

## Assoc. Prof. ŞERAFETTİN ALPAY

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-7055-9588

Publons / Web Of Science ResearcherID: P-6133-2019

ScopusID: 23090108500

Yoksis Researcher ID: 171542

### Education Information

Postgraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey 1994 - 1997

Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey 1990 - 1994

### Research Areas

Production Management, Healthcare Administration, Health Management, Management of Enterprises, Management Information Systems, Entrepreneurship and Innovation Management, Informatics, Cognitive Science, Software Management, Information Technologies, Industrial Engineering , Multiobjective Optimization, Heuristic Methods, Simulation, Simulation Optimization, Discrete Simulation, Production Planning and Control, Inventory Systems, Scheduling, Modelling and Analysis of Production Systems , Service Systems Modeling and Analysis, Technology and Innovation Management, Decision Theory, Multi Criteria Decision Making, Decision Support Systems, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2011 - Continues

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2009 - 2011

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 1995 - 2009

### Published journal articles indexed by SCI, SSCI, and AHCI

1. A mobile application based on multi-criteria decision-making methods for underground mining method selection  
İPHAR M., ALPAY Ş.

INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.33, no.7, pp.480-504, 2019 (SCI-Expanded)

- II. **Equipment selection based on two different fuzzy multi criteria decision making methods: Fuzzy TOPSIS and fuzzy VIKOR**  
ALPAY Ş., İPHAR M.  
OPEN GEOSCIENCES, vol.10, no.1, pp.661-677, 2018 (SCI-Expanded)
- III. **A metaheuristic approach for a cubic cell formation problem**  
BURUK ŞAHİN Y., ALPAY Ş.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.65, pp.40-51, 2016 (SCI-Expanded)
- IV. **Underground mining method selection by decision making tools**  
ALPAY Ş., YAVUZ M.  
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.24, no.2, pp.173-184, 2009 (SCI-Expanded)
- V. **GRASP with path relinking for a multiple objective sequencing problem for a mixed-model assembly line**  
ALPAY Ş.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.47, no.21, pp.6001-6017, 2009 (SCI-Expanded)
- VI. **Dynamic job shop scheduling for missed due date performance**  
ALPAY Ş., YUZUGULLU N.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.47, no.15, pp.4047-4062, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **TEKNOLOJİK GELİŞMELER İŞİĞİNDA ENDÜSTRİ MÜHENDİSLİĞİNİN GELECEĞİ**  
Aktar Demirtaş E., Sağır M., Alpay Ş., Özkan N. F., Hasgöl S., Sipahioğlu A.  
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.4, pp.1094-1111, 2023 (Peer-Reviewed Journal)
- II. **A New Mathematical Model for the Integrated Solution of Cell Formation and Part Scheduling Problem**  
BURUK ŞAHİN Y., ALPAY Ş.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.4, pp.1196-1210, 2019 (ESCI)
- III. **A decision support system for underground mining method selection**  
ALPAY Ş., YAVUZ M.  
Lecture Notes In Computer Science, vol.4570, pp.334, 2007 (Scopus)

## Books & Book Chapters

- I. **İş Süreçleri Yönetimi**  
Alpay Ş.  
Anadolu Yayınları, Eskişehir, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **E-ticaret Sektöründe Müşteri Kaybının Yapay Öğrenme Teknikleri ile Tahminlenmesi**  
Yazır K., Alpay Ş.  
2nd. GLOBAL CONFERENCE on ENGINEERING RESEARCH, Balıkesir, Turkey, 7 - 10 October 2022, pp.396-397
- II. **A New Mathematical Model towards the Integration of CellFormation and Part Scheduling**  
BURUK ŞAHİN Y., ALPAY Ş.  
Global Joint Conference on Industrial Engineeringand Its Application Areas, 14 - 15 July 2016

- III. **Operators Assignment in Cellular Manufacturing Systems A Review of Recent Applications**  
BURUK ŞAHİN Y., ALPAY Ş.  
Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016
- IV. **A Computer Program for Underground Mining Method Selection by Using TOPSIS and Yager s Method**  
ALPAY Ş., YAVUZ M.  
2015 Aachen International Mining Symposium, Aachen, Germany, 27 - 28 May 2015
- V. **UMMSMADM A Computer Program for Underground Mining Method Selection by Multiple Attribute Decision Making Tools**  
ALPAY Ş., YAVUZ M.  
2010 SME Annual Meeting, PHOENIX, United States Of America, 28 February - 03 March 2010
- VI. **Agent-Based Shop-Floor Control System in a Dynamic Environment**  
ALPAY Ş., SARIÇİÇEK İ.  
Fifth International Conference on Information Technology: New Generations, IEEE (ITNG2008), 7 - 09 April 2008, pp.414-419
- VII. **A decision support system for underground mining method selection**  
ALPAY Ş., YAVUZ M.  
20th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, Kyoto, Japan, 26 - 29 June 2007, vol.4570, pp.334-335
- VIII. **A study of factors affecting due date predictability for on-time delivery in a dynamic job shop**  
ALPAY Ş., YUZUGULLU N.  
19th Australian Joint Conference on Artificial Intelligence, Hobart, Australia, 4 - 08 December 2006, vol.4304, pp.1239-1240
- IX. **A Guideline for DSS System for Underground Mining Method Selection**  
YAVUZ M., ALPAY Ş.  
18th International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 10 - 13 June 2003

## Supported Projects

ALPAY Ş., BURUK ŞAHİN Y., Project Supported by Higher Education Institutions, Hücresel İmalat Sistemlerinde Hücre Oluşturma Problemleri için Bir Çözüm Yaklaşımı, 2015 - 2016

ALPAY Ş., Project Supported by Higher Education Institutions, Bir İmalat İşletmesinde Üretim Çizelgeleme Problemi İçin İki Aşamalı Sezgisel Yaklaşım, 2014 - 2015

## Metrics

Publication: 19

Citation (WoS): 132

Citation (Scopus): 178

H-Index (WoS): 7

H-Index (Scopus): 7

## Non Academic Experience

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