XXX. Pricing and revenue management in car parks: Literature review and a model proposal

ERCAN E., BAYKASOĞLU A.

IES'20 International Engineering Symposium: Engineering Applications in Industry, İzmir, Turkey, 12 December 2020

XXXI. Genetic Algorithm Methods for Solving Assembly Line Re-Balancing Problem: A Review

Çimen T., BAYKASOĞLU A.

International Design and Engineering Symposium Sustainability, Innovation, Production, İzmir, Turkey, 10 - 12 October 2019, pp.316-321

XXXII. Capability-based distributed layout design with demand and process flow information

BAYKASOĞLU A., SUBULAN K.

International Design and Engineering Symposium Sustainability, Innovation, Production, İzmir, Turkey, 10 - 12 October 2019, pp.373-379

XXXIII. Predicting energy absorption parameters of aluminum lattice structures filled tubes via artificial neural networks

ÇETİN E., BAYKASOĞLU C., BAYKASOĞLU A.

The International Aluminium-Themed Engineering and Natural Sciences Conference (IATENS'19), Seydişehir, Turkey, 4 - 06 October 2019, pp.532-536

XXXIV. Dual-resource constrained flexible job shop scheduling problem with weighted superposition attraction algorithm

MADENOĞLU F. S., BAYKASOĞLU A.

HORA 2019: International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Nevşehir, Turkey, 5 - 07 July 2019, pp.167-170

XXXV. A hybrid metaheuristic approach for solving vehicle routing problem with mixed pickup and delivery

HAMZADAYI A., BAYKASOĞLU A., AKPINAR Ş.

International Conference on Data Science, Machine Learning and Statistics 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.70-72

XXXVI. Data-driven multi-criteria decision making in decision engineering

BAYKASOĞLU A.

International Conference on Data Science, Machine Learning and Statistics 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.73-75

XXXVII. Karbon salinimini dikkate alan mermer tedarik zinciri probleminin optimizasyonu

KUBUR B., BAYKASOĞLU A.

ERASMUS International Academic Research Symposium on Science, Engineering and Architecture Sciences, İzmir, Turkey, 5 - 06 April 2019, pp.271-298

XXXVIII. Metaheuristic algorithm for unrelated parallel machine capacitated lot sizing and scheduling problem with sequence-dependent setup times and machine eligibility restrictions

KUBUR B., BAYKASOĞLU A.

ERASMUS International Academic Research Symposium on Science, Engineering and Architecture Sciences, İzmir, Turkey, 5 - 06 April 2019, pp.299-307

XXXIX. Analysis of key performance indicators in a manufacturing plant via fuzzy cognitive maps

BAYKASOĞLU A., Atalay Z. N., Golcuk I.

Innovations in Intelligent Systems and Applications Conference (ASYU), İzmir, Turkey, 31 October - 02 November 2019, pp.526-529

XL. Dynamic Optimization in a Dynamic Industry

Baykasoğlu A.

International Conference on Artificial Intelligence towards Industry 4.0, Hatay, Turkey, 15 - 17 November 2018, pp.1

XLI. Multi-Machine Capacitated Lot-Sizing and Scheduling Problem

BAYKASOĞLU A., KUBUR B.

6th International GAP Engineering Conference - GAP2018, 8 - 10 November 2018

XLII. Production Planning Decisions with Order Acceptance

BAYKASOĞLU A., KUBUR B.

6th International GAP Engineering Conference - GAP2018, 8 - 10 November 2018

XLIII. New Product Idea Selection in Software Sector

BAYKASOĞLU A., FELEKOĞLU B., başlı h.

İZCEAS 2018: New Trends in Economics and Administrative Sciences-İzmir International Congress on Economics and Administrative Sciences, 5 - 08 November 2018

XLIV. Factors Affecting Innovation in Software Companies

FELEKOĞLU B., BAYKASOĞLU A., safati b.

İZCEAS 2018: New Trends in Economics and Administrative Sciences-İzmir International Congress on Economics and Administrative Sciences, 5 - 08 November 2018

XLV. Weighted Superposition Attraction Algorithm for Type-I Mixed-Model Assembly Line Balancing Problem

AKPINAR Ş., BAYKASOĞLU A.

ISEOS 2018: 19th International Symposium on Econometrics, Operations Research and Statistics, 17 - 20 October 2018

XLVI. A Metaheuristic Solution Method for Solving Multi Constrained Assembly Line Rebalancing and Worker Assignment Problem

Çimen T., BAYKASOĞLU A., DEMİRKOL AKYOL Ş.

ISEOS 2018: 19th International Symposium on Econometrics, Operations Research and Statistics, 17 - 20 October 2018

XLVII. Encouraging Factories to Process Innovation: A Game Theory Approach

KUBUR B., BAYKASOĞLU A.

