

Prof.Dr. ADİL BAYKASOĞLU

Kişisel Bilgiler

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Biyografi

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 Eylül 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.

Eğitim Bilgileri

Doktora, University of Nottingham, Mühendislik Fakültesi, Production Engineering and Operations Management (Endüstri Mühendisliği), Birleşik Krallık 1996 - 1999

Sertifika, Kurs ve Eğitimler

Veri Analizi, Temel Düzey R Uygulamaları Eğitimi, AYEUM, Hiras Yazılım, Eğitim & Danışmanlık, 2022

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

Araştırma Alanları

Bilirsizlik Yönetimi, Bilgi Mühendisliği, Bulanık Kümeleler ve Sistemler, Evrimsel Hesaplama, Sinirsel Ağlar, Endüstri Mühendisliği, Eniyileme Kuramı ve Yöntemleri, Üretim Planlaması ve Kontrolü, Karar Kuramı, Tedarik Zinciri ve Lojistik Yönetimi, Bilgisayar Destekli Tasarım ve İmalat, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - Devam Ediyor

Prof.Dr., Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2007 - 2011

Doç.Dr., Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2002 - 2007

Yrd.Doç.Dr., Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 1999 - 2002

Araştırma Görevlisi, Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 1996 - 1999

Öğretim Görevlisi, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1995 - 1996

Araştırma Görevlisi, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1993 - 1995

Akademik İdari Deneyim

Rektörlüğe Bağlı Komisyon Üyesi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2013 -

Devam Ediyor

Anabilim/Bilim Dalı Başkanı, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2012 -

Devam Ediyor

Fakülte Kurulu Üyesi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - 2023

Bölüm Başkanı, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - 2023

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2016 - 2019

Enstitü Yönetim Kurulu Üyesi, Gaziantep Üniversitesi, Mimarlık, 2009 - 2011

Bölüm Başkanı, Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2003 - 2011

Anabilim/Bilim Dalı Başkanı, Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 1999 - 2011

Anabilim/Bilim Dalı Başkanı, Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 1999 - 2011

Fakülte Yönetim Kurulu Üyesi, Gaziantep Üniversitesi, Mühendislik, 2006 - 2007

BAP Bilimsel Komisyon Üyesi, Gaziantep Üniversitesi, Rektörlük, 2003 - 2007

Erasmus Koordinatörü, Gaziantep Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2002 - 2005

Bölüm Başkanı, Gaziantep Üniversitesi, Rektörlük, Enformatik Bölümü, 2002 - 2003

Rektörlüğe Bağlı Komisyon Üyesi, Gaziantep Üniversitesi, Rektörlük, Kütüphane Komisyonu, 1999 - 2003

Verdiği Dersler

Applied Metaheuristics, Yüksek Lisans, 2023 - 2024

Multiobjective and Multicriteria Programming, Yüksek Lisans, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Applied Metaheuristics, Yüksek Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019

Seminer, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Quantitative Business Analysis II, Yüksek Lisans, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Quantitative Business Analysis I, Yüksek Lisans, 2023 - 2024

Quantitative Business Analysis I, Yüksek Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bitirme Projesi, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Computational Intelligence in Design and Manufacturing, Yüksek Lisans, 2021 - 2022

KURUMSAL KAYNAK PLANLANMASI, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015

QUANTİTATİF BUSINESS ANALYSIS 1, Yüksek Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015

YÖNEYLEM ARAŞTIRMASI 1, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Yöneylem Araştırması 2, Lisans, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Total Quality Techniques, Yüksek Lisans, 2014 - 2015

Quantitative Business Analysis 2, Yüksek Lisans, 2014 - 2015

Quality Management, Lisans, 2014 - 2015

Introduction to Fuzzy Logic, Lisans, 2014 - 2015

Selected Topics on Mathematical Programming, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012

Quantitative Business Analysis 1, Yüksek Lisans, 2013 - 2014, 2012 - 2013

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

Computer Programming 1, Lisans, 2001 - 2002

Computer Programming, Lisans, 2001 - 2002

Introduction to Concurrent Engineering, Lisans, 2001 - 2002

Yönetilen Tezler

Baykasoğlu A., Rebalancing manufacturing lines by meta-heuristic methods, Doktora, T.Çimen(Öğrenci), 2023

Baykasoğlu A., Generating Solutions for Data-Driven Decision Making Problems based on Bayesian Models, Doktora, S.ÇALI(Öğrenci), 2023

Baykasoğlu A., Optimal sizing of raw materials in carton box industries, Yüksek Lisans, İ.KARAMAN(Öğrenci), 2023

Baykasoğlu A., Modeling and Solving Dynamic Lot Sizing Problems under Different Production Environments, Doktora, B.KUBUR(Öğrenci), 2022

