

Prof. ADİL BAYKASOĞLU

Personal Information

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International Researcher IDs

ScholarID: zj6t4sYAAAAJ

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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

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

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 Positions

Professor, Dokuz Eylül 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

Doctorate

Ph.D. Thesis, Doctorate, 2024 - 2025
Ph.D. Research, Doctorate, 2024 - 2025
Introduction to Computational Intelligence, Doctorate, 2013 - 2014
Topics in Multiple Objective Decision Making and Optimization, Doctorate, 2010 - 2011

Postgraduate

Applied Metaheuristics, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019
M.Sc. Term Project , Postgraduate, 2024 - 2025
M.Sc. Thesis, Postgraduate, 2024 - 2025
M.Sc. Seminar, Postgraduate, 2024 - 2025
Quantative Business Analysis I, Postgraduate, 2024 - 2025, 2023 - 2024
M.Sc. Research, Postgraduate, 2024 - 2025
Applied Metaheuristics, Postgraduate, 2023 - 2024
Multiobjective and Multicriteria Programming, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Quantitative Business Analysis II, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
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
Computational Intelligence in Design and Manufacturing, Postgraduate, 2021 - 2022
QUANTITATIVE BUSINESS ANALYSIS 1, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Total Quality Techniques, Postgraduate, 2014 - 2015
Quantitative Business Analysis 2, Postgraduate, 2014 - 2015
Quantative Business Analysis 1, Postgraduate, 2013 - 2014, 2012 - 2013

Quantative Business Analysis 2, Postgraduate, 2013 - 2014, 2012 - 2013
Computational Intelligence in Design and Manufacturing, Postgraduate, 2012 - 2013
Business Process Analyses and Modeling, Postgraduate, 2011 - 2012
Modern Management Techniques in Engineering, Postgraduate, 2011 - 2012
Design of Experiments for Engineers, Postgraduate, 2010 - 2011
Network Theory, Postgraduate, 2009 - 2010
Advanced Object Oriented Analysis and Programming, Postgraduate, 2009 - 2010, 2008 - 2009, 2001 - 2002, 2000 - 2001
Methods of Industrial Engineering, Postgraduate, 2008 - 2009, 2002 - 2003
Integer and Goal Programming, Postgraduate, 2007 - 2008
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
Logistics and Supply Chain Management , Postgraduate, 2006 - 2007, 2005 - 2006
Activity Based Costing, Postgraduate, 2005 - 2006, 2003 - 2004
Benchmarking, Postgraduate, 2005 - 2006
Advanced Topics in Facility Layout and Location, Postgraduate, 2005 - 2006, 2001 - 2002
Fuzzy Systems and Control, Postgraduate, 2004 - 2005
Knowledge Discovery and Data Mining, Postgraduate, 2003 - 2004
Cellular Manufacturing , Postgraduate, 2003 - 2004
Discrete and Combinatorial Mathematics, Postgraduate, 2003 - 2004
Computer Applications to Industrial Problems, Postgraduate, 2002 - 2003

Undergraduate

Seminer, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Bitirme Projesi, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
KURUMSAL KAYNAK PLANLANMASI, Undergraduate, 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
Quality Management, Undergraduate, 2014 - 2015
Introduction to Fuzzy Logic, Undergraduate, 2014 - 2015
Selected Topics on Mathematical Programming, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Introduction to Computational Intelligence, Undergraduate, 2013 - 2014
Fuzzy Logic and Industrial Applications, Undergraduate, 2011 - 2012, 2010 - 2011
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
Malzeme ve Lojistik Yönetimi, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
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
Graduation Project, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Üretim Planlaması, Undergraduate, 2007 - 2008, 2006 - 2007
Facilities Design and Planning , Undergraduate, 2006 - 2007, 2004 - 2005
Operations Research I , Undergraduate, 2005 - 2006, 2004 - 2005, 2001 - 2002
Case Studies in Industrial Engineering, Undergraduate, 2005 - 2006, 2002 - 2003, 2001 - 2002
Operations Research II, Undergraduate, 2004 - 2005
Logistics, Undergraduate, 2003 - 2004
Computer Programming 2, Undergraduate, 2003 - 2004

Cellular Manufacturing and Group Technology, Undergraduate, 2003 - 2004, 2000 - 2001
Work Study, Undergraduate, 2002 - 2003
Computer Programming I, Undergraduate, 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

