

# 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 (YI) (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 (YI) (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. **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
2. **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
3. **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
4. **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
5. **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
6. **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
7. **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
8. **A Heuristic Method for Facility Location Problem**  
ULUKAN H. Z., DEMİRCİOĞLU M. E.  
Conference on Economics, Management and Marketing, 7 - 08 August 2015
9. **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: 13  
Citation (WoS): 1

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

## Research Areas

Engineering and Technology