Baykasoğlu A., Simultaneous and Dynamic Optimization of Operational Planning Problems in Fully Automated Parking Systems, Doktora, N.DUDAKLI(Öğrenci), 2022

Baykasoğlu A., Usability evaluation of a learning management system with axiomatic design, Yüksek Lisans, C.ÜNAL(Öğrenci), 2022

Baykasoğlu A., Coalition of Metaheuristics Through Parallel Computing For Solving Complex Optimization Problems, Doktora, M.EMRE(Öğrenci), 2022

BAYKASOĞLU A., Modeling and solving dynamic lot sizing problems under different production environment, Doktora, B.KUBUR(Öğrenci), 2022

BAYKASOĞLU A., Dynamic pricing in car parks, Yüksek Lisans, E.ERCAN(Öğrenci), 2021

BAYKASOĞLU A., Combining systems dynamics modelling with dynamic multi criteria decision making, Yüksek Lisans, D.YEŞİLKAYA(Öğrenci), 2019

BAYKASOĞLU A., Fuzzy sets and functions with selected problems in decision engineering, Doktora, İ.GÖLCÜK(Öğrenci), 2019

BAYKASOĞLU A., Estimation of loosening rates of fasteners under certain transverse vibration conditions by using computational intelligence techniques., Yüksek Lisans, A.BİYİK(Öğrenci), 2017

BAYKASOĞLU A., Realizing metaheuristic algorithms in multi-agent based modelling environments, Yüksek Lisans, M.EMRE(Öğrenci), 2017

BAYKASOĞLU A., Dynamic scheduling of flexible job shops under capacity and setup constraints, Doktora, F.SELEN(Öğrenci), 2017

BAYKASOĞLU A., Resolving marble cutting problems with mathematical programming and heuristic approaches, Yüksek Lisans, B.KUBUR(Öğrenci), 2016

BAYKASOĞLU A., Modelling and solving optimization problems in uncertain, Doktora, F.BURÇİN(Öğrenci), 2016

BAYKASOĞLU A., Fleet size optimization under certain environment, Yüksek Lisans, N.DUDAKLI(Öğrenci), 2016

BAYKASOĞLU A., Modelling and analysis of complexity in service systems, Doktora, E.EKİNCİ(Öğrenci), 2016

BAYKASOĞLU A., Fleet planning and network optimization in supply chains under uncertain environments, Doktora, K.SUBLAN(Öğrenci), 2016

BAYKASOĞLU A., Production planning implementation in a real life system, Yüksek Lisans, E.PERÇİNİBLİGİ(Öğrenci), 2016

BAYKASOĞLU A., Modelling and solving optimization problems in uncertain/dynamic environments with manufacturing systems examples, Doktora, F.BURÇİN(Öğrenci), 2016

BAYKASOĞLU A., Modeling and solving assembly line design problems by considering human factors with an application, Yüksek Lisans, N.AKTAŞ(Öğrenci), 2015

BAYKASOĞLU A., Dynamic manufacturing cell formation through market oriented programming, Doktora, L.GÖRKEMLİ(Öğrenci), 2014

BAYKASOĞLU A., Multi objective meta-heuristic optimization to balance generalized assembly lines, Doktora, Ş.DEMİRKLİ(Öğrenci), 2014

BAYKASOĞLU A., Investigation of fuzzy functions approach and its possible applications in industrial engineering problems, Yüksek Lisans, S.MARAL(Öğrenci), 2013

