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International Researcher IDs

ORCID: 0000-0003-4035-2775

Publons / Web Of Science ResearcherID: G-3218-2019

Yoksis Researcher ID: 156795

Learning Knowledge

Post Doctorate 2017 - 2018	University of Southampton, Business School (Logistic Management), United Kingdom
Doctorate 2010 - 2014	Dokuz Eylul University, Fen Bilimleri Enstitüsü, Endüsrti Mühendisliği, Turkey
Postgraduate 2007 - 2010	Dokuz Eylul University, Fen Bilimleri Enstitüsü, Endüstri Mühendsliği, Turkey
Undergraduate 1998 - 2002	Balikesir University, Faculty Of Engıneerıng-Archıtecture, Endüstri Mühendisliği, Turkey

Certificates, Courses and Trainings

Foreign Language, YYÜ Öğretim Elemanlarının İngilizceye Dayalı Araştırma Altyapılarının Geliştirilmesi, Swan Training Institude, Dublin, İrlanda, 2016

Dissertations

Doctorate, Simulation based optimization using simulated annealing for dynamic scheduling of parallel machines with a common server, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2014

Postgraduate, A genetic algorithm based approach for simultaneously solving U-shape mixed-model assembly line balancing and sequencing problem, Dokuz Eylul University, Endüstri Müendisliği, Endüstri Müendisliği, 2010

Academic Titles / Tasks

Associate Professor 2021 - Continues	Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü

| Assistant Professor
2018 - 2021 | Van Yüzüncü Yil University, Endüstri Mühendisliği |

| Assistant Professor
2015 - 2018 | Van Yüzüncü Yil University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği |

| Research Assistant
2007 - 2015 | Dokuz Eylul University, Mühendislik Fakültesi, Endüstri Mühendisliği |

| Research Assistant
2005 - 2007 | Van Yüzüncü Yil University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği |

Supported Projects

1. Çelik H. E., Uludağ F., Çavuş H., Şensoy S., Tanhan F., Hamzadayı A., Van M. H., Canayaz M., Özdağ R., ÇELİK İ., et al., Project Supported by Higher Education Institutions, Uluslararası Veri Bilimi Makine Öğrenme ve İstatistik Konferansı DMS2019, 2019 - 2019

Jury Memberships

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, October, 2021
Post Graduate, Post Graduate, Ondokuz Mayıs Üniversitesi, June, 2021
Post Graduate, Post Graduate, Pamukkale Üniversitesi, August, 2020
Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, April, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A branch-and-cut approach for the distributed no-wait flowshop scheduling problem**
   Avci M., AVCI M. G., Hamzadayı A.
   COMPUTERS & OPERATIONS RESEARCH, vol.148, 2022 (SCI-Expanded)
2. **A comparative study of modeling and solution approaches for the multi-mode resource-constrained discrete time-cost trade-off problem: Case study of an ERP implementation project**
   Cakir G., SUBULAN K., YILDIZ Ş. A., Hamzadayı A., Asilkefeli C.
   COMPUTERS & INDUSTRIAL ENGINEERING, vol.169, 2022 (SCI-Expanded)
3. **Capability-based machine layout with a matheuristic-based approach**
   BAYKASOĞLU A., SUBULAN K., Hamzadayı A.
   EXPERT SYSTEMS WITH APPLICATIONS, vol.198, 2022 (SCI-Expanded)
4. **Distributed assembly permutation flow shop problem; Single seekers society algorithm**
   Hamzadayı A., Arvas M. A., Elmi A.
   JOURNAL OF MANUFACTURING SYSTEMS, vol.61, pp.613-631, 2021 (SCI-Expanded)
5. **An effective benders decomposition algorithm for solving the distributed permutation flowshop scheduling problem**
   Hamzadayı A.
   COMPUTERS & OPERATIONS RESEARCH, vol.123, 2020 (SCI-Expanded)
6. **Solving combinatorial optimization problems with single seekers society algorithm**

Hamzadayı A., Baykasoglu A., Akpinar S.

