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International Researcher IDs

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Learning Knowledge

Doctorate 2014 - 2019	State University of New York at Binghamton, THE WATSON SCHOOL OF ENGINEERING, United States Of America
Postgraduate 2010 - 2012	Gazi University, Graduate School Of Natural And Applied Sciences, Turkey
Undergraduate 2005 - 2010	Gazi University, Faculty of Engineering, Turkey

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Distributed decision algorithms for fair resource allocations in collaborative networks, State University of New York at Binghamton, 2018

Academic Titles / Tasks

Assistant Professor 2019 - Continues	Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği
Lecturer 2019 - 2019	Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği

Awards

1. Yılmaz İ., Arıöz Y., Yıldızbaşı A., Öztürk C., BEST STUDENT PAPER "Big-Data Driven in COVID-19 Pandemic Management System: Evaluation of Barriers with Spherical Fuzzy AHP Approach", Intelligen And Fuzzy Systems-Infus2021, March 2021
2. Eraslan E., Yılmaz İ., Yıldızbaşı A., Keleş A., Demircan A., Irmak M., Alkaş B., En iyi araştırma birincisi, Sağlık Akademisyenleri Derneği, December 2020

3. Yılmaz İ., Serhan D., Wang H., Lu H., Computer and Information Systems Division-Mobile App Competition, Institue Of Industrial And Systems Engineering, May 2017

Scholarships

YLSY, Ministry of Education, 2011 - 2018
Binghamton University Foundation Travel Grant, University, 2015 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Celiac disease multi-purpose diet plan through integrated goal programming and Interval Type 2 Fuzzy TOPSIS method**
   YILMAZ İ., Polat L.
   Expert Systems with Applications, vol.218, 2023 (SCI-Expanded)
2. **A Fuzzy DEMATEL framework for maintenance performance improvement: A case of Moroccan Chemical Industry**
   Yilmaz I., Erdebilli B., Naji M. A., Mousrij A.
   JOURNAL OF ENGINEERING RESEARCH, vol.11, pp.1-8, 2023 (SCI-Expanded)
3. **A Sustainable Supply Chain Integrated with Autonomated Inspection, Flexible Eco-Production, and Smart Transportation**
   Dey B. K., Yılmaz İ., Seok H.
   Processes, vol.10, no.9, 2022 (SCI-Expanded)
4. **Evaluation of retail ındustry performance ability through ıntegrated ıntuitionistic fuzzy TOPSIS and data envelopment analysis approach**
   Rouyendegh B. D., YILDIZBAŞI A., YILMAZ İ.
   Soft Computing, vol.24, no.16, pp.12255-12266, 2020 (SCI-Expanded)
5. **Dynamic-distributed decisions and sharing protocol for fair resource sharing in collaborative network**
   YILMAZ İ., Yoon S. W.
   International Journal of Production Economics, vol.226, 2020 (SCI-Expanded)
6. **A framework and algorithm for fair demand and capacity sharing in collaborative networks**
   Yilmaz İ., Yoon S. W., Seok H.
   International Journal of Production Economics, vol.193, pp.137-147, 2017 (SCI-Expanded)

Articles Published in Other Journals

1. **Hastanelerde Yangınla Mücadelede Acil Durum Yönetimine İlişkin Kritik Başarı Faktörlerinin Belirlenmesi**
   TOSUN S., YILMAZ İ.
   Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.9, no.2, pp.760-771, 2022 (Peer-Reviewed Journal)
2. **Bir Otomobil Bakım Servisinde Müşteri Randevu Planlaması İçin Model Önerisi**
   YILMAZ İ.
   JOURNAL OF TURKISH OPERATIONS MANAGEMENT, vol.6, no.2, pp.1410-1423, 2022 (Peer-Reviewed Journal)
3. **A Distributed Adaptive Coordination Protocol to Enhance Manual Order Picking Operations**
   Dauod H., YILMAZ İ., Yoon S. W.
   Procedia Manufacturing, vol.17, pp.1023-1030, 2018 (Scopus)