- BAYKASOĞLU A., Modeling and solving mixed-model assembly line balancing problem with setups, Doktora, Ş.AKPINAR(Öğrenci), 2013
- BAYKASOĞLU A., An analysis of criteria interaction techniques in multiple attribute decision making and a fuzzy TOPSIS based new model proposal, Yüksek Lisans, İ.GÖLCÜK(Öğrenci), 2013
- BAYKASOĞLU A., Heuristic optimization through negotiation, Doktora, Z.DİDEM(Öğrenci), 2012
- BAYKASOĞLU A., A soft computing based approach to integrated process planning and scheduling with setup and machine capacity considerations, Yüksek Lisans, F.ŞENYÜZLÜLER(Öğrenci), 2012
- BAYKASOĞLU A., Modeling and solving truck-load consolidation problems by using multi-agent technology, Doktora, V.KAPLANOĞLU(Öğrenci), 2011
- BAYKASOĞLU A., Evaluating fuel alternatives for electricity generation in Turkey through multiple criteria decision support methodologies, Yüksek Lisans, M.HALİS(Öğrenci), 2009
- BAYKASOĞLU A., Employing meta-heuristics and fuzzy ranking functions for direct solution of fuzzy mathematical programs, Doktora, T.GÖÇKEN(Öğrenci), 2009
- BAYKASOĞLU A., A simulation study to evaluate the effect of flexibility on flow time, Yüksek Lisans, Z.DİDEM(Öğrenci), 2009
- BAYKASOĞLU A., A simulated based approach to develop new approaches for ?due date assignment? and ?job release? in multi-stage job shops, Doktora, M.GÖÇKEN(Öğrenci), 2009
- BAYKASOĞLU A., Development of a process based generic product costing system for SME's and an application to a logistic company, Yüksek Lisans, V.KAPLANOĞLU(Öğrenci), 2007
- BAYKASOĞLU A., Investigation of the nonwoven fabric production technologies and a cost benefit analysis for the usage of medical textiles, Yüksek Lisans, N.YILANKIRKAN(Öğrenci), 2006
- BAYKASOĞLU A., Market, location and feasibility analysis of baby diaper production, Yüksek Lisans, A.YILANKIRKAN(Öğrenci), 2006
- BAYKASOĞLU A., Performance evaluation and strategy development study using AHP and DEA for business centers, Yüksek Lisans, S.HAMDİ(Öğrenci), 2005
- BAYKASOĞLU A., GIS based multiple criteria decision support system for urban planning problems in Gaziantep, Yüksek Lisans, H.ÇAĞŞIR(Öğrenci), 2005
- BAYKASOĞLU A., Çok objektifli esnek atölye çizelgeleme problemlerinin sezgisel yöntemlerle modellenmesi, analizi ve çözümü, Doktora, L.ÖZBAKIR(Öğrenci), 2004
- BAYKASOĞLU A., Solving two sided assembly line balancing problems with zoning constraints using ant algorithms, Yüksek Lisans, İ.SABUNCU(Öğrenci), 2004
- BAYKASOĞLU A., Solving fuzzy multiple objective optimization models by using multiple objective tabu search, Yüksek Lisans, T.SEVİM(Öğrenci), 2003

Tezsiz Lisansüstü Danışmanlıkları

- Baykasoğlu A., Churn analysis and an application using e-commerce data, Yüksek Lisans-Tezsiz, G.Karakoyun(Öğrenci), 2023
- Baykasoğlu A., System analysis and design for asset management software development, Yüksek Lisans-Tezsiz, M.Özdemir(Öğrenci), 2023
- Baykasoğlu A., Bir işletmede veri güdümlü kestirimci bakım uygulaması , Yüksek Lisans-İkinci Öğretim Tezsiz, Ş.Tekkol(Öğrenci), 2022
- Baykasoğlu A., Betonarme istinat duvarlarının optimum tasarım, Yüksek Lisans-İkinci Öğretim Tezsiz, G.Kurt(Öğrenci), 2020
- Baykasoğlu A., İnşaat sektöründe çok kriterli karar verme teknikleri ile yüklenici seçimi, Yüksek Lisans-İkinci Öğretim Tezsiz, Y.Aykurt(Öğrenci), 2019
- Baykasoğlu A., RFID teknolojisi ile yarı mamul ürün takibi ve bir işletmede örnek uygulama, Yüksek Lisans-İkinci Öğretim Tezsiz, E.Uslucan(Öğrenci), 2019
- Baykasoğlu A., Supplier selection by using multiple criteria decision making methods, Yüksek Lisans-İkinci Öğretim Tezsiz, B.Yağmur(Öğrenci), 2018

Baykasoğlu A., Süreç bazlı benzetim ve modelleme yöntemini kullanarak çamaşır makinesi montaj hattı süreç modellemesi ve analiz, Yüksek Lisans-İkinci Öğretim Tezsiz, H.Meliz(Öğrenci), 2017

Baykasoğlu A., Optimization of material cutting and placement operations in wind blade component production, Yüksek Lisans-İkinci Öğretim Tezsiz, F.Kömürçü(Öğrenci), 2017

Baykasoğlu A., ERP sistemi kurulumda kritik başarı faktörlerinin analizi, Yüksek Lisans-İkinci Öğretim Tezsiz, S.Yorulmaz(Öğrenci), 2016

Baykasoğlu A., Ergonomic risk analysis for a television production line, Yüksek Lisans-İkinci Öğretim Tezsiz, B.Demirkan(Öğrenci), 2014

Baykasoğlu A., Solving generalized travelling salesmen problem (GTSP) with teaching learning based optimization (TLBO) algorithm, Yüksek Lisans-İkinci Öğretim Tezsiz, A.Cansu(Öğrenci), 2012

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. A simulation-optimization-based planning and control system for operations of fully automated parking systems

DUDAKLI N., BAYKASOĞLU A.

Computers and Industrial Engineering, cilt.189, 2024 (SCI-Expanded)

II. Perceived usability evaluation of learning management systems via axiomatic design with a real life application

BAYKASOĞLU A., FELEKOĞLU B., Unal C.