KNOWLEDGE-BASED SYSTEMS, vol.201, 2020 (SCI-Expanded)

7. **Benders decomposition for the mixed no-idle permutation flowshop scheduling problem**

Bektas T., Hamzadayı A., Ruiz R.

JOURNAL OF SCHEDULING, vol.23, no.4, pp.513-523, 2020 (SCI-Expanded)

8. **Greedy randomized adaptive search for dynamic flexible job-shop scheduling**

Baykasoğlu A., Madenoğlu F. S., Hamzadayı A.

Journal Of Manufacturing Systems, vol.56, pp.425-451, 2020 (SCI-Expanded)

9. **Single Seekers Society (SSS): Bringing together heuristic optimization algorithms for solving complex problems**

Baykasoglu A., Hamzadayı A., Akpinar S.

KNOWLEDGE-BASED SYSTEMS, vol.165, pp.53-76, 2019 (SCI-Expanded)

10. **Modeling and solving static m identical parallel machines scheduling problem with a common server and sequence dependent setup times**

Hamzadayı A., Yildiz G.

Computers and Industrial Engineering, vol.106, pp.287-298, 2017 (SCI-Expanded)

11. **Hybrid strategy based complete rescheduling approaches for dynamic m identical parallel machines scheduling problem with a common server**

Hamzadayı A., Yildiz G.

SIMULATION MODELLING PRACTICE AND THEORY, vol.63, pp.104-132, 2016 (SCI-Expanded)

12. **Event driven strategy based complete rescheduling approaches for dynamic m identical parallel machines scheduling problem with a common server**

Hamzadayı A., Yildiz G.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.91, pp.66-84, 2016 (SCI-Expanded)

13. **Testing the performance of teaching-learning based optimization (TLBO) algorithm on combinatorial problems: Flow shop and job shop scheduling cases**

Baykasoglu A., Hamzadayi A., Kose S. Y.

INFORMATION SCIENCES, vol.276, pp.204-218, 2014 (SCI-Expanded)

14. **Nested simulated annealing approach to periodic routing problem of a retail distribution system**

Hamzadayi A., Topaloglu S., Kose S. Y.

COMPUTERS & OPERATIONS RESEARCH, vol.40, no.12, pp.2893-2905, 2013 (SCI-Expanded)

15. **A simulated annealing algorithm based approach for balancing and sequencing of mixed-model U-lines**

Hamzadayi A., Yildiz G.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.66, no.4, pp.1070-1084, 2013 (SCI-Expanded)

16. **A genetic algorithm based approach for simultaneously balancing and sequencing of mixed-model U-lines with parallel workstations and zoning constraints**

Hamzadayi A., Yildiz G.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.62, no.1, pp.206-215, 2012 (SCI-Expanded)

Articles Published in Other Journals

1. **A Hybrid Benders Decomposition Algorithm and New Models for the Distributed Permutation Flowshop Scheduling Problem**

İşgüder H. O., Hamzadayı A.

Avrupa Bilim ve Teknoloji Dergisi, no.23, pp.126-148, 2021 (Peer-Reviewed Journal)

2. **A simulated annealing approach based simulation -optimisation to the dynamic job-shop scheduling problem**

SEL Ç., Hamzadayı A.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK

BILIMLERI DERGISI, vol.24, no.4, pp.665-674, 2018 (ESCI)

3. **Balancing of mixed-model two-sided assembly lines using teaching-learning based optimization algorithm**
Hamzadayı A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.4, pp.682-691, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

1. **A Hybrid Metaheuristic Approach for Solving Vehicle Routing Problem with Mixed Pickup and Delivery**
Hamzadayı A., Baykasoğlu A., Akpınar Ş.
International Conference on Data Science, Machine Learning and Statistics - 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.70-72

