

## Prof.Dr. ADİL BAYKASOĞLU

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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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 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.

### Eğitim Bilgileri

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

### Yabancı Diller

İngilizce, C1 İleri

### 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

Belirsizlik Yönetimi, Bilgi Mühendisliği, Bulanık Kümeler 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  
Quantative 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  
QUANTİTATİVE BUSINESS ANALYSİS 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  
Quantative 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.Dudaklı(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.BIYIK(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.SUBULAN(Öğrenci), 2016  
BAYKASOĞLU A., Production planning implementation in a real life system, Yüksek Lisans, E.PERÇİNBİLGİ(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.DEMİRKOL(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 tasarımı, Yüksek Lisans-İkinci Öğretim Tezsiz, G.Kurt(Öğrenci), 2020

Baykasoğlu A., İnşaat sektöründe çok kriterli karar verme teknikleri ile yüklenici secimi, 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.Kömürcü(Öğrenci), 2017
- Baykasoğlu A., ERP sistemi kurulumunda 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. **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)
- 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, sa.early view, ss.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, cilt.39, sa.1, ss.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, cilt.14, ss.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, cilt.119, sa.3, ss.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), cilt.40, sa.7-8, ss.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, ss.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, cilt.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, cilt.14, sa.1, ss.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, cilt.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, cilt.210, 2022 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **Capability-based machine layout with a matheuristic-based approach**  
BAYKASOĞLU A., SUBULAN K., Hamzadayı A.  
EXPERT SYSTEMS WITH APPLICATIONS, cilt.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, cilt.22, sa.3, ss.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, cilt.13, sa.3, ss.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, cilt.35, sa.2, ss.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, cilt.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, cilt.25, sa.23, ss.14893-14932, 2021 (SCI-Expanded)
- XXI. **Analysis of rank reversal problems in "Weighted Aggregated Sum Product Assessment" method**  
Baykasoğlu A., Ercan E.  
SOFT COMPUTING, cilt.25, sa.24, ss.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, cilt.37, sa.4, ss.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, cilt.21, ss.2149-2179, 2021 (SCI-Expanded)
- XXIV. **A species-based flower pollination algorithm with increased selection pressure in abiotic local pollination and enhanced intensification**  
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