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Öğrenim Bilgisi

Doktora

2020 - Devam Ediyor

Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye

Yüksek Lisans

2017 - 2020

Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye

Lisans Çift Anadal

2015 - 2018

Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği, Türkiye

Lisans

2012 - 2017

Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, Türkiye

Yaptığı Tezler

Yüksek Lisans, Multi-objective decision-making approach for nuclear power plant installation, Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, 2020

Akademik Unvanlar / Görevler

Araştırma Görevlisi

2019 - Devam Ediyor

Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği

Araştırmacı

2024 - 2024

Universite de Lorraine, Laboratoire de Conception, Optimisation et Modélisation des Systèmes (LCOMS)

Araştırmacı

2023 - 2024

Université Paris-Dauphine: Paris IX, Laboratoire d'analyse et modélisation de systèmes pour l'aide à la décision (LAMSADE)

Araştırmacı

2022 - 2022

Université Pascal Paoli: Corse, Laboratory Sciences Pour l'Environnement, UMR CNRS 6134 SPE, Group: "IT Simulation and Ubiquitous Systems"

Desteklenen Projeler

1. DEMİRCİOĞLU M. E., ULUKAN H. Z., ÇAKIR E., Yükseköğretim Kurumları Destekli Proje, Industrial Engineering applications on Fuzzy Logic Environment, 2022 - 2023
2. ULUKAN H. Z., ÇAKIR E., Yükseköğretim Kurumları Destekli Proje, Endüstri Mühendisliğinde Bulanık Küme Uygulamaları, 2020 - 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **CIRCULAR INTUITIONISTIC FUZZY DECISION MAKING AND ITS APPLICATION**
Çakir E., Taş M. A.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.0, sa.0, ss.1-34, 2023 (SCI-Expanded)
2. **Spherical bipolar fuzzy weighted multi-facility location modeling for mobile COVID-19 vaccination clinics**
Çakir E., Taş M. A., Ulukan H. Z.
Journal Of Intelligent & Fuzzy Systems, cilt.0, sa.0, ss.1-14, 2022 (SCI-Expanded)
3. **Intuitionistic fuzzy multi-objective milk-run modelling under time window constraints**
Çakir E., Ulukan H. Z., Kahraman C., Ölçer Sağlam C., Kuleli Pak B., Pekcan B.
Journal Of Intelligent & Fuzzy Systems, cilt.0, sa.0, ss.1-16, 2022 (SCI-Expanded)
4. **Time-dependent Dijkstra's algorithm under bipolar neutrosophic fuzzy environment**
ÇAKIR E., Ulukan Z., ACARMAN T.
Journal of Intelligent and Fuzzy Systems, cilt.42, sa.1, ss.227-236, 2022 (SCI-Expanded)
5. **A Hybrid Kruskal's Algorithm Based on Intuitionistic Fuzzy with Hamacher Aggregation Operator for Road Planning**
Çakir E., Ulukan H. Z.
International Journal of Fuzzy Systems, cilt.23, sa.4, ss.1003-1016, 2021 (SCI-Expanded)
6. **Fuzzy multi-objective decision making approach for nuclear power plant installation**
ÇAKIR E., Ulukan Z.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.39, sa.5, ss.6339-6350, 2020 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

1. **A Hybrid Machine Learning and Fuzzy Inference Approach with UAV for Indoor Virus Contamination Risk**
Çakir E., Erdi F., Demircioğlu M. E., Taş M. A.
International Journal of Engineering and Technology, cilt.15, sa.3, ss.94-99, 2023 (Hakemli Dergi)
2. **Covid-19 Geçici Aşılama Kliniklerinin Atanmasına Sezgisel Bir Yaklaşım**
Çakir E., Taş M. A.
European Journal of Science and Technology, cilt.34, ss.360-366, 2022 (Hakemli Dergi)
3. **Circular Intuitionistic Fuzzy Multi-Criteria Decision Making Methodology**
Çakir E., Taş M. A.
Avrupa Bilim ve Teknoloji Dergisi, sa.28, ss.900-905, 2021 (Hakemli Dergi)
4. **Green Supplier Selection Using Game Theory Based on Fuzzy SWARA**
Taş M. A., Çakir E.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, ss.1-14, 2021 (Hakemli Dergi)
5. **SPHERICAL FUZZY SWARA-MARCOS APPROACH FOR GREEN SUPPLIER SELECTION**
Taş M. A., Çakir E., Ulukan H. Z.
3C Tecnología, ss.115-133, 2021 (ESCI)
6. **WEB CONFERENCING SOFTWARE SELECTION WITH INTERVAL-VALUED FUZZY PARAMETERIZED**

INTUITIONISTIC FUZZY SOFT SETS

Çakır E., Ulukan H. Z.

