

Lect. PhD ERHAN BARAN

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International Researcher IDs

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Education Information

Doctorate, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2017 - 2022

Postgraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2010 - 2012

Undergraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2005 - 2009

Dissertations

Doctorate, Kalite 4.0 modelinde blok zinciri mimarisi ve metal sektöründe depo yönetim sistemi uygulaması, Sakarya University, 2023

Postgraduate, Tedarikçi seçimi için bir model önerisi: Traktör fabrikası uygulaması, Gazi University, Mühendislik Fakültesi, 2012

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Gazi University, Tusaş - Kazan Meslek Yüksek Okulu, Elektronik ve Otomasyon, 2021 - Continues

Lecturer, Gazi University, Tusaş - Kazan Meslek Yüksek Okulu, Motorlu Araçlar ve Ulaştırma Teknolojileri Bölümü, 2018 - 2021

Research Assistant, Hitit University, Faculty Of Engineering, Department Of Industrial Engineering, 2011 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Blockchain-Based Quality 4.0 Application for Warehouse Management System**
Korkusuzpolat T., Baran E.
APPLIED SCIENCES, vol.14, no.23, pp.1-31, 2024 (SCI-Expanded)
- II. **Classification of Industry 4.0 for Total Quality Management: A Review**
BARAN E., KORKUSUZ POLAT T.

Articles Published in Other Journals

- I. **Optimizing a route path for a mobile blood collection system**
BARAN E.
Computational Intelligence Wireless Sensor Network, 2019 (Peer-Reviewed Journal)
- II. **An Innovative Fuzzy TOPSIS Method to Determine the Location of A New Hospital**
BARAN E.
International Journal of Engineering Science and Application, vol.2, no.4, pp.133-136, 2018 (Peer-Reviewed Journal)
- III. **Route Determination for Capacitated Vehicle Routing Problem with Two Different Hybrid Heuristic Algorithm**
BARAN E.
International Journal of Engineering Science and Application, vol.2, no.2, pp.41-46, 2018 (Peer-Reviewed Journal)
- IV. **Optimizing Medical Waste Collection in Eskişehir by Using Multi-Objective Mathematical Model**
BARAN E.
Gazi University Journal of Science Part A: Engineering and Innovation, vol.4, no.4, pp.93-100, 2017 (Peer-Reviewed Journal)
- V. **A Multi-Objective Approach for The In-Plant Milk-Run in A Furniture Factory**
BARAN E.
International Journal of Engineering Technologies, vol.3, no.4, pp.186-189, 2017 (Peer-Reviewed Journal)
- VI. **Evaluation ang Scheduling of the Car Manufacturing Factory's Employers' Work Shifts**
BARAN E.
International Journal of Engineering Technologies, vol.3, no.1, pp.14-18, 2017 (Peer-Reviewed Journal)
- VII. **A Model Suggestion To Determine The Order Quantity In Supplier Selection Problems**
BARAN E., EROL S.
Gazi University Journal of SciencePart A: Engineering And Innovation, vol.3, no.3, pp.45-50, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Quality 4.0 in Research and Development by Using Blockchain Technology**
Baran E., Korkusuz Polat T.
in: Recent Advances in Intelligent Manufacturing and Service Systems, Zekai Şen,Ercan Öztemel,Caner Erden, Editor, Springer Singapore, Singapore, pp.111-119, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Quality 4.0 in Research and Development by Using Blockchain Technology**
Baran E., Korkusuz Polat T.
IMSS'21 International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 27 - 29 May 2021, pp.111-118

Scientific Refereeing

OPEN CHEMISTRY, Journal Indexed in SCI-E, February 2022

JOURNAL OF TURKISH OPERATIONS MANAGEMENT, Other Indexed Journal, August 2021

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI
DERGISI, Journal Indexed in ESCI, June 2021
GAZI UNIVERSITY JOURNAL OF SCIENCE, Journal Indexed in ESCI, June 2021
International Journal of Health Services Research and Policy, Other Indexed Journal, August 2020

Metrics

Publication: 11
Citation (WoS): 10
Citation (Scopus): 13
H-Index (WoS): 1
H-Index (Scopus): 1

Awards

Baran E., TÜBİTAK Akademik Yayın Teşvik Ödülü, Tübitak, March 2022
Baran E., Akademik Teşvik Ödülü, Yök, January 2018