2. **Delayed Constraint Generation for the Type-II Assembly Line Balancing Problem**
Hamzadayı A., Bektaş T.
International Conference on Data Science, Machine Learning and Statistics - 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.55-57

3. **Vehicle routing problem with simultaneous pickups and deliveries**
Hamzadayı A., Sel Ç.
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017, pp.310-311

4. **Scheduling the Unrelated Parallel Machines with a Common Server**
Sel Ç., Hamzadayı A., Elmi A.
3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapeşte, Hungary, 3 - 07 May 2017, pp.1-4

5. **Açgözlü Rastsallastırılmıs Uyarlamalı Arama Algoritmasının Farklı Yerel Arama Yapılarıyla Akıs Tipi Çizelgeleme Problemlerine Uygulanması**
BAYKASOGLU A., Madenoğlu F. S., Hamzadayı A., Gölcük İ.
ASYU: Akıllı Sistemlerde Yenilikler ve Uygulamaları, İzmir, Turkey, 9 - 10 October 2014, pp.50

6. **Farklı Yaklasımlar Kullanılarak Atölyelerin Dinamik Olarak Çizelgelenmesi Probleminin Çözümü**
BAYKASOGLU A., Hamzadayı A., Madenoğlu F. S.
14. Üretim Arastırmaları Sempozyumu, İstanbul, Turkey, 3 - 05 September 2014, pp.347-356

7. **GRASP Based Algorithm for Dynamic Job-Shop Scheduling with Sequence Dependent Setup Times**
Madenoğlu F. S., BAYKASOGLU A., Hamzadayı A.
IFORS, Barcelona, Spain, 13 - 18 July 2014, pp.155-156

8. **Simulation-Based Scenario Analysis in a Kanban Controlled Pull Production System**
KOSE S. Y., Hamzadayı A., YILDIZ G.
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013, pp.147

9. **Analyzing Multi-server Queuing Model with no Waiting Line**
İşgüder H. O., Akpınar Ş., Elmi A., Hamzadayı A., KOSE S. Y.
25th European Conference on Operation Research, Vilnius, Lithuania, 8 - 11 July 2012, pp.233

10. **Multi- Criteria Comparison of Catering Service Companies Using Grey Relational Analysis: The Case of Turkey**
Hamzadayı A., KOSE S. Y., Akpınar Ş., Elmi A., İşgüder H. O.
25th European Conference on Operation Research, Vilnius, Lithuania, 8 - 11 July 2012, pp.81

11. **A Dynamic Scheduling Approach for Solving the Single Machine Total Weighted Tardiness Problem**
Akpınar Ş., Hamzadayı A., KOSE S. Y., İşgüder H. O., Elmi A.
25th European Conference on Operation Research, Vilnius, Lithuania, 8 - 11 July 2012, pp.45

12. **MILP Model for the Parallel Machine Scheduling Problem with Sequence Dependent Setup Times and**

a Single Server

Elmi A., KOSE S. Y., İşgüder H. O., Akpınar Ş., Hamzadayı A.

13th International Conference on Econometrics, Gazimagusa, Cyprus (Kktc), 24 - 26 May 2012, pp.65

13. **A Hybrid Differantial Evolution with Simulated Annealing Algorithm for Flow Shop Scheduling**

KOSE S. Y., Elmi A., İşgüder H. O., Akpınar Ş., Hamzadayı A.

13th International Conference on Econometrics, Gazimagusa, Cyprus (Kktc), 24 - 26 May 2012, pp.87

14. **Nested Simulated Annealing Approach to the Multi-period Vehicle Routing Problem of a Retail Distribution System**

TOPALOGLU S., Hamzadayı A., KOSE S. Y.

9th International Logistics and Supply Chain Congress, İzmir, Turkey, 27 - 29 November 2011, pp.371-377

15. **A n Integer Linear Programming Model for Group Scheduling in Hybrid Flow Shop**

Hamzadayı A., Elmi A., Akpınar Ş., Elmi A.

