

## Assoc. Prof. OĞUZHAN AHMET ARIK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: U-7094-2017

ScopusID: 57196196791

Yoksis Researcher ID: 237073

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2017

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2014

Undergraduate, Bahcesehir University, Engineering Faculty, Industrial Engineering Department, Turkey 2004 - 2009

### Research Areas

Optimization Theory and Methods, Production Planning and Control, Ergonomics and Occupational Safety, Supply Chain and Logistics Management

### Academic and Administrative Experience

Nuh Naci Yazgan University, 2022 - 2023

Nuh Naci Yazgan University, 2022 - 2023

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

- I. **A lagrange relaxation based algorithm for parallel injection machine scheduling problem** Paralel enjeksiyon makine çizelgeleme problemi için lagrange gevşetme temelli bir algoritma  
ARIK O. A.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.40, no.1, pp.277-286, 2024 (SCI-Expanded)
- II. **Fuzzy rule-based acceptance criterion in metaheuristic algorithms**  
ARIK O. A.  
JOURNAL OF KING SAUD UNIVERSITY-COMPUTER AND INFORMATION SCIENCES, vol.34, no.9, pp.7775-7789, 2022 (SCI-Expanded)
- III. **Additive manufacturing scheduling problem considering assembly operations of parts**  
ARIK O. A.  
OPERATIONAL RESEARCH, vol.22, no.3, pp.3063-3087, 2022 (SCI-Expanded)
- IV. **Weighted earliness/tardiness parallel machine scheduling problem with a common due date**  
ARIK O. A., Schutten M., Topan E.

EXPERT SYSTEMS WITH APPLICATIONS, vol.187, 2022 (SCI-Expanded)

- V. **Artificial bee colony algorithm including some components of iterated greedy algorithm for permutation flow shop scheduling problems**  
ARIK O. A.  
NEURAL COMPUTING & APPLICATIONS, vol.33, no.8, pp.3469-3486, 2021 (SCI-Expanded)
- VI. **Single machine earliness/tardiness scheduling problem with grey processing times and the grey common due date**  
ARIK O. A.  
GREY SYSTEMS-THEORY AND APPLICATION, vol.11, no.1, pp.95-109, 2021 (SCI-Expanded)
- VII. **Handling of revenue sharing contracts within the scope of game theory**  
Canbulut G., Kose E., ARIK O. A.  
SOFT COMPUTING, vol.25, no.1, pp.321-329, 2021 (SCI-Expanded)
- VIII. **Population-based Tabu search with evolutionary strategies for permutation flow shop scheduling problems under effects of position-dependent learning and linear deterioration**  
ARIK O. A.  
SOFT COMPUTING, vol.25, no.2, pp.1501-1518, 2021 (SCI-Expanded)
- IX. **CROP PATTERN DETERMINATION WITH MIXED INTEGER MATHEMATICAL PROGRAMMING TECHNIQUE IN SPECIFIC AGRICULTURE LAND: A CASE STUDY OF TURKEY**  
Eren H., ARIK O. A., YETİŞİR H.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.9A, pp.8309-8318, 2020 (SCI-Expanded)
- X. **GOAL PROGRAMMING APPROACH FOR CARRYING PEOPLE WITH PHYSICAL DISABILITIES**  
ARIK O. A., Kose E., Canbulut G.  
PROMET-TRAFFIC & TRANSPORTATION, vol.32, no.4, pp.585-594, 2020 (SCI-Expanded)
- XI. **Simple assembly line balancing problem of Type 1 with grey demand and grey task durations**  
ARIK O. A., Kose E., Forrest J.  
GREY SYSTEMS-THEORY AND APPLICATION, vol.9, no.4, pp.401-414, 2019 (SCI-Expanded)
- XII. **Project Staff Scheduling with Theory of Coalition**  
ARIK O. A., Kose E., Forrest J. Y.  
GROUP DECISION AND NEGOTIATION, vol.28, no.4, pp.827-847, 2019 (SSCI)
- XIII. **Fuzzy Parallel Machine Scheduling Problem Under Fuzzy Job Deterioration and Learning Effects With Fuzzy Processing Times**  
ARIK O. A., TOKSARI M. D.  
ADVANCED FUZZY LOGIC APPROACHES IN ENGINEERING SCIENCE, pp.49-67, 2019 (SCI-Expanded)
- XIV. **Mixed integer programming approach for seasonal anomalies instock markets: A case study for BIST**  
ARIK O. A.  
New Trends and Issues Proceedings on Humanities and Social Sciences, vol.5, no.2, pp.19-28, 2018 (SSCI)
- XV. **Multi-objective fuzzy parallel machine scheduling problems under fuzzy job deterioration and learning effects**  
ARIK O. A., TOKSARI M. D.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, no.7, pp.2488-2505, 2018 (SCI-Expanded)
- XVI. **Single machine scheduling problems under position-dependent fuzzy learning effect with fuzzy processing times**  
TOKSARI M. D., ARIK O. A.  
JOURNAL OF MANUFACTURING SYSTEMS, pp.159-179, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Optimal policies for minimizing total job completion times and deviations from common due dates in unrelated parallel machine scheduling**  
ARIK O. A.