ICONST 2018: International Conference on Science and Technology, 5 - 09 September 2018

XLVIII. Forecasting Annual Electricity Consumption of Turkey via Grey Prediction Approach

KUBUR B., BAYKASOĞLU A.

ICONST 2018: International Conference on Science and Technology, 5 - 09 September 2018

XLIX. A flower pollination algorithm for improving cluster analysis

GÖLCÜK İ., BAYKASOĞLU A., ÖZSOYDAN F. B.

International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018, pp.186

L. A cultural algorithm for mechanical design optimization

GÖLCÜK İ., BAYKASOĞLU A., ÖZSOYDAN F. B.

International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018, pp.187

LI. Weighted Superposition Attraction Algorithm for Multi-Manned Assembly Line Balancing

Şenol M. E., Baykasoğlu A., Kılınççı Ö.

EURO/ALIO International Conference 2018 on Applied Combinatorial Optimization, Bologna, Italy, 25 - 27 June 2018, pp.33

- LII. **Fully Automated Parking Systems: An Environmentally Friendly Solution for Parking Space Problem in Cities**
BAYKASOĞLU A., DUDAKLI N., ÖZSOYDAN F. B.
INTERNATIONAL CONFERENCE ONGOOD LOCAL GOVERNANCE, İzmir, Turkey, 13 - 14 April 2018, pp.37
- LIII. **Evaluation of Different Dispatching Rule-Based Algorithms in Fully Automated Parking Systems**
BAYKASOĞLU A., DUDAKLI N., ÖZSOYDAN F. B.
International Conference on Computer Technologies and Development, İstanbul, Turkey, 24 - 26 March 2018, pp.23-24
- LIV. **A mathematical programming and particle swarm based optimization algorithm for solving dynamic lot sizing and scheduling problem in make-to-order, multi-constrained production environments with an application**
KUBUR B., BAYKASOĞLU A.
EURO Winter Institute on Lot Sizing (EWI) 2018, 5 - 16 March 2018
- LV. **Particle swarm optimization with a quantum based local search for binary optimization problems**
ÖZSOYDAN F. B., BAYKASOĞLU A., GÖLCÜK İ.
ISEAIA 2017, Girne, Cyprus (Kktc), 1 - 03 November 2017, pp.27
- LVI. **A modified binary artificial bee colony algorithm for improving fuzzy c-means clustering performance**
GÖLCÜK İ., BAYKASOĞLU A., ÖZSOYDAN F. B.
ISEAIA 2017, Girne, Cyprus (Kktc), 1 - 03 November 2017, pp.26
- LVII. **A Decision Support System Based on a Fuzzy-Stochastic Mathematical Program for Intermodal Fleet Planning Problems**
BAYKASOĞLU A., SUBULAN K., TAŞAN A. S., DUDAKLI N., TURAN M., ÇELİK E., ÜLKER Ö.
The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 - 15 October 2017, pp.94
- LVIII. **A Systematic Approach for Building and Analyzing Problem Solving Networks in Open Innovation**
FELEKOĞLU B., BAYKASOĞLU A., GÖLCÜK İ.
FUZZYSS 17: 5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017
- LIX. **Improving Fuzzy C-Means Clustering via Weighted Superposition Attraction Algorithm**
BAYKASOĞLU A., GÖLCÜK İ., ÖZSOYDAN F. B.
THE 5TH INTERNATIONAL FUZZY SYSTEMS SYMPOSIUM, Ankara, Turkey, 14 - 15 October 2017, pp.54
- LX. **Fuzzy Axiomatic Design Methodology for Selection of Routing Alternatives in Intermodal Transportation**
BAYKASOĞLU A., SUBULAN K., Şiker G., Atik S.
FUZZYSS'17: 5th International Fuzzy Systems Symposium, 14 - 15 October 2017, pp.95
- LXI. **Interval Type-2 Fuzzy Cognitive Maps**
BAYKASOĞLU A.
FUZZYSS'17: 5th International Fuzzy Systems Symposium, 14 - 15 October 2017, pp.4
- LXII. **A Constraint Programming Model for a Cubic Cell Formation Problem**
TOPALOĞLU Ş. A., BAYKASOĞLU A.
XVIII. International Symposium on Econometrics Operations Research and Statistics, 5 - 07 October 2017
- LXIII. **An Integrated Approach to the Vehicle Routing and Container Loading Problems**
BAYKASOĞLU A., KUBUR B.
ICAIE: International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017, pp.767
- LXIV. **Effects of Ergonomic Risk Factors of the Working Environment on a Real Life Manufacturing Company**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
2nd International Conference on Economics Business Management and Social Sciences, Belgrat, Montenegro, 10 - 14 May 2017, pp.15
- LXV. **Simulation Optimization Approach to a Real-Life Make-to-Order Revenue Management System of a Wedding Gown Manufacturing Company**
SUBULAN K., BAYKASOĞLU A., GÜÇDEMİR H., DUDAKLI N.

