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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABE-3921-2020

ScopusID: 57218142013

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2018 - 2022

Postgraduate, Gaziantep University, Institute Of Science, --, Turkey 2015 - 2017

Undergraduate, Gaziantep University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2007 - 2012

Dissertations

Postgraduate, Veri Madenciliği Yaklaşımlarını Kullanarak Üçlü Tarama Testlerinin Sınıflandırma Performansının İyileştirilmesi, Gaziantep Üniversitesi, Institute Of Science, 2017

Research Areas

Simulation and Modelling, Distributed Systems, Information Visualization, Information Storage and Retrieval, Data Representation and Storage, Data Compression, Data Structures, Database Systems, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Natural Language Processing, Text/Document Processing, Pattern Recognition and Image Processing, Neural Networks, Programming Languages, Industrial Engineering , Optimization Theory and Methods, Multiobjective Optimization, Nonlinear Programming, Linear Programming, Heuristic Methods, Integer and Mixed Integer Programming, Simulation, Simulation Optimization, Discrete Simulation, Project Management, Network Design, Optimization, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **FC-Kmeans: Fixed-centered K-means algorithm**
Ay M. M., Özbakır L., Kulluk S., Gülmez B., Öztürk G., Özer S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.211, 2023 (SCI-Expanded)
- II. **CNN-LSTM and clustering-based spatial-temporal demand forecasting for on-demand ride services**
Ay M. M., Kulluk S., Özbakır L., Gülmez B., Öztürk G., Özer S.
NEURAL COMPUTING AND APPLICATIONS, vol.2022, pp.1-16, 2022 (SCI-Expanded)
- III. **A Classification Model for Predicting Fetus with down Syndrome - A Study from Turkey**
Durmusoglu A., AY M. M., Unutmaz Durmusoglu Z. D.

Articles Published in Other Journals

- I. **A two-echelon model for the location-routing problem: distribution of Covid-19 vaccines**

AY M. M., Akdoğan B., Fidan E. M., ÖZBAKIR L.

Pamukkale University Journal of Engineering Sciences, vol.28, pp.559-568, 2022 (ESCI)

Books & Book Chapters

- I. **A Case Study with the BEE-Miner Algorithm: Defects on the Production Line**

Ay M. M., Baykasoğlu A., Özbakır L., Kulluk S.

in: Intelligent Production and Manufacturing Optimisation—The Bees Algorithm Approach, Duc Truong Pham, Natalia Hartono, Editor, Springer Nature, Aarau, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Covid-19 Teşhisinde Topluluk Öğrenme Modellerinin Performansı**

Ay M. M., Özbakır L.

41. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM), Denizli, Turkey, 26 - 28 October 2022, pp.1

- II. **Demand Forecasting with Deep Learning Models**

Ay M. M., Kulluk S., Özbakır L.

5nd International Conference on Data Science and Applications, Muğla, Turkey, 7 - 11 September 2022, pp.40

- III. **Machine Scheduling and Line Balancing for Two Different Machine Groups**

Ay M. M.

5nd International Conference on Data Science and Applications, Muğla, Turkey, 7 - 11 September 2022, pp.39

- IV. **Integration of Big & Streaming Data Technologies and an Application**

Ay M. M.

International Congress on Innovation Technologies & Engineering, İzmir, Turkey, 2 - 04 September 2022, pp.167

- V. **Effect of Different Distance Metrics on Clustering of Geographic Points**

Ay M. M., Özbakır L.

International Congress on Innovation Technologies & Engineering, İzmir, Turkey, 2 - 04 September 2022, pp.166

- VI. **Improvement of Classification Performance for TripleScreening Test Using Data Mining Approache**

Durmuşoğlu A., Ay M. M.

International Conference Applied Mathematics, Computational Science and Systems Engineering (AMCSE 2017), Athens, Greece, 6 - 08 October 2017, pp.113-114

- VII. **Agent-Based Approach to Sequence Dependent Setup Times, Maintenance Times, and the Single Machine Scheduling Problem with Job Priority**

Ay M. M., Kaplanoğlu V.

Yöneylem Araştırması Endüstri Mühendisliği 36. Ulusal Kongresi, İzmir, Turkey, 13 - 16 June 2016, pp.133

Supported Projects

Özbakır L., Kulluk S., Ay M. M., Gülmez B., Project Supported by Other Private Institutions, Kurumsal taksi uygulaması için araç optimizasyon tekniği geliştirilmesi, 2020 - 2021

KAHYA ÖZYİRMİDOKUZ E., UYAR K., Ali R., Norman H., Stoica E. A., Uyar K., TUBITAK Project, Mutlu Proje: Sosyal Mutluluk Ölçen Bir Sosyo-Teknik Madenleme Sistemi, 2017 - 2020

Metrics

Publication: 13

Citation (Scopus): 6

H-Index (Scopus): 1