OPSEARCH, vol.61, no.3, pp.1654-1680, 2024 (ESCI)

- II. **Memetic algorithm for unrelated parallel machine scheduling problem with grey processing times**  
ARIK O. A.  
Journal of Modelling in Management, vol.18, pp.1584-1602, 2023 (ESCI)
- III. **A heuristic for single machine common due date assignment problem with different earliness/tardiness weights**  
ARIK O. A.  
OPSEARCH, vol.60, 2023 (ESCI)
- IV. **Public transportation vehicle selection by the grey relational analysis method**  
CANBULUT G., KÖSE E., ARIK O. A.  
Public Transport, vol.14, pp.367-384, 2022 (ESCI)
- V. **ÖĞRENME VE BOZULMA ETKİLERİ ALTINDAKİ ORTAK TESLİM TARİHLİ TEK MAKİNE ERKEN/GEÇ TAMAMLANMA ÇİZELGELEME PROBLEMİNİN OPTİMAL ÇİZELGESİNİN V ŞEKLİNDEKİ ÖZELLİĞİ**  
ARIK O. A.  
Endüstri Mühendisliği, vol.33, no.1, pp.115-129, 2022 (Peer-Reviewed Journal)
- VI. **Genetic algorithm application for permutation flow shop scheduling problems**  
ARIK O. A.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.35, pp.92-111, 2022 (ESCI)
- VII. **An Economy's Emergent Properties and How Micro Agents with Inconsistent or Conflicting Interests Are Holistically Organized into Macro Entities**  
Forrest J. Y., Gong Z., KÖSE E., Galbraith D. D., ARIK O. A.  
NA-E GOSPODARSTVO/OUR ECONOMY, vol.67, no.3, pp.49-62, 2021 (Peer-Reviewed Journal)
- VIII. **Long-term Plantation and Harvesting Planning for Industrial Plantation Forest Areas**  
ARIK O. A.  
SN Operations Research Forum, vol.2, 2021 (Scopus)
- IX. **MINIMIZING MAKESPAN WITH FUZZY PROCESSING TIMES UNDER JOB DETERIORATION AND LEARNING EFFECT**  
ARIK O. A., TOKSARI M. D.  
Endüstri Mühendisliği, vol.31, no.1, pp.1-17, 2020 (Peer-Reviewed Journal)
- X. **Dissatisfaction levels of earliness and tardiness durations by relaxing common due date on single machine scheduling problems**  
ARIK O. A.  
Journal of Multidisciplinary Modeling and Optimization, vol.2, no.1, pp.1-15, 2020 (Peer-Reviewed Journal)
- XI. **Comparisons of metaheuristic algorithms for unrelated parallel machine weighted earliness/tardiness scheduling problems**  
ARIK O. A.  
Evolutionary Intelligence, vol.13, pp.415-425, 2019 (ESCI)
- XII. **Credibility based chance constrained programming for project scheduling with fuzzy activity durations**  
ARIK O. A.  
AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), vol.9, no.2, pp.208-215, 2019 (Scopus)
- XIII. **PROJECT SCHEDULING AND STAFF ALLOCATION PROBLEM WITH TIME-DEPENDENT LEARNING EFFECT: A MIXED INTEGER NON-LINEAR PROGRAMMING APPROACH**  
ARIK O. A.  
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, vol.20, no.3, pp.204-215, 2019 (Peer-Reviewed Journal)
- XIV. **Artificial bee colony algorithm to forecast natural gas consumption of Turkey**  
ARIK O. A.  
SN Applied Sciences, vol.1, no.1138, 2019 (ESCI)

## Books & Book Chapters

- I. **Fuzzy Parallel Machine Scheduling Problem under Fuzzy Job Deterioration and Learning Effects with Fuzzy Processing Times**  
ARIK O. A., TOKSARI M. D.  
in: Advanced Fuzzy Logic Approaches in Engineering Science, Mangey Ram, Editor, IGI Global Publisher, Hershey, pp.49-67, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **How Challenges and Successes of a Firm Depend on Its Input-Output Ecosystem**  
Forest J., Yong L., Theresa W., KÖSE E., ARIK O. A.  
50th Annual Conference of the Decision Sciences Institute / New Orleans, 23 - 25 November 2019
- II. **Dependence of A Firm's Performance on Its Ecosystem's Upstream/Downstream Challenges**  
Forrest J. Y., Liu Y., Wajda T. A., KÖSE E., ARIK O. A.  
Annual Conference of the National Association of Business, Economics and Technology, United States Of America, 07 November 2019
- III. **Memetic Algorithm Applied to Forecast Future Natural Gas Demand of Turkey**  
ARIK O. A.  
International Congress on Human-Computer Interaction, Optimization and Robotic Applications, 5 - 06 July 2019
- IV. **Genetik Algoritma ile Türkiye'nin Doğal Gaz Talep Projeksiyonu. Yöneylem Araştırması ve Endüstri Mühendisliği**  
ARIK O. A.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 39. Ulusal Kongresi, Turkey, 12 - 14 June 2019
- V. **Dynamic Programming Approach to Selling and Buying of Stocks in XU030 Index of BIST by Forecasting Stock Prices for Next Five Years**  
ARIK O. A.  
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 11 - 13 May 2018
- VI. **Mixed Integer Linear Programming Approach for Seasonal Anomalies in Stock Markets: A Case Study for BIST**  
ARIK O. A.  
7th World Conference on Business, Economics and Management (BEM-2018), İzmir, Turkey, 28 - 30 April 2018
- VII. **Bulanık Bozulma ve Öğrenme Etkisi Altında Tek Makine Teslim Tarihi Atama Problemi**  
ARIK O. A.  
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 36. Ulusal Kongresi, Turkey, 13 - 15 July 2016

## Metrics

Publication: 38  
Citation (WoS): 148  
Citation (Scopus): 172  
H-Index (WoS): 7  
H-Index (Scopus): 8

## Non Academic Experience

University of Twente