KYBERNETES, cilt.53, sa.1, ss.83-101, 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, cilt.39, sa.1, ss.401-415, 2024 (SCI-Expanded)

IV. 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, sa.early view, ss.1-18, 2024 (SCI-Expanded)

V. 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, cilt.14, ss.115-128, 2023 (SCI-Expanded)

VI. Location and replenishment problems of disaster stations for humanitarian relief logistics along with an application

Yörük E., Baykasoğlu A., Avcı M. G.

Natural Hazards, cilt.119, sa.3, ss.1713-1734, 2023 (SCI-Expanded)

VII. 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), cilt.40, sa.7-8, ss.1947-2008, 2023 (SCI-Expanded)

VIII. 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, ss.1-39, 2023 (SCI-Expanded)

IX. 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, cilt.214, 2023 (SCI-Expanded)

- X. **Experimental investigation of the axial crushing behavior of aluminum/CFRP hybrid tubes with circular-hole triggering mechanism**
Cetin E., BAYKASOĞLU A., Erdin M. E., Baykasoglu C.
Thin-Walled Structures, cilt.182, 2023 (SCI-Expanded)
- XI. **Multi-objective crashworthiness optimization of square aluminum tubes with functionally graded BCC lattice structure filler**
Baykasoglu C., BAYKASOĞLU A., Cetin E.
International Journal of Crashworthiness, 2023 (SCI-Expanded)
- XII. **A matheuristic based solution approach for the general lot sizing and scheduling problem with sequence dependent changeovers and back ordering**
Kubur Özbel B., Baykasoglu A.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING COMPUTATIONS, cilt.14, sa.1, ss.115-128, 2023 (SCI-Expanded)
- XIII. **A Bayesian based approach for analyzing customer's online sales data to identify weights of product attributes**
Çali S., BAYKASOĞLU A.
Expert Systems with Applications, cilt.210, 2022 (SCI-Expanded)
- XIV. **A detailed review and analysis of assembly line rebalancing problems**
Cimen T., BAYKASOĞLU A., DEMİRKOL AKYOL Ş.
ASSEMBLY AUTOMATION, sa.6, ss.742-760, 2022 (SCI-Expanded)
- XV. **Coalition of metaheuristics through parallel computing for solving unconstrained continuous optimization problems**
ŞENOL M. E., BAYKASOĞLU A.
ENGINEERING COMPUTATIONS, cilt.39, sa.8, ss.2895-2927, 2022 (SCI-Expanded)
- XVI. **Capability-based machine layout with a matheuristic-based approach**
BAYKASOĞLU A., SUBULAN K., Hamzadayı A.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.198, 2022 (SCI-Expanded)
- XVII. **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, cilt.22, sa.3, ss.2063-2098, 2022 (SCI-Expanded)
- XVIII. **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, cilt.13, sa.3, ss.363-384, 2022 (SCI-Expanded)
- XIX. **Building blocks of the reverse innovation process**
Dudaklı N., Felekoğlu B., Baykasoglu A.
INNOVATION-THE EUROPEAN JOURNAL OF SOCIAL SCIENCE RESEARCH, cilt.35, sa.2, ss.196-223, 2022 (SSCI)
- 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, cilt.25, sa.23, ss.14893-14932, 2021 (SCI-Expanded)
- XXI. **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, cilt.184, 2021 (SCI-Expanded)
- XXII. **Analysis of rank reversal problems in "Weighted Aggregated Sum Product Assessment" method**
Baykasoglu A., Ercan E.
SOFT COMPUTING, cilt.25, sa.24, ss.15243-15254, 2021 (SCI-Expanded)
- XXIII. **Mathematical programming approach to productivity improvement in wind turbine-blade**

manufacturing through a case study

Baykasoglu A., Dudakli N., Senol M. E., Komurcu F.

ENGINEERING WITH COMPUTERS, cilt.37, sa.4, ss.3843-3856, 2021 (SCI-Expanded)

- XXIV. **Explicit flow-risk allocation for cooperative maximum flow problems under interval uncertainty**

BAYKASOĞLU A., Kubur Özböl B.

Operational Research, cilt.21, ss.2149-2179, 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, cilt.59, sa.15, ss.4633-4648, 2021 (SCI-Expanded)

- XXVI. **A species-based flower pollination algorithm with increased selection pressure in abiotic local pollination and enhanced intensification**

ÖZSOYDAN F. B., BAYKASOĞLU A.

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- XXVII. **Weighted superposition attraction-repulsion (WSAR) algorithm for truss optimization with multiple frequency constraints**

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- XXVIII. **Modeling and solving a real-world cutting stock problem in the marble industry via mathematical programming and stochastic diffusion search approaches**

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- XXXII. **Capability-based distributed layout formation with or without demand and process flow information**

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