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International Researcher IDs

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

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Learning Knowledge

Doctorate 1998 - 2003	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, Turkey
Postgraduate 1994 - 1997	Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey
Undergraduate 1990 - 1994	Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey

Dissertations

Doctorate, Dynamic stochastic multimachine job shop scheduling for missed due-date performance, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2003

Postgraduate, The Design of computer aided master production scheduling system and an application, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 1997

Academic Titles / Tasks

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

Research Assistant
1995 - 2009

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ
MÜHENDİSLİĞİ BÖLÜMÜ

Jury Memberships

Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, June, 2023
Doctorate, Doctorate, Eskişehir Osmangazi Üniversitesi, June, 2018
Doctorate, Doctorate, Eskişehir Osmangazi Üniversitesi, June, 2018
Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, June, 2016
Post Graduate, Post Graduate, Anadolu Üniversitesi, June, 2015
Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, June, 2015
Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, June, 2013
Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, June, 2013
Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, June, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. An analytical network process model for deciding on Türkiye's Coal Mining Policy**
Alpay Ş., Yavuz M.
MINERAL RESOURCES MANAGEMENT, vol.40, no.3, pp.113-134, 2024 (SCI-Expanded)
- 2. Integrated cell formation and part scheduling: A new mathematical model along with two meta-heuristics and a case study for truck industry**
Buruk Şahin Y., Alpay Ş.
SCIENTIA IRANICA INTERNATIONAL JOURNAL OF SCIENCE & TECHNOLOGY, vol.31, no.11, pp.888-905, 2024 (SCI-Expanded)
- 3. 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)
- 4. 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)
- 5. 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)
- 6. 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)
- 7. 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)
- 8. Dynamic job shop scheduling for missed due date performance**
ALPAY Ş., YUZUGULLU N.

Articles Published in Other Journals

1. **TEKNOLOJİK GELİŞMELER İŞİĞİNDE ENDÜSTRİ MÜHENDİSLİĞİNİN GELECEĞİ**
Aktar Demirtaş E., Sağır M., Alpay Ş., Özkan N. F., Hasgül S., Sipahioğlu A.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.4, pp.1094-1111, 2023 (Peer-Reviewed Journal)
2. **A New Mathematical Model for the Integrated Solution of Cell Formation and Part Scheduling Problem**
Buruk Şahin Y., Alpay Ş.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.4, pp.1196-1210, 2019 (ESCI)
3. **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

1. **Sürecin Yeniden Tasarlanması**
Alpay Ş.
in: Business Process Management, Doç.Dr. Sinan AYDIN, Editor, Anadolu Üniversitesi Yayınları, Eskişehir, pp.157-172, 2021
2. **Süreç Tanımlama ve Temel Süreç Modelleme**
Alpay Ş.
in: Business Process Management, Doç.Dr. Sinan AYDIN, Editor, Anadolu Üniversitesi Yayınları, Eskişehir, pp.19-32, 2021
3. **Data Query**
Alpay Ş., Aydın S.
in: Database Systems, Doç.Dr. Harun SÖNMEZ, Yrd.Doç.Dr. Sinan AYDIN, Editor, Anadolu Üniversitesi Yayınları, Eskişehir, pp.118-147, 2016

Refereed Congress / Symposium Publications in Proceedings

1. **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
2. **A New Mathematical Model towards the Integration of CellFormation and Part Scheduling**
BURUK ŞAHİN Y., ALPAY Ş.
Global Joint Conference on Industrial Engineering and Its Application Areas, 14 - 15 July 2016
3. **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
4. **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
5. **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

6. **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

7. **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

8. **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

9. **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

Academic and Administrative Experience

2014 - 2015	Deputy Head of Department	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü
2013 - 2014	Deputy Head of Department	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü
2012 - 2013	Deputy Head of Department	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü

Scientific Refereeing

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, November 2022

Business and Economics Research Journal, National Scientific Refreed Journal, August 2020

Business and Economics Research Journal, National Scientific Refreed Journal, July 2019

Production and Manufacturing Research, SCI Journal, April 2018

Business and Economics Research Journal, National Scientific Refreed Journal, September 2017

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, April 2015

Production and Manufacturing Research, SCI Journal, March 2014

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, November 2012

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, July 2012

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, October 2011

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