Supervised Theses

Baykasoğlu A., Meta-sezgisel yöntemler ile üretim hatlarının yeniden dengelenmesi, Doctorate, T.Çimen(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., 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., Rebalancing manufacturing lines by meta-heuristic methods, Doctorate, T.ÇİMEN(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.Dudaklı(Student), 2022
Baykasoğlu A., Bir öğrenme yönetim sisteminin aksiyomatik tasarım ile kullanılabilirlik değerlendirmesi, Postgraduate, C.ÜNAL(Student), 2022
BAYKASOĞLU A., Farklı üretim ortamlarında dinamik parti büyüklüğü belirleme problemlerinin modellenmesi ve çözümü, Doctorate, B.KUBUR(Student), 2022
Baykasoğlu A., Karmaşık optimizasyon problemlerinin çözümü için metasezgisel algoritmaların paralel hesaplama yoluyla koalisyonu, Doctorate, M.EMRE(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., Kapasite ve ayar kısıtları altında esnek atölyelerin dinamik çizelgelenmesi, Doctorate, F.SELLEN(Student), 2017
BAYKASOĞLU A., Metasezgisel algoritmaların çoklu etmen benzetim ortamında gerçekleştirilmesi, Postgraduate, M.EMRE(Student), 2017
BAYKASOĞLU A., Yatay titreşim koşulları altında bağlantı elemanlarının çözünme oranlarının bilişsel zeka yöntemleri kullanılarak tahmin edilmesi, Postgraduate, A.BIYIK(Student), 2017
BAYKASOĞLU A., Mermer kesme problemlerinin matematiksel programlama ve sezgisel yöntemlerle çözülmesi, Postgraduate, B.KUBUR(Student), 2016
BAYKASOĞLU A., dinamik optimizasyon problemlerinin modellenmesi ve çözümü, Doctorate, F.BURÇİN(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., Modelling and solving optimization problems in uncertain/dynamic environments with manufacturing

systems examples, Doctorate, F.BURÇİN(Student), 2016

BAYKASOĞLU A., Bir gerçek hayat sisteminde üretim planlama uygulaması, Postgraduate, E.PERÇİN BİLGİ(Student), 2016

BAYKASOĞLU A., Belirli çevre koşulları altında filo büyüklüğü optimizasyonu, Postgraduate, N.DUDAKLI(Student), 2016

BAYKASOĞLU A., Montaj hattı tasarım problemlerinin insan faktörleri dikkate alınarak modellenmesi çözümü ve bir uygulama örneği, Postgraduate, N.AKTAS(Student), 2015

BAYKASOĞLU A., Çok amaçlı meta-sezgisel optimizasyon yaklaşımı ile genelleştirilmiş montaj hattı dengeleme, Doctorate, Ş.DEMİRKOL(Student), 2014

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

BAYKASOĞLU A., Karma modellenli montaj hattı 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., Bulanık fonksiyon yaklaşımının araştırılması ve endüstri mühendisliği problemlerinde olası uygulamaları, Postgraduate, S.MARAL(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., 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., 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., 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., Market, location and feasibility analysis of baby diaper production, Postgraduate, A.YILANKIRKAN(Student), 2006

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

BAYKASOĞLU A., Performance evaluation and strategy development study using AHP and DEA for business centers, Postgraduate, S.HAMDİ(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 salesman problem (GTSP) with teaching learning based optimization (TLBO) algorithm, Masters (Non-Thesis,Evening Education), A.Cansu(Student), 2012

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Research on employing containers as pre-disaster storage units to enhance the effectiveness of post-disaster operations**
Yörük E., Baykasoğlu A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.40, no.2, pp.815-828, 2025 (SCI-Expanded)
- II. **Compression behavior and design optimization of triggered glass fiber reinforced polymer square tubes**
Baykasoğlu C., BAYKASOĞLU A., Erdin M. E., Cetin E.
Polymer Composites, vol.45, no.17, pp.15776-15792, 2024 (SCI-Expanded)
- III. **A matheuristic-based solution approach for integrated stock selection and sizing problem with a case study in a corrugated box-production company**
BAYKASOĞLU A., SUBULAN K., Karaman İ.
Computers and Industrial Engineering, vol.195, 2024 (SCI-Expanded)
- IV. **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, vol.28, no.5, pp.4359-4397, 2024 (SCI-Expanded)
- V. **A simulation-optimization-based planning and control system for operations of fully automated parking systems**
DUDAKLI N., BAYKASOĞLU A.
Computers and Industrial Engineering, vol.189, 2024 (SCI-Expanded)
- VI. **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)
- VII. **Turret-index optimisation with mathematical programming and metaheuristic approaches**

BAYKASOĞLU A., YÖRÜK E., Topaloglu Yildiz Ş. A.

International Journal of Production Research, 2024 (SCI-Expanded)

- VIII. **Developing a matheuristic for dynamic lot sizing and scheduling problem with an application**
Kubur Özbek B., Baykasoğlu A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.401-415, 2024 (SCI-Expanded)
- IX. **Performance analyses of weighted superposition attraction-repulsion algorithms in solving difficult optimization problems**
BAYKASOĞLU A.
Network: Computation in Neural Systems, 2024 (SCI-Expanded)
- X. **Performance Evaluation of Different Dispatching Rules and Heuristics in a Fully Automated Parking System**
Dudaklı N., Baykasoglu A.
Informatica (Netherlands), vol.35, no.1, pp.99-129, 2024 (SCI-Expanded)
- XI. **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)
- XII. **Multi-objective crashworthiness optimization of square aluminum tubes with functionally graded BCC lattice structure filler**
Baykasoğlu C., Baykasoğlu A., Çetin E.
INTERNATIONAL JOURNAL OF CRASHWORTHINESS, vol.29, no.1, pp.80-94, 2024 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)

- XXI. **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)
- XXII. **Capability-based machine layout with a matheuristic-based approach**
BAYKASOĞLU A., SUBULAN K., Hamzadayı A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.198, 2022 (SCI-Expanded)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **Explicit flow-risk allocation for cooperative maximum flow problems under interval uncertainty**
BAYKASOĞLU A., Kubur Özbek B.
Operational Research, vol.21, pp.2149-2179, 2021 (SCI-Expanded)
- XXX. **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)
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