3C Tecnología, ss.53-65, 2021 (ESCI)

7. KÜRESEL BULANIK KÜMELER İLE GÜVENİLİRLİK ANALİZİ

Çakır E., Ulukan H. Z.

Mühendislik ve Tasarım Bilimleri Dergisi, cilt.9, sa.1, ss.230-239, 2021 (Hakemli Dergi)

Kitap & Kitap Bölümleri

1. A Hybrid Fuzzy MCDM Approach for Sustainable Health Tourism Sites Evaluation

Taş M. A., Çakır E.

Handbook of Research on Advances and Applications of Fuzzy Sets and Logic, Said Broumi, Editör, IGI Global, Tunis, ss.77-104, 2022

2. Digitalization on Aviation 4.0: Designing a Scikit-Fuzzy Control System for In-Flight Catering Customer Satisfaction

Çakır E., Ulukan H. Z.

Intelligent and Fuzzy Techniques in Aviation 4.0, Kahraman C., Aydın S., Editör, Springer, London/Berlin, London, ss.123-146, 2022

3. Bipolar Neutrosophic Fuzzy Dijkstra Algorithm and Its Application

Çakır E., Ulukan H. Z.

Intelligent and Fuzzy Techniques: Smart and Innovative Solutions, Kahraman C., Cevik Onar S., Oztaysi B., Sari I., Cebi S., Tolga A., Editör, Springer-Verlag, Zürich, ss.311-318, 2020

4. A* Algorithm Under Single-Valued Neutrosophic Fuzzy Environment

Çakır E., Ulukan H. Z.

Intelligent and Fuzzy Techniques: Smart and Innovative Solutions, Kahraman C., Cevik Onar S., Oztaysi B., Sari I., Cebi S., Tolga A., Editör, Springer, London/Berlin, Zürich, ss.302-310, 2020

5. A S-QFD Approach with Bipolar Fuzzy Hamacher Aggregation Operators and Its Application on E-Commerce

Çakır E., Ulukan H. Z.

Information Processing and Management of Uncertainty in Knowledge-Based Systems, Marie-Jeanne Lesot, Susana Vieira, Marek Z. Reformato, João Paulo Carvalho, Anna Wilbik, Bernadette Bouchon-Meunier, Ronald R. Yager, Editör, Springer-Verlag, Zürich, ss.577-587, 2020

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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, İtalya, 18 - 20 Eylül 2024, ss.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, Macaristan, 22 - 27 Mayıs 2024, ss.1-5

3. New Multi Criteria Decision Making Methodology EFEE under Uncertainty on Paris City Micromobility

Çakır E., Tolga A. Ç.

Intelligent and Fuzzy Systems (INFUS 2024), Çanakkale, Türkiye, 16 - 18 Temmuz 2024, ss.1-8

4. Micromobility Evaluation in Istanbul: A Critical Review

Çakır E.

3rd International Graduate Research Symposium (IGRS'24), İstanbul, Türkiye, 8 - 10 Mayıs 2024, ss.1-5

