Dr. Öğr. Üyesi Esra İLBAHAR

Kişisel Bilgiler

E-posta: eilbahar@yildiz.edu.tr
Web: https://avesis.yildiz.edu.tr/eilbahar

Uluslararası Araştırmacı ID'leri
ORCID: 0000-0002-4917-0022
Publons / Web Of Science ResearcherID: ABA-1833-2020
Yoksis Araştırmacı ID: 227874

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Türkiye 2017 - 2022
Yüksek Lisans, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Türkiye 2014 - 2017
Lisans, Bilkent Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, Türkiye 2009 - 2014

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Design of attribute control charts under uncertainty with normality analyses: Impact of operator hesitancy during inspection processes in manufacturing industry with a real case application**
KAYA İ., İLBAHAR E., Gündoğdu F. K., KARAŞAN A., YAZIR K., OLGAÇ E.
Applied Soft Computing, cilt.170, 2025 (SCI-Expanded)

II. **Convenient Site Selection of a Floating PV Power Plant in Türkiye by using GIS-Fuzzy Analytical Hierarchy Process**
Karipoğlu F., KOCA K., İLBAHAR E.
Environmental Science and Pollution Research, cilt.31, sa.15, ss.23193-23210, 2024 (SCI-Expanded)

III. **Assessment of governmental strategies for sustainable environment regarding greenhouse gas emission reduction under uncertainty**
KARAŞAN A., Gündoğdu F. K., Işık G., KAYA İ., İLBAHAR E.
Journal of Environmental Management, cilt.349, 2024 (SCI-Expanded)

IV. **An integrated Pythagorean fuzzy-based methodology for sectoral prioritization of industry 4.0 with lean supply chain perspective**
KAYA İ., KARAŞAN A., İLBAHAR E., Cebeci B.
International Journal of Computer Integrated Manufacturing, cilt.37, sa.12, ss.1582-1611, 2024 (SCI-Expanded)

V. **A design methodology based on two dimensional fuzzy linguistic variables for attribute control charts with real case applications**
KAYA İ., İLBAHAR E., KARAŞAN A.
Engineering Applications of Artificial Intelligence, cilt.126, 2023 (SCI-Expanded)

VI. **Evaluation of sustainable energy planning scenarios with a new approach based on FCM, WASPAS and impact effort matrix**
İLBAHAR E., Kahraman C., ÇEBİ S.
ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, cilt.25, sa.10, ss.11931-11955, 2023 (SCI-Expanded)

VII. **Appraisal of smart factory design for advance manufacturing plants based on transition strategies by using an integrated fuzzy decision-making methodology**
KAYA İ., KARAŞAN A., Güvercin Ö., İLBAHAR E., BARAÇLI H.

International Journal of Computer Integrated Manufacturing, cilt.36, sa.8, ss.1153-1177, 2023 (SCI-Expanded)

VIII. **A combined methodology based on Z-fuzzy numbers for sustainability assessment of hydrogen energy storage systems**
İlbahar E., Çolak M., Karaşan A., Kaya İ.
International Journal of Hydrogen Energy, cilt.47, sa.34, ss.15528-15546, 2022 (SCI-Expanded)

IX. **Customer-oriented product design using an integrated neutrosophic AHP & DEMATEL & QFD methodology**
KARAŞAN A., İLBAHAR E., ÇEBİ S., Kahraman C.
Applied Soft Computing, cilt.118, 2022 (SCI-Expanded)

X. **Risk assessment of R&D projects: a new approach based on IVIF AHP and fuzzy axiomatic design**
İLBAHAR E., ÇEBİ S., Kahraman C.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.42, sa.1, ss.605-614, 2022 (SCI-Expanded)

XI. **Risk assessment of renewable energy investments: A modified failure mode and effect analysis based on prospect theory and intuitionistic fuzzy AHP**
İLBAHAR E., Kahraman C., ÇEBİ S.
ENERGY, cilt.239, 2022 (SCI-Expanded)

XII. **Location selection for waste-to-energy plants by using fuzzy linear programming**
İLBAHAR E., Kahraman C., ÇEBİ S.
ENERGY, cilt.234, 2021 (SCI-Expanded)

XIII. **A Multi-criteria Assessment of Biomass Conversion Technologies with Pythagorean Fuzzy Axiomatic Design Approach**
İLBAHAR E., ÇEBİ S., Kahraman C.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.37, sa.3-4, ss.317-334, 2021 (SCI-Expanded)

XIV. **Prioritization of renewable energy sources using multi-experts Pythagorean fuzzy WASPAS**
İLBAHAR E., ÇEBİ S., Kahraman C.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.39, sa.5, ss.6407-6417, 2020 (SCI-Expanded)

XV. **A novel pythagorean fuzzy AHP and its application to landfill site selection problem**
KARAŞAN A., İLBAHAR E., KAHRAMAN C.
SOFT COMPUTING, cilt.23, sa.21, ss.10953-10968, 2019 (SCI-Expanded)

XVI. **A state-of-the-art review on multi-attribute renewable energy decision making**
İLBAHAR E., ÇEBİ S., Kahraman C.
ENERGY STRATEGY REVIEWS, cilt.25, ss.18-33, 2019 (SCI-Expanded)

XVII. **Selection Among GSM Operators Using Pythagorean Fuzzy WASPAS Method**
Kahraman C., Çevik Onar S., Öztayşi B., İLBAHAR E.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.33, ss.459-469, 2019 (SCI-Expanded)

XVIII. **A new risk assessment approach: Safety and Critical Effect Analysis (SCEA) and its extension with Pythagorean fuzzy sets**
KARAŞAN A., İLBAHAR E., ÇEBİ S., Kahraman C.
SAFETY SCIENCE, cilt.108, ss.173-187, 2018 (SCI-Expanded)

XIX. **A novel approach to risk assessment for occupational health and safety using Pythagorean fuzzy AHP & fuzzy inference system**
İLBAHAR E., KARAŞAN A., ÇEBİ S., Kahraman C.
SAFETY SCIENCE, cilt.103, ss.124-136, 2018 (SCI-Expanded)

XX. **Prioritization of production strategies of a manufacturing plant by using an integrated intuitionistic fuzzy AHP & TOPSIS approach**
KARAŞAN A., Erdogan M., İLBAHAR E.
JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, cilt.31, sa.4, ss.510-528, 2018 (SSCI)

XXI. **Retail store performance measurement using a novel interval-valued Pythagorean fuzzy WASPAS method**
İLBAHAR E., Kahraman C.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.35, sa.3, ss.3835-3846, 2018 (SCI-Expanded)

XXII. **Classification of design parameters for E-commerce websites: A novel fuzzy Kano approach**
İLBAHAR E., ÇEBİ S.
TELEMATICS AND INFORMATICS, cilt.34, sa.8, ss.1814-1825, 2017 (SSCI)

XXIII. **A fuzzy information axiom based method to determine the optimal location for a biomass power plant: A case study in Aegean Region of Turkey**
ÇEBİ S., İLBAHAR E., ATASOY A.
Energy, cilt.116, ss.894-907, 2016 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Analysis of Parameters Affecting The Smart Phone Design By Using Fuzzy Kano Model**
Çebi S., İlbahar E.
Alphanumeric Journal, cilt.6, ss.83-92, 2018 (Hakemli Dergi)

II. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık PapyonModel Önerisi**
Çebi S., İlbahar E.
Journal of Eta Maritime Science, cilt.6, ss.141-157, 2018 (Hakemli Dergi)

III. **Warehouse risk assessment using interval valued intuitionistic fuzzy AHP**
ÇEBİ S., Ilbahar E.
International Journal of the Analytic Hierarchy Process, cilt.10, sa.2, ss.243-253, 2018 (Scopus)

Kitaplar

I. **Bulanık Analitik Hiyerarşi Prosesi: Buckley AHP ve Proje Risk Yönetimine Uygulanması**
İLBAHAR E., ÇEBİ S.
BULANIK ÇOK KRITERLI KARAR VERME YÖNTEMLERI - MS EXCEL VE SOFTWARE ÇÖZÜMLÜ UYGULAMALAR, Mehmet Kabak, Babek Erdebilli, Editör, NOBEL AKADEMİK YAYINCILIK EĞİTİM DANIŞMANLIK, ss.28-47, 2021

II. **Integration of Quality FunctionDeployment with IVIF-AHP and Kano Model for Customer Oriented Product Design**
Özalp M., Kucukbas D., İLBAHAR E., ÇEBİ S.
Customer Oriented Product DesignIntelligent and Fuzzy Techniques, Cengiz Kahraman, Selcuk Cebi, Editör, Springer, ss.93-106, 2020

III. **Classification of Laptop DesignAttributes Using Fuzzy Kano Model**
İLBAHAR E., ÇEBİ S., KAHRAMAN C.
Customer Oriented Product DesignIntelligent and Fