MUHAMMED EMRE DEMIRCIOGLU

RES. ASST. PHD

Email : edemircioglu@gsu.edu.tr

International Researcher IDs

ORCID: 0000-0002-7985-0934

Publons / Web Of Science ResearcherID: AAC-5812-2020

ScopusID: 57015180000

Yoksis Researcher ID: 132158

Learning Knowledge

Postgraduate 2009 - 2012	Galatasaray University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Yl) (Tezli), Turkey
Undergraduate 2003 - 2009	Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği Bölümü, Turkey

Foreign Languages

French, B2 Upper Intermediate

English, B2 Upper Intermediate

Dissertations

Postgraduate, Solution procedures for the rectilinear distance single source capacitated multi-facility Weber problem, Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Yl) (Tezli), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A novel hybrid approach based on intuitionistic fuzzy multi criteria group-decision making for environmental pollution problem**
   Demircioğlu M. E., Ulukan H. Z.
   JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.38, pp.1013-1025, 2020 (SCI-Expanded)

Books & Book Chapters

1. **An Input-Output Analysis Approach in Waste of Electrical and Electronic Equipments**
   ULUKAN H. Z., DEMİRCİOĞLU M. E., GENEVOIS M.
   in: Interdisciplinary Topics in Applied Mathematics, Modeling and Computational Science , Cojocaru, M.G., Kotsireas, I.S., Makarov, R.N., Melnik, R.V.N., Shodiev, H., Editor, Springer, pp.465-472, 2015

Refereed Congress / Symposium Publications in Proceedings

1. **Milk-run optimization under time windows for collection and replacement of low-charge e-scooters**
   Çakır E., İzcan Ö., Demircioğlu M. E.
   Research and Technologies for Society and Industry (RTSI 2024), Milan, Italy, 18 - 20 September 2024, pp.1-6
2. **Multi-Criteria Evaluation of Battery Electric Vehicles via Circular Intuitionistic Fuzzy PROMETHEE**
   Çakır E., Demircioğlu M. E.
   IEEE 18th International Symposium on Applied Computational Intelligence and Informatics, Budapest, Hungary, 22 - 27 May 2024, pp.1-5
3. **Evaluation of the Smart Cities' Components Using an Intuitionistic Fuzzy Mapping Framework**
   Göker Mutlu N., Dursun Karahüseyin M., Demircioğlu M. E.
   International Academic Conference on Management, Economics and Marketing in Prague 2024, Praha, Czech Republic, 22 - 23 March 2024, pp.48-51
4. **IoT Feature Assessment for Smart Cities via Intuitionistic Fuzzy Selected Element Reduction Approach (IF-SERA)**
   ÇAKIR E., DEMİRCİOĞLU M. E.
   6th International Conference on Signal Processing and Information Communications, Singapore, Singapore, 25 - 27 February 2023
5. **Circular Intuitionistic Fuzzy PROMETHEE Methodology: A Case of Smart Cities Evaluation**
   Çakır E., Demircioğlu M. E.
   International Conference on Intelligent and Fuzzy Systems - INFUS 2023, İstanbul, Turkey, 22 - 24 August 2023, pp.353-361
6. **A Hybrid Machine Learning and Fuzzy Inference Approach with UAV for Indoor Virus Contamination Risk**
   Çakır E., Erdi F., Taş M. A., Demircioğlu M. E.
   11th International Conference on Nano and Materials Science ICNMS 2023, Singapore, Singapore, 13 - 15 January 2023, pp.1-6
7. **A New Weighting Method in Fuzzy Multi-criteria Decision Making: Selected Element Reduction Approach (SERA)**
   Çakır E., Taş M. A., Demircioğlu M. E.
   2022 NORTH AMERICAN FUZZY INFORMATION PROCESSING SOCIETY CONFERENCE NAFIPS'2022, Halifax, Canada, 31 May - 03 June 2022, pp.1-6
8. **Intuitionistic Fuzzy Selected Element Reduction Approach (IF-SERA) on Service Quality Evaluation of Digital Suppliers**
   Çakır E., Taş M. A., Demircioğlu M. E.
   International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems IPMU 2022, Milan, Italy, 11 - 15 July 2022, pp.141-150
9. **An Integrated MCDM Approach for Environmental Pollution**
   Ulukan H. Z., Demircioğlu M. E.
   5th brazilian conference on fuzzy systems (V CBSF), Fortaleza, Brazil, 4 - 06 July 2018, pp.549-559
10. **A hybrid mcdm method using ahp and topsis for environmental pollution in Turkey: A case study**
    Ulukan Z., Demircioğlu M. E., De Andersen M. S.
    47th International Conference on Computers and Industrial Engineering: How Digital Platforms and Industrial Engineering are Transforming Industry and Services, CIE 2017, Lisbon, Portugal, 11 - 13 October 2017
11. **A Survey of Discrete Facility Location Problem**
    ULUKAN H. Z., DEMİRCİOĞLU M. E.
    International Conference on Operations Management and Industrial Engineering, 20 - 21 July 2015, vol.9, pp.2332-2337
12. **A Heuristic Method for Facility Location Problem**
    ULUKAN H. Z., DEMİRCİOĞLU M. E.
    Conference on Economics, Management and Marketing, 7 - 08 August 2015
13. **An Input-Output Analysis Approach in Waste of Electrical and Electronic Equipments**
    Ulukan Z., Demircioglu E., Genevois M. E.

Interdisciplinary International Conference on Applied Mathematics, Modelling and Computational Science (AMMCS), Waterloo, Canada, 26 - 30 August 2013, vol.117, pp.465-472

Courses

Toplam Kalite Yönetimi, Undergraduate, 2022 - 2023, 2021 - 2022
Tesis Planlama, Undergraduate, 2022 - 2023
Mühendislik Etiği, Undergraduate, 2022 - 2023, 2021 - 2022

Metrics

Publication: 16
Citation (WoS): 1
Citation (Scopus): 1
H-Index (WoS): 1
H-Index (Scopus): 1

Research Areas

Engineering and Technology