5. **Reviewing Micromobility Modes of Paris City by novel MCDM Approach: Extracted Framework Element Effect (EFEE)**
Çakır E., Tolga A. Ç.
33rd European conference on Operational Research (EURO 2024), Kobenhavn, Danimarka, 30 Haziran - 03 Temmuz 2024, ss.1
6. **Circular Intuitionistic Fuzzy AHP for Micromobility Evaluation**
Çakır E.
27TH INTERNATIONAL CONFERENCE ON MULTIPLE CRITERIA DECISION MAKING (MCDM2024), Tunis, Tunus, 2 - 07 Haziran 2024, ss.1
7. **Fuzzy Extracted Framework Element Effect (Fuzzy-EFEE) Methodology**
Çakır E.
27TH INTERNATIONAL CONFERENCE ON MULTIPLE CRITERIA DECISION MAKING (MCDM2024), Tunis, Tunus, 2 - 07 Haziran 2024, ss.1
8. **Criteria Weighting of Micromobility Modes via Extracted Framework Element Effect (EFEE) Methodology**
Çakır E.
2024 Systems and Information Engineering Design Symposium (SIEDS), Virginia, Amerika Birleşik Devletleri, 03 Mayıs 2024, ss.195-199
9. **Micromobility Evolution of İstanbul**
Çakır E.
13.Ulusal Lojistik ve Tedarik Zinciri Kongresi (ULTZK 2024), Afyonkarahisar, Türkiye, 16 - 18 Mayıs 2024, ss.1
10. **Novel Criteria Weighting Methodology EFEE: A Case of Micromobility Modes Assessment in İstanbul**
Çakır E.
10th International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS 2024), Angers, Fransa, 2 - 04 Mayıs 2024, ss.1-5
11. **Lot Sizing Problem with Fuzzy Capacitated Energy Sources**
Çakır E., Akbalık A.
International Conference on Sustainability in Energy and Buildings SEB-23, Bari, İtalya, 18 Eylül 2023
12. **Performance Evaluation of Green Ports via C-IFS AHP: A Case Study in Turkey**
Taş M. A., Çakır E.
The 17th International Conference on Business Excellence (ICBE 2023), Bucuresti, Romanya, 22 - 24 Mart 2023, ss.1-10
13. **Neutrosophic Fuzzy Selected Element Reduction Approach (NF-SERA): Assessment of E-Scooter Parking Area**
ÇAKIR E.
2023 IEEE Symposium Series on Computational Intelligence (SSCI), meksico city, Meksika, 5 - 08 Aralık 2023, cilt.1, ss.1234-1238
14. **EVALUATION OF BRANDS' SOCIAL MEDIA MARKETING PERFORMANCE DURING COVID PANDEMIC: A CASE OF FAST FOOD CHAINE**
Seğmenoğlu F., Çakır E.
BİLTEK-VIII INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES, Paris, Fransa, 24 Ekim 2023, ss.219-227
15. **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, Singapur, 25 - 27 Şubat 2023
16. **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, Türkiye, 22 - 24 Ağustos 2023, ss.353-361