4th International Conerence of Iranian Operations Research Society, Rasht, Iran, 18 - 19 May 2011, pp.707-708

16. **A Tabu Search Approach for the Flow Shop Scheduling Problem**

Elmi A., Hamzadayı A., Akpınar Ş., Elmi A.

4th International Conerence of Iranian Operations Research Society, Rasht, Iran, 18 - 19 May 2011, pp.538-539

17. **Minimization of Total Tardiness on Unrelated Parallel Machines via Simulated Annealing**

Akpınar Ş., Elmi A., Hamzadayı A.

4th International Conerence of Iranian Operations Research Society, University Of Guilan/Rasht, Iran, 18 - 19 May 2011, pp.536-537

18. **Portföy Seçiminde Genetik Algoritma ile Bulanık Hedef Programlama**

Hamzadayı A., TOPALOGLU S., Özdemir Ö.

YA/EM: Yöneylem Arastırması/Endüstri Mühendisligi 29. Ulusal Kongresi, Ankara, Turkey, 22 - 24 June 2009, pp.201-211

Academic and Administrative Experience

2018 - Continues	**Head of Department**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü
2018 - Continues	**Academic Board Member**	Van Yüzüncü Yil University, Mühendislik Fakültesi
2018 - Continues	**Head of Department**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü
2018 - Continues	**Head of Department**	Van Yüzüncü Yil University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü

Courses

Sayısal Analiz, Undergraduate, 2020 - 2021, 2019 - 2020
Fabrika Organizasyonu, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017
Mühendislik Ekonomisi, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016
Deneysel Tasarım, Postgraduate, 2019 - 2020
Üretim ve Servis Sistemlerinde Planlama ve Çizelgeleme, Postgraduate, 2019 - 2020

Scientific Refereeing

Journal of Intelligent Manufacturing, SCI Journal, November 2019

Computers & Industrial Engineering, SCI Journal, November 2019

Engineering Applications of Artificial Intelligence, SCI Journal, November 2019

Engineering Applications of Artificial Intelligence, SCI Journal, November 2019

Computers & Industrial Engineering, SCI Journal, November 2019

Engineering Applications of Artificial Intelligence, SCI Journal, July 2019

Engineering Applications of Artificial Intelligence, SCI Journal, July 2019

INTERNATIONAL JOURNAL OF INTELLIGENT COMPUTING AND CYBERNETICS, Other Indexed Journal, July 2019

Journal of Intelligent Manufacturing, SCI Journal, July 2019

INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH, SCI Journal, July 2019

Engineering Applications of Artificial Intelligence, SCI Journal, July 2019

Computers & Industrial Engineering, SCI Journal, July 2019

INTERNATIONAL JOURNAL OF INTELLIGENT COMPUTING AND CYBERNETICS, Other Indexed Journal, April 2019

Computers & Industrial Engineering, SCI Journal, March 2019

INTERNATIONAL JOURNAL OF INTELLIGENT COMPUTING AND CYBERNETICS, Other Indexed Journal, November 2018

COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, October 2018

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, October 2018

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, July 2018

IEEE Transactions on Automation Science and Engineering, SCI Journal, July 2018

Journal of Intelligent & Fuzzy Systems, SCI Journal, July 2018

JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, July 2018

JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, May 2018

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, April 2018

Pamukkale University Journal of Engineering Sciences, National Scientific Refreed Journal, March 2018

JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, March 2018

COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, March 2018

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2018

JOURNAL OF INTELLIGENT MANUFACTURING, SCI Journal, January 2018

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, January 2018

IEEE Transactions on Automation Science and Engineering, SCI Journal, January 2018

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, January 2018

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, December 2016

Computers&Industrial Engineering, SCI Journal, December 2016

Metrics

Publication: 38
Citation (WoS): 268
Citation (Scopus): 308
H-Index (WoS): 8
H-Index (Scopus): 8

Research Areas

Industrial Engineering , Engineering and Technology

Non Academic Experience

University of Southampton