Books & Book Chapters

1. **Analyzing the Solar Energy System Investment in Turkey**
   Can R. N., YILMAZ İ., ERDEBİLLİ B.
   in: Handbook of Smart Energy Systems, Fathi, M., Zio, E., Pardalos, P.M., Editor, Springer, Cham, pp.1-32, 2022

2. **COVID-19 Pandemi Sürecinde Tıbbi Atık İşleme Tesislerinde Talep ve Kapasite Paylaşım Kararları**
   BÜLTER A. E., YILMAZ İ., ÇERÇİOĞLU H.
   in: Current Debates on Natural and Engineering Sciences, Güler Cengiz, Karacagil Zeynel, Editor, Bilgin Kültür Sanat Yayınlar, Ankara, pp.124-134, 2022

3. **Evaluating Industry 4.0 Barriers by Intuitionistic Fuzzy VIKOR Method**
   YILMAZ İ.
   in: Multiple Criteria Decision Making with Fuzzy Sets, Erdebilli, B., Weber, GW., Editor, Springer, Charm, pp.167-178, 2022

4. **BULANIK ÇOK KRİTERLİ KARAR VERME YÖNTEMLERİ - MS Excel ® ve Software Çözümlü Uygulamalar**
   YILDIZBAŞI A., YILMAZ İ., ERDEBİLLİ B.
   Nobel, 2021

5. **COVID-19 Salgını Sürecinde Uzaktan Eğitim Platformlarının Tek Değerli Nötrosofik TODIM Metodu ile Değerlendirilmesi**
   YILMAZ İ.
   in: BULANIK ÇOK KRİTERLİ KARAR VERME YÖNTEMLERİ - MS Excel ® ve Software Çözümlü Uygulamalar, Kabak Mehmet, Erdebilli Babek, Editor, NOBEL, Ankara, pp.314-329, 2021

6. **Augmented Reality in Supply Chain Management**
   DEMİR S., YILMAZ İ., PAKSOY T.
   in: Logistics 4.0 Digital Transformation of Supply Chain Management, Paksoy Turan, Koçhan Çiğdem, Ali Sadia Samar, Editor, CRC Press, Florida, pp.136-146, 2020

Refereed Congress / Symposium Publications in Proceedings

1. **Ağaçişleri Endüstrisinde Faaliyet Gösteren İşletmelerde Kişisel Koruyucu Donanım Tercihlerinin Öncelik Sırasının Zelirlenmesinde MACBETH Yöntemi Uygulanması**
   YILMAZ İ., YILMAZ K.
   27. Ulusal Ergonomi Kongresi, İzmir, Turkey, 25 March 2022, pp.14

2. **Evaluation of Electrical Vehicles Charging Stations Location Decisions for Shopping Malls in Ankara**
   YILMAZ İ., Başsoy A., Çakır M. K., Çetin B.
   International Conference on Science, Engineering Management and Information Technology 2022 (Semit 2022), Ankara, Turkey, 02 February 2022

3. **Efficiency assessment of wind farms across Marmara region: A novel hybrid fuzzy DEA-Fuzzy MCDM**
   YILMAZ İ.
   International Conference on Science, Engineering Management and Information Technology 2022 (Semit 2022), Ankara, Turkey, 02 February 2022

4. **A Novel Framework for Blood Bank Inventory Management**
   YILMAZ İ., Doğancı S., Çelikten Z.
   International Conference on Science, Engineering Management and Information Technology 2022 (Semit 2022), Ankara, Turkey, 02 February 2022

5. **Covid-19 Vaccination Scheduling Using Feature Selection by Machine Learning Approach**
   YILMAZ İ., Türkkan Y., Değerli Y.
   International Conference on Science, Engineering Management and Information Technology 2022 (Semit 2022), Ankara, Turkey, 02 February 2022

6. **Key Challenges of Lithium-Ion Battery Recycling Process in Circular Economy Environment:**

Pythagorean Fuzzy AHP Approach
YILDIZBAŞI A., ÖZTÜRK C., YILMAZ İ., ARIÖZ Y.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.561-568