2nd International Conference on Economics Business Management and Social Sciences (ICEBSS 2017), Belgrade, Serbia, 10 - 14 May 2017, pp.7

- LXVI. **Comparison of Various Ergonomic Risk Assessment Techniques with an Application to an Assembly System**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
2nd International Conference on Economics Business Management and Social Sciences, Belgrat, Montenegro, 10 - 14 May 2017, pp.16
- LXVII. **Metaheuristic Approach to Joint Preventive Maintenance and Dynamic Flexible Job Shop Scheduling**
BAYKASOĞLU A., KARASLAN F. S.
ICAIE: International Conference on Advances and Innovations in Engineering, Elaziğ, Turkey, 10 - 12 May 2017, pp.771
- LXVIII. **Analyzing the Effect of Machine Flexibility on the Scheduling Performance through Dynamic Job Shop Scheduling System**
BAYKASOĞLU A., KARASLAN F. S.
ICAIE: International Conference on Advances and Innovations in Engineering, Elaziğ, Turkey, 10 - 12 May 2017, pp.772
- LXIX. **Comparison of Grey and ARIMA Models for Production Forecasting In Marble Industry**
BAYKASOĞLU A., KUBUR B.
International Workshop on Mathematical Methods in Engineering, MME-2017, 27 - 29 April 2017, pp.94
- LXX. **A Meta-Heuristic Approach for Evaluating Ergonomic Risk Factors of a Real Life Assembly Line Worker Assignment and Balancing Problem**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
International Workshop on Mathematical Methods in Engineering, Ankara, Turkey, 27 - 29 April 2017, pp.61
- LXXI. **A Computational Approach for Ergonomic Assembly Line Balancing**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
International Workshop on Mathematical Methods in Engineering, Ankara, Turkey, 27 - 29 April 2017, pp.61
- LXXII. **A New Intermodal Fleet Planning Model via Hybrid Fuzzy-Stochastic Mathematical Programming Method**
SUBULAN K., BAYKASOĞLU A.
International Workshop on Mathematical Methods in Engineering (MME 2017), Ankara, Turkey, 27 - 29 April 2017, pp.123-124
- LXXIII. **Solving Resource Constrained Project Scheduling Problems via Constraint Programming**
BAYKASOĞLU A., ŞENOL M. E., DUDAKLI N.
International Workshop on Mathematical Methods in Engineering, MME-2017, 27 - 29 April 2017, pp.121
- LXXIV. **An Interval Programming Model for Balancing Assembly Lines**
BAYKASOĞLU A., KUBUR B.
International Workshop on Mathematical Methods in Engineering, MME-2017, 27 - 29 April 2017, pp.94-95
- LXXV. **A GRASP Based Algorithm to Reduce Service Time in Fully Automated Parking System**
BAYKASOĞLU A., DUDAKLI N., ÖZSOYDAN F. B.
INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, Ankara, Turkey, 27 - 29 April 2017, pp.64
- LXXVI. **Implementation of the balanced scorecard concept under interval type 2 fuzzy environment**
GÖLCÜK İ., BAYKASOĞLU A.
XIV. International Logistics and Supply Chain Congress, 1 - 02 December 2016, pp.350-360
- LXXVII. **Opposition based weighted superposition attraction algorithm for travelling salesman problems**
BAYKASOĞLU A., ŞENOL M. E.
XIV. International Logistics and Supply Chain Congress, 1 - 02 December 2016, pp.314-319
- LXXVIII. **Multiple traveling salesman game for cost allocation a case problem for school bus services**
BAYKASOĞLU A., KUBUR B.
XIV. International Logistics and Supply Chain Congress, 1 - 02 December 2016, pp.64-69
- LXXIX. **Cooperative interval game theory and the grey Shapley value approach for solving the maximum**

flow problem

BAYKASOĞLU A., KUBUR B.

XIV. International Logistics and Supply Chain Congress, 1 - 02 December 2016, pp.53-63

- LXXX. **A greedy randomized adaptive search procedure for flexible job shop scheduling problem**
BAYKASOĞLU A., KARASLAN F. S.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, 12 - 14 October 2016
- LXXXI. **A hybrid ERP risk evaluation model based on fuzzy AHP and fuzzy comprehensive evaluation**
GÖLCÜK İ., BAYKASOĞLU A.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, 12 - 14 October 2016
- LXXXII. **Solving Dynamic Optimization Problems in Real Life Manufacturing Systems**
ÖZSOYDAN F. B., BAYKASOĞLU A.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016, pp.910-916
- LXXXIII. **An interval linear programming model for marble cutting stock problem**
BAYKASOĞLU A., KUBUR B.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, 12 - 14 October 2016
- LXXXIV. **A multiple rule based constructive heuristic algorithm for assembly line worker assignment and balancing problems**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, 12 - 14 October 2016
- LXXXV. **Sıra Bağımlı Hazırlık Süreli Mermer Kesme Problemi İçin Sezgisel Bir Çözüm Yöntemi**
BAYKASOĞLU A., KUBUR B.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, 12 - 14 October 2016
- LXXXVI. **Ergonomic assembly line balancing with an industrial application**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, 12 - 14 October 2016
- LXXXVII. **Multi agent stochastic diffusion search algorithm for optimization problems**
ŞENOL M. E., BAYKASOĞLU A.
OR2016: Annual International Conference of the German Operations Research Society, 30 August - 02 September 2016
- LXXXVIII. **A heuristic procedure for integrated cutting stock and sequencing problem in the marble industry**
KUBUR B., BAYKASOĞLU A.
OR2016: Annual International Conference of the German Operations Research Society, 30 August - 02 September 2016
- LXXXIX. **Combinatorial optimization via weighted superposition attraction**
BAYKASOĞLU A., ŞENOL M. E.
OR2016: Annual International Conference of the German Operations Research Society, 30 August - 02 September 2016
- XC. **Event driven dynamic job shop scheduling under capacity constraints**
BAYKASOĞLU A., KARASLAN F. S.
Proceedings of the Global Joint Conference on Industrial Engineering and Its Application Areas, 14 - 15 July 2016
- XCI. **Minimizing Non Machining Times in Automatic Tool Changers**
ÖZSOYDAN F. B., BAYKASOĞLU A.
28th European Conference on Operational Research (Euro 2016), Poznan, Poland, 3 - 06 July 2016, pp.297-298
- XCII. **A constraint programming approach to flexible manufacturing cell formation with worker assignment**
Şenyüzlüler F., TOPALOĞLU Ş. A., BAYKASOĞLU A.
EURO 2016: 28th European Conference on Operational Research, 3 - 06 July 2016
- XCIII. **An analysis of criteria interaction phenomenon in multiple attribute decision making**
GÖLCÜK İ., BAYKASOĞLU A.
EURO 2016: 28th European Conference on Operational Research, 3 - 06 July 2016
- XCIV. **A MULTIPLE RULE BASED CONSTRUCTIVE HEURISTIC ALGORITHM FOR ASSEMBLY LINE WORKER**

ASSIGNMENT AND BALANCING PROBLEMS WITH CONSIDERING ERGONOMIC RISK FACTORS

DEMİRKOL AKYOL Ş., BAYKASOĞLU A.

17th International Symposium on Econometrics, Operations Research and Statistics, Sivas, Turkey, 2 - 04 June 2016, pp.397-398

- XCIV. A multiple rule based constructive heuristic algorithm for assembly line worker assignment and balancing problems with considering ergonomic risk factors**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
17th International Symposium on Econometrics, Operations Research and Statistics, 2 - 04 June 2016
- XCVI. A literature survey on assembly line worker assignment and balancing problems with considering ergonomic risk factors**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
17th International Symposium on Econometrics, Operations Research and Statistics, 2 - 04 June 2016
- XCVII. Dynamic job shop scheduling with periodic and event driven rescheduling methods**
BAYKASOĞLU A., KARASLAN F. S.
17th International Symposium on Econometrics, Operations Research and Statistics, 2 - 04 June 2016
- XCVIII. A randomized constructive heuristic approach for solving assembly line worker assignment and balancing problem**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
29th Conference of the European Chapter on Combinatorial Optimization, Budapest, Hungary, 26 - 28 May 2016, pp.103-104
- XCIX. A mathematical model and stochastic diffusion search algorithm for marble cutting problem**
KUBUR B., BAYKASOĞLU A.
29th Conference of the European Chapter on Combinatorial Optimization, 26 - 28 May 2016
- C. Realization of stochastic diffusion search algorithm in a multi agent modeling environment for resource constrained project scheduling problem**
ŞENOL M. E., BAYKASOĞLU A.
29th Conference of the European Chapter on Combinatorial Optimization, 26 - 28 May 2016
- CI. A GRASP based Algorithm for Simultaneous Optimization of Order Batching and Picking Operations in Warehouses**
DUDAKLI N., BAYKASOĞLU A., ÖZSOYDAN F. B., YENİLMEZ İ.
ECCO XXIX 2016 - 29th Conference of the European Chapter on Combinatorial Optimization, Budapest, Hungary, 26 - 28 May 2016, pp.68-69
- CII. A novel constrained fuzzy arithmetic based decoding procedure for direct solution of fully fuzzy transportation problems**
BAYKASOĞLU A., SUBULAN K.
FUZZYSS'15: 4th International Fuzzy Systems Symposium, 5 - 06 November 2015, pp.194-203
- CIII. Strategy selection via hierarchical type 2 fuzzy TOPSIS DEMATEL approach**
BAYKASOĞLU A., GÖLCÜK İ.
FUZZYSS'15: 4th International Fuzzy Systems Symposium, 5 - 06 November 2015, pp.248-254
- CIV. A New Mixed Integer Programming Model for Strategic and Tactical Fleet Planning Problems in Intermodal Transportation Networks with a Real Life Application**
BAYKASOĞLU A., SUBULAN K., DUDAKLI N., TAŞAN A. S., Kaplan M. C., Turan M.
XIII. International Logistics and Supply Chain Congress, İzmir, Turkey, 22 - 23 October 2015, pp.637-648
- CV. Production planning with pricing and due date considerations**
BAYKASOĞLU A., EREN AKYOL D., Ecem P., SUBULAN K.
XIII. International Logistics and Supply Chain Congress, 22 - 23 October 2015, pp.397-403
- CVI. Nakliye Komisyonculuğu Bakış Açısıyla Çok Amaçlı Çok Modlu Periyodik Yük Planlama Problemi için Bir Matematiksel Programlama Modeli**
BAYKASOĞLU A., SUBULAN K., ŞAHİNKAYA N.
Uluslararası Katılımlı 15. Üretim Araştırmaları Sempozyumu (ÜAS 2015), İzmir, Turkey, 14 - 16 October 2015, pp.1-10

- CVII. **Kaotik ateş böceği algoritması ile mekanik eniyileme problemlerinin çözümü**
Özsoydan F. B., Baykasoğlu A.
YAEM 2015, Ankara, Turkey, 7 - 11 September 2015, pp.224
- CVIII. **İki Tarafli Rastsal Montaj Hattı Dengeleme Ve Bir İşletmeye Uygulanması**
FATMA SELEN K., ÖZBAKIR L., BAYKASOĞLU A., AKPINAR Ş.
YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ 35. ULUSAL KONGRESİ, Turkey, 9 - 11 September 2015
- CIX. **Yeni Ürün Fiyatlandırma Stratejilerinin Belirlenmesi ve Değerlendirilmesi**
BAYKASOĞLU A., GÖLCÜK İ., EREN AKYOL D., DERİN GÜRE P., ERDİL E., ERDEN TOPAL Y., SARI R.
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 35. Ulusal Kongresi, Turkey, 9 - 11 September 2015, pp.150
- CX. **A constrained fuzzy arithmetic based approach to transshipment problem with fuzzy decision variables**
SUBULAN K., BAYKASOĞLU A.
OR2015: International Conference on Operations Research, 1 - 04 September 2015, pp.39
- CXI. **A Mathematical Model Proposal for Fleet Planning Problem of a Real Life Intermodal Transportation Network**
DUDAKLI N., BAYKASOĞLU A., SUBULAN K., TAŞAN A. S., KAPLAN M. C., TURAN M.
International Conference on Operations Research (OR 2015), Vienna, Austria, 1 - 04 September 2015
- CXII. **A GRASP based approach to dynamic scheduling of parallel heat treatment furnaces in a manufacturing company**
BAYKASOĞLU A., ÖZSOYDAN F. B.
Multidisciplinary International Scheduling Conference: MISTA 2015, Prag, Czech Republic, 25 - 28 August 2015, pp.656-658
- CXIII. **Stratejik ve Taktiksel Filo Yönetimi Üzerine Literatür Araştırması ve Bir Lojistik Firmasından Uygulama Örnekleri**
BAYKASOĞLU A., DUDAKLI N., SUBULAN K., TAŞAN A. S., KAPLAN M. C., TURAN M.
IV. Ulusal Lojistik ve Tedarikçi Zinciri Kongresi, Gümüşhane, Turkey, 21 - 23 May 2015
- CXIV. **A Mathematical Programming Model for Multi Mode Load Planning**
DUDAKLI N., SUBULAN K., BAYKASOĞLU A., TAŞAN A. S.
XVI. International Symposium on Econometrics, Operations Research and Statistics, Turkey, 7 - 12 May 2015
- CXV. **A constructive search algorithm for combinatorial dynamic optimization problems**
BAYKASOĞLU A., ÖZSOYDAN F. B.
IEEE International Conference on Evolving and Adaptive Intelligent Systems (EAIS), France, 1 - 03 December 2015
- CXVI. **A multi-population firefly algorithm for dynamic optimization problems**
ÖZSOYDAN F. B., BAYKASOĞLU A.
IEEE International Conference on Evolving and Adaptive Intelligent Systems (EAIS), France, 1 - 03 December 2015
- CXVII. **Parça-Makine Gruplama Problemi için Kısıt Programlama Yaklaşımı**
ŞENYÜZLÜLER F., TOPALOĞLU Ş. A., BAYKASOĞLU A.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 9 - 10 October 2014
- CXVIII. **Dinamik Optimizasyon Problemleri İçin Uyarlamalı Ateş Böceği Algoritması**
ÖZSOYDAN F. B., BAYKASOĞLU A.
AKILLI SİSTEMLERDE YENİLİKLER VE UYGULAMALARI SEMPOZYUMU: ASYU 2014, İzmir, Turkey, 9 - 10 October 2014, pp.24
- CXIX. **A Simulation Optimization Approach for Self-Adjusting Bid Prices of a Network Revenue Management Considering Booking Cancellations and Firms Competition**
SUBULAN K., YILDIZ G., EREN AKYOL D., BAYKASOĞLU A.
20th Conference of the International Federation of Operational Research Societies, 13 - 18 July 2014
- CXX. **Firefly Algorithm for Continuous and Combinatorial Dynamic Optimization Problems**
ÖZSOYDAN F. B., BAYKASOĞLU A.
20th Conference of the International Federation of Operational Research Societies, Barselona, Spain, 13 - 18 July 2014, pp.214

- CXXI. **Constrained Fuzzy Arithmetic Approach for Fully Fuzzy Transportation Problems**
SUBULAN K., BAYKASOĞLU A.
Yöneylem Araştırması ve Endüstri Mühendisliği 34. Ulusal Kongresi (YAEM 2014), Bursa, Turkey, 25 - 27 June 2014, pp.66-67
- CXXII. **Fully Fuzzy Linear Assignment Method for MADM Problems**
BAYKASOĞLU A., SUBULAN K., MADENOĞLU F. S.
Yöneylem Araştırması ve Endüstri Mühendisliği 34. Ulusal Kongresi (YAEM 2014), Bursa, Turkey, 25 - 27 June 2014, pp.181
- CXXIII. **Designing Reverse Logistics Networks in a Fully Fuzzy Environment**
BAYKASOĞLU A., SUBULAN K.
The 3rd International Fuzzy Systems Symposium (FUZZYSS'13), İstanbul, Turkey, 24 - 25 October 2013, pp.115-120
- CXXIV. **OTOMOBİL KABLO DEMETİ ÜRETİMİNDE ERGONOMİK RİSK FAKTÖRLERİNİ DİKKATE ALAN MONTAJ HATTI DENGELEME**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş., TAŞAN A. S., ÖZMEHMET TAŞAN S., Çimen T., Özen B., Aktaş N., Tarki G., Boz O.
19. ULUSAL ERGONOMİ KONGRESİ, Balıkesir, Turkey, 27 - 29 September 2013, pp.801-808
- CXXV. **MONTAJ HATTI DENGELEME VE İŞGÜCÜ ATAMA PROBLEMİNDE ERGONOMİK RİSK DEĞERLENDİRME**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A.
19. ULUSAL ERGONOMİ KONGRESİ, Balıkesir, Turkey, 27 - 29 September 2013, pp.636-643
- CXXVI. **An Intelligent Water Drops Algorithm Combined with Differential Evolution Algorithm for Solving Cardinality Constrained Portfolio Optimization Problems**
AVCI M. G., BAYKASOĞLU A., ÖZSOYDAN F. B.
26th European Conference on Operational Research, 1 - 04 July 2013
- CXXVII. **A GRASP Based Heuristic for Assembly Line Worker Assignment and Balancing Problem**
DEMİRKOL AKYOL Ş., BAYKASOĞLU A., ÖZBAKIR L.
26TH EUROPEAN CONFERENCE ON OPERATIONAL RESEARCH, Roma, Italy, 1 - 04 July 2013, pp.38
- CXXVIII. **Comparative Analysis of Differential Evolution Firefly and Genetic Algorithms on Dynamic Environments**
ÖZSOYDAN F. B., BAYKASOĞLU A.
26th European Conference on Operational Research (26. EURO/INFORMS), Roma, Italy, 1 - 04 July 2013, pp.7
- CXXIX. **Swarm Intelligence Approaches to A Reverse Logistics Network Design Problem: Seeker Optimization Algorithm versus Particle Swarm Optimization Algorithm**
SUBULAN K., SALTABAŞ A., BAYKASOĞLU A.
26th European Conference on Operational Research (EURO/INFORMS2013), Roma, Italy, 1 - 04 July 2013, pp.366
- CXXX. **Balancing assembly lines by considering ergonomic risk factors a preliminary case study**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş., TAŞAN A. S., ÖZMEHMET TAŞAN S., Aktaş N., Özen B., Boz O., Tarki G., Çimen T.
The International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- CXXXI. **A Multiple Objective Mathematical Programming Model for a Closed Loop Supply Chain Network Design under Uncertainty**
SUBULAN K., BAYKASOĞLU A., ÖZSOYDAN F. B., TAŞAN A. S., SELİM H.
International IIE Conference - Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 33. Ulusal Kongresi, İstanbul, Turkey, 26 - 28 June 2013
- CXXXII. **Montaj Hattı Dengeleme Problemlerinde Ergonomik Faktörlerin Rolü**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş., ÖZBAKIR L.
18. Ulusal Ergonomi Kongresi, Gaziantep, Turkey, 16 - 18 November 2012
- CXXXIII. **Otomobil Kablo Ağlarının Üretimi için Ergonomik Faktörleri Göz Önünde Bulunduran Montaj İstasyonu Tasarımı**
BAYKASOĞLU A., ÖZMEHMET TAŞAN S., TAŞAN A. S., DEMİRKOL AKYOL Ş., Aktaş N., Özen B., Tarki G., Boz O.
18. Ulusal Ergonomi Kongresi, Gaziantep, Turkey, 16 - 18 November 2012, pp.618-623

- CXXXIV. **MONTAJ HATTI DENGEME VE İŞGÜCÜ ATAMA PROBLEMİ ÜZERİNE BİR YAYIN TARAMASI**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş., ÖZBAKIR L.
XII. ÜRETİM ARAŞTIRMALARI SEMPOZYUMU, İzmir, Turkey, 27 - 29 September 2012, pp.1063-1070
- CXXXV. **Klonal Seçim Algoritmasının Etmen Tabanlı Modelleme ve Benzetim Ortamında Realize Edilerek Oryantiring Problemine Uygulanması**
BAYKASOĞLU A., SALTABAŞ A., SUBULAN K., TAŞAN A. S.
XII. Üretim Araştırmaları Sempozyumu (ÜAS2012), İzmir, Turkey, 27 - 29 September 2012, pp.1119-1129
- CXXXVI. **An Application of Eco-Indicator 99 Methodology for Designing a Dynamic Green Tyre Closed-Loop Supply Chain Network with Multiple Recovery Options**
SUBULAN K., BAYKASOĞLU A., TAŞAN A. S.
OR54 - The Annual Conference of the Operational Research Society, Edinburgh, Saint Helena, 4 - 06 September 2012, pp.57
- CXXXVII. **Meta heuristic Approaches for the Assembly Line Balancing Problem**
BAYKASOĞLU A., DEMİRKOL AKYOL Ş.
2012 International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 3 - 06 July 2012, pp.426-434
- CXXXVIII. **Modeling Medium Term Planning Problem in a Closed-Loop Supply Chain with Remanufacturing Option via Fuzzy Mixed-Integer Programming**
SUBULAN K., TAŞAN A. S., BAYKASOĞLU A.
The Second International Fuzzy Systems Symposium (FUZZYSS'11), Ankara, Turkey, 17 - 18 November 2011, pp.332-339
- CXXXIX. **Dynamic Optimization in a Dynamic and Unpredictable World**
BAYKASOĞLU A., UNUTMAZ DURMUŞOĞLU Z. D.
Portland International Center for Management of Engineering and Technology (PICMET) Conference on Technology Management in the Energy-Smart World, Oregon, United States Of America, 31 July - 04 August 2011
- CXL. **Self-adaptive global best harmony search algorithm for training neural networks**
KULLUK S., ÖZBAKIR L., Baykasoglu A.
1st World Conference on Information Technology (WCIT), İstanbul, Turkey, 6 - 10 October 2010, vol.3
- CXLI. **Balancing Parallel Assembly Lines via Ant Colony Optimization**
Baykasoglu A., ÖZBAKIR L., GÖRKEMLİ L., GÖRKEMLİ B.
International Conference on Computers and Industrial Engineering (CIE39), Troyes, France, 6 - 09 July 2009, pp.506-508
- CXLII. **Solving Fuzzy Multi-item Economic Order Quantity Problems via Fuzzy Ranking Functions and Particle Swarm Optimization**
Baykasoglu A., Goecken T.
8th Meeting of the European-Chapter-on-Metaheuristics, Stuttgart, Germany, 01 October 2007, vol.624, pp.33-44
- CXLIII. **Composite Dispatching Rule Generation through Data Mining in a Simulated Job Shop**
Baykasoglu A., Gocken M., ÖZBAKIR L., KULLUK S.
2nd International Conference on Modelling, Computation and Optimization in Information Systems and Management Sciences, Metz, France, 8 - 10 September 2008, vol.14, pp.389-391
- CXLIV. **Employing "Particle Swarm Optimization" and "Fuzzy Ranking Functions" for Direct Solution of EOQ Problem**
Baykasoglu A., Gocken T.
2nd International Conference on Modelling, Computation and Optimization in Information Systems and Management Sciences, Metz, France, 8 - 10 September 2008, vol.14, pp.32-42
- CXLV. **Rule Extraction from Neural Networks Via Ant Colony Algorithm for Data Mining Applications**
ÖZBAKIR L., Baykasoglu A., KULLUK S.
2nd International Conference on Learning and Intelligent Optimization, Trento, Italy, 8 - 12 December 2007, vol.5313, pp.177-179
- CXLVI. **Quantifying flexibility**
BAYKASOĞLU A.

4th International Conference on Responsive Manufacturing, ICRM 2007, Nottingham, England, 17 - 19 September 2007

CXLVII. A loading approach for cellular manufacturing systems

Baykasoglu A., Saad S., Gindy N.

8th International Flexible Automation and Intelligent Manufacturing Conference, Oregon, United States Of America, 1 - 03 July 1998, pp.215-226

CXLVIII. Selection of alternative cutting tools for part features of prismatic components and their effects on operation sequence

Dereli T., Filiz I., BAYKASOĞLU A.

Proceedings of the 1997 5th International Conference on Factory 2000 - The Technology Exploitation Process, Cambridge, Canada, 2 - 04 April 1997, pp.170-177

Supported Projects

Baykasoglu A., Project Supported by Higher Education Institutions, Investigation and Optimization of Energy Absorption Performance of Thin-Walled Structures with Functionally Graded Thickness under Axial and Oblique Impact Loadings, 2017 - 2019

ÖZSOYDAN F. B., BAYKASOĞLU A., DUDAKLI N., Project Supported by Higher Education Institutions, Tam Otomatik Otopark Sistemlerinde Hizmet Sürelerinin İyileştirilmesi, 2017 - 2018

BAYKASOĞLU A., Project Supported by Higher Education Institutions, İkinci dereceden bulanık mantık temelli yeni bir çok kriterli karar verme yaklaşımı geliştirilmesi ve uygulamaları, 2016 - 2018

Baykasoglu A., TUBITAK Project, Dinamik Meta-Sezgisel Optimizasyon, 2015 - 2017

SUBULAN K., BAYKASOĞLU A., Project Supported by Higher Education Institutions, Tüm parametre ve karar değişkenleri bulanık olan doğrusal programlama problemlerinin çözümü için sınırlandırılmış bulanık aritmetik temelli bir yaklaşım, 2015 - 2016

TAŞAN A. S., BAYKASOĞLU A., Industrial Thesis Project, EKOL Lojistik A Ş için stratejik filo yönetimine yönelik bir karar destek sistemi geliştirilmesi, 2014 - 2016

BAYKASOĞLU A., Industrial Thesis Project, Isıl İşlem Fırınlarının Dinamik Yüklenmesiyle Norm Cıvata A Ş de Verimlilik İyileştirme, 2014 - 2015

BAYKASOĞLU A., Industrial Thesis Project, Delphi Automotive Systems Ltd Şti de otomobil kablo ağlarının etkin üretimi için bilgisayar destekli ergonomik risk faktörlerini dikkate alan montaj istasyonu, 2013 - 2014

Baykasoglu A., Project Supported by Higher Education Institutions, Multi Objective Meta Heuristic Optimization To Balance Generalized Assembly Lines, 2012 - 2014

BAYKASOĞLU A., TUBITAK Project, Ari sistemi ve meta ogrenme yaklasimlari ile maliyete duyarli veri madenciligi, 2012 - 2014

Baykasoglu A., Project Supported by Higher Education Institutions, Esnek Üretim Sistemlerinin Dinamik Çizelgelenmesi için Çoklu Etmen Yaklasimi, 2011 - 2014

BAYKASOĞLU A., Project Supported by Higher Education Institutions, Dinamik arac yerlestirme probleminin etmen temelli benzetim ile modellenmesi ve analizi, 2012 - 2013

BAYKASOĞLU A., Project Supported by Higher Education Institutions, KOBİ ler için benzetim ve faaliyet tabanlı maliyetlendirme sistemi geliştirilmesi ve bir lojistik işletmesine uygulanması, 2007 - 2007

BAYKASOĞLU A., TUBITAK Project, Yüksek mukavemetli betonların sezgisel yöntemler ile çok amaçlı tasarım ve üretim optimizasyonu, 2005 - 2007

BAYKASOĞLU A., Project Supported by Higher Education Institutions, Mühendislik ve Tıp Süreçlerinde Bilgi Keşfi ve Veri Madenciligi, 2003 - 2005

BAYKASOĞLU A., Project Supported by Higher Education Institutions, Gaziantep ilinin doğal gaz potansiyelinin araştırılması, 2000 - 2000

Metrics

Publication: 444

Citation (WoS): 6541

Citation (Scopus): 7833

H-Index (WoS): 46

H-Index (Scopus): 50