17. **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, Singapur, 13 - 15 Ocak 2023, ss.1-6
18. **IoT Based Smart Cities Evaluation By Circular Intuitionistic Fuzzy Analytic Hierarchy Process**
Çakır E.
International Symposium of the Analytic Hierarchy Process 2022, Web Conference, 15 - 18 Aralık 2022, ss.1-5
19. **UAV Fuzzy Inference System Design for Covid-19 Infection Risk Assessment**
Çakır E., Erdi F.
2022 Innovations in Intelligent Systems and Applications Conference (ASYU), Antalya, Türkiye, 7 - 09 Eylül 2022, ss.1-6
20. **Fuzzy inference design and machine learning approach for UAV image: case of virus contamination**
Çakır E., Erdi F.
LMSCM 2022: 20 th International Logistics and Supply Chain Congress , İstanbul, Türkiye, 20 - 21 Ekim 2022, ss.1
21. **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, Kanada, 31 Mayıs - 03 Haziran 2022, ss.1-6
22. **Circular Intuitionistic Fuzzy Analytic Hierarchy Process for Remote Working Assessment in Covid-19**
Çakır E., Taş M. A.
International Conference on Intelligent and Fuzzy Systems INFUS 2022, İzmir, Türkiye, 01 Temmuz 2022, ss.1-8
23. **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, İtalya, 11 - 15 Temmuz 2022, ss.141-150
24. **A New Circular Intuitionistic Fuzzy MCDM: A Case of Covid-19 Medical Waste Landfill Site Evaluation**
Çakır E., Taş M. A., Ulukan H. Z.
IEEE 21st International Symposium on Computational Intelligence and Informatics (CINTI 2021), Budapest, Macaristan, 18 - 20 Kasım 2021, ss.1-5
25. **Locating Cell on Wheels in Emergency Using Fuzzy COCOSO and Weighted Minimax Methods**
Çakır E., Taş M. A., Ulukan H. Z.
LMSCM2021 19th International Logistics and Supply Chain Congress, Gaziantep, Türkiye, 21 - 22 Ekim 2021, ss.1
26. **Neutrosophic Fuzzy MARCOS Approach for Sustainable Hybrid Electric Vehicle Assessment**
Çakır E., Taş M. A., Ulukan H. Z.
IEEE SMC 2021, Melbourne, Avustralya, 17 - 20 Ekim 2021, ss.1-6
27. **Ranking Triangular and Trapezoidal Fuzzy MARCOS Methods on Road Risk**
Taş M. A., Çakır E.
Conference: 6 th online Forum on Research and Technologies for Society and Industry (IEEE RTSI 2021)At, Naples, İtalya, 6 - 09 Eylül 2021, ss.370-375
28. **A Fuzzy Modeling for Time Constrained Vehicle Routing Problem**
Çakır E., Ulukan H. Z., Kahraman C.
INFUS 2021: Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation , İstanbul, Türkiye, 24 - 26 Ağustos 2021, cilt.307, ss.511-519
29. **Cylindrical Neutrosophic Single-Valued Fuzzy MCDM Approach on Electric Vehicle Charging Station Relocation with Time-Dependent Demand**
Çakır E., Taş M. A., Ulukan H. Z.
INFUS 2021: Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation , İstanbul, Türkiye, 24 - 26 Ağustos 2021, cilt.308, ss.355-363

30. **Circular Intuitionistic Fuzzy Sets in Multi criteria Decision Making**
Çakır E., Taş M. A., Ulukan H. Z.
11th Conference on Theory and Applications of Soft Computing, Computing with Words and Perceptions, ICSCCW 2021, Antalya, Türkiye, 23 - 24 Ağustos 2021, ss.1-8
31. **Cylindrical Neutrosophic Fuzzy Heuristic Approach to Locate Mobile Pandemic Test Labs**
Çakır E., Taş M. A., Ulukan H. Z.
2021 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2021), Luxembourg, Lüksemburg, 11 - 14 Temmuz 2021, ss.1-6
32. **COVID-19 Geçici Test Laboratuvarları Yerleşimi İçin Bulanık Tabanlı Tasarruf Algoritması**
Çakır E., Taş M. A., Ulukan H. Z.
40. Yöneylem Araştırması - Endüstri Mühendisliği Kongresi (YAEM 2021), İstanbul, Türkiye, 4 - 07 Temmuz 2021, ss.87
33. **Türkiye'deki Limanların Çevresel Sürdürülebilirlik Performanslarının Bulanık Çok Kriterli Karar Verme Metodu İle Değerlendirilmesi**
Taş M. A., Çakır E., Ulukan H. Z.
40. Yöneylem Araştırması - Endüstri Mühendisliği Kongresi (YAEM 2021), İstanbul, Türkiye, 4 - 07 Temmuz 2021, ss.19
34. **Fuzzy Linguistic Prolog on Route Prioritisation**
Çakır E.
29th Signal Processing and Communications Applications Conference (SIU 2021), İstanbul, Türkiye, 9 - 11 Haziran 2021, ss.1-4
35. **Neutrosophic Fuzzy Weighted Saving Heuristic for COVID-19 Vaccination**
Çakır E., Taş M. A., Ulukan H. Z.
2021 Systems and Information Engineering Design Symposium (SIEDS), Virginia, Amerika Birleşik Devletleri, 29 - 30 Nisan 2021, ss.1-5
36. **An Intuitionistic Fuzzy MCDM Approach Adapted to Minimum Spanning Tree Algorithm for Spreading Content on Social Media**
ÇAKIR E., ULUKAN H. Z.
11th IEEE Annual Computing and Communication Workshop and Conference, CCWC 2021, Nevada, Amerika Birleşik Devletleri, 27 - 30 Ocak 2021, ss.174-179
37. **Spherical Fuzzy SWARA-MARCOS Approach for Green Supplier Selection**
Taş M. A., Çakır E., Ulukan H. Z.
6th International Conference on Recent Trends in Computer Science and Electronics January 5-7, 2021, University of Hawaii, USA, Hawaii, Amerika Birleşik Devletleri, 5 - 07 Ocak 2021, ss.45
38. **Web Conferencing Software Selection with IntervalValued Fuzzy Parameterized Intuitionistic Fuzzy Soft Sets**
Çakır E., Ulukan H. Z.
6th International Conference on Recent Trends in Computer Science and Electronics January 5-7, 2021, University of Hawaii, USA, Hawaii, Amerika Birleşik Devletleri, 5 - 07 Ocak 2021, ss.42
39. **Bipolar Neutrosophic Fuzzy Dijkstra Algorithm and Its Application**
ÇAKIR E., ULUKAN H. Z.
International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Türkiye, 21 - 23 Temmuz 2020, ss.311-318
40. **A* Algorithm Under Single-Valued Neutrosophic Fuzzy Environment**
ÇAKIR E., ULUKAN H. Z.
International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Türkiye, 21 - 23 Temmuz 2020, ss.302-310
41. **Shortest Fuzzy Hamiltonian Cycle on Transportation Network Using Minimum Vertex Degree and Time-dependent Dijkstra's Algorithm**
ÇAKIR E., Ulukan Z., ACARMAN T.
16th IFAC Symposium on Control in Transportation Systems CTS 2021, Lille, Fransa, 8 - 10 Haziran 2021, cilt.54,