7. **Vaccine Selection Using Interval-Valued Intuitionistic Fuzzy VIKOR: A Case Study of Covid-19 Pandemic**
ÖZTÜRK C., YILDIZBAŞI A., YILMAZ İ., ARIÖZ Y.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.101-108

8. **Hospital Type Location Allocation Decisions by Using Pythagorean Fuzzy Sets Composition: A Case Study of COVID-19**
YILMAZ İ., ARIÖZ Y., ÖZTÜRK C., YILDIZBAŞI A.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.589-597

9. **Big Data-Driven in COVID-19 Pandemic Management System: Evaluation of Barriers with Spherical Fuzzy AHP Approach**
ARIÖZ Y., YILMAZ İ., YILDIZBAŞI A., ÖZTÜRK C.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.308, pp.811-818

10. **Collaborative Perishable Inventory Management through Coordination Protocols under Stochastic Parameters**
YILMAZ İ., ÇERÇİOĞLU H., ÇALIŞKAN E.
5th International Conference on Engineering Sciences, Ankara, Turkey, 19 September 2019, vol.1, pp.59

11. **Stratified Fuzzy MCDM Method**
ÇAĞLAYAN N., ERDEBİLLİ B., YILMAZ İ.
5th International Conference on Engineering Sciences, Ankara, Turkey, 19 September 2019, vol.1, pp.108

12. **Real-Time Pricing Protocol for Demand-side Management in Smart-Grid Network**
YILMAZ İ., DEMİR S.
5th International Conference on Engineering Sciences, Ankara, Turkey, 19 September 2019, vol.1, pp.51

13. **Elektrik Akımı Kaynaklı Yangın Sebeplerinin İstatistiksel Analizi**
ERASLAN E., YILMAZ İ., Ceran N.
25.Ulusal Ergonomi Kongresi, Samsun, Turkey, 18 - 20 October 2019, pp.28

14. **An Extended Contract Net Protocol for Distributed Decision Mechanism in Collaborative Networks**
YILMAZ İ., YOON S. W.
The 6th Annual World Conference of the Society for Industrial and Systems Engineering, Herndon, United States Of America, 19 October 2017

15. **A Dynamic Negotiation Mechanism for Collaboration Price in Collaborative Network through Price Elasticity**
YILMAZ İ., YOON S. W.
Proceedings of the 2017 Industrial and Systems Engineering Conference, Pittsburg, United States Of America, 22 March 2017, vol.1, pp.1631-1636

16. **Collaborative Perishable Inventory Management Using Demand and Capacity Sharing Coordination Protocols**
Dauod H., YILMAZ İ., YOON S. W.
Proceedings of the 2017 Industrial and Systems Engineering Conference, Pittsburg, United States Of America, 24 May 2017, pp.494-499

Academic and Administrative Experience

2020 - Continues	**Erasmus Program Institutional Coordinator**	Ankara Yildirim Beyazit University, Fen Bilimleri Enstitüsü, -
2019 - Continues	**Deputy Head of Department**	Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği
2021 - 2022	**Rektörlük Kalite Komisyonu Başkanı**	Ankara Yildirim Beyazit University, Rektörlük Merkezi, -
2020 - 2022	**Rektörlük Kalite Komisyonu Üyesi**	Ankara Yildirim Beyazit University
2019 - 2022	**Quality Coordinator**	Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi
2019 - 2022	**Staj Başkanı**	Ankara Yildirim Beyazit University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği

Courses

Operations Research III, Undergraduate, 2022 - 2023
Optimization Tools and Techniques, Undergraduate, 2022 - 2023

Scientific Refereeing

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, February 2022
EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, July 2020
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, SCI Journal, March 2020
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, SCI Journal, March 2019

Metrics

Publication: 32
Citation (Scopus): 37
H-Index (Scopus): 3

Research Areas

Industrial Engineering , Stochastic Modeling, Optimization Theory and Methods, Inventory Systems, Decision Theory, Multi Criteria Decision Making, Network Design, Engineering and Technology