ss.348-353

42. **Sustainable health tourism site selection with a fuzzy linguistic prolog**
ÇAKIR E., ULUKAN H. Z.
Developments of Artificial Intelligence Technologies in Computation and Robotics, Cologne, Germany, 18 - 21 Ağustos 2020, ss.1456-1463
43. **An interval type-2 fuzzy dynamic approach to replacement of server equipment**
ÇAKIR E., ULUKAN H. Z.
2020 IEEE International Conference on Fuzzy Systems, FUZZ 2020, Glasgow, Birleşik Krallık, 19 - 24 Temmuz 2020
44. **A Fuzzy Linguistic Programming for Sustainable Ecotourism Activities**
Çakır E., Ulukan H. Z.
IEEE CCWC 2020, Nevada, Amerika Birleşik Devletleri, 6 - 08 Ocak 2020, ss.121-126
45. **A S-QFD approach with bipolar fuzzy hamacher aggregation operators and its application on e-commerce**
ÇAKIR E., ULUKAN H. Z.
18th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2020, Lisbon, Portekiz, 15 - 19 Haziran 2020, ss.577-587
46. **Interval Type-2 Fuzzy Reliability Modeling for Recycling Facility**
Çakır E., Ulukan H. Z.
2019 4th International Conference on System Reliability and Safety (ICSRS), Rome, İtalya, 20 - 22 Kasım 2019, ss.544-548
47. **A Fuzzy Logic Programming Environment for Recycling Facility Selection**
Çakır E., Ulukan H. Z.
11th International Joint Conference on Computational Intelligence, Vienna, Avusturya, 17 - 19 Eylül 2019, ss.367-374
48. **DUAL HESITANT PYTHAGOREAN FUZZY APPROACH FOR SUSTAINABLE ECOTOURISM SITE SELECTION**
Çakır E., Ulukan H. Z.
ICDSBA 2019: The 3rd Annual International Conference on Data Science and Business Analytics, İstanbul, Türkiye, 11 - 12 Ekim 2019, ss.296-301
49. **Fuzzy Multi-Objective Decision Making Approach For Nuclear Power Plant Installation**
Çakır E., Ulukan H. Z.
INFUS 2019, İstanbul, Türkiye, 23 - 25 Temmuz 2019, ss.1258-1265

Metrikler

Yayın: 67

Atıf (Scopus): 14

H-İndeks (Scopus): 2

Araştırma Alanları

Mühendislik ve Teknoloji

Akademi Dışı Deneyim

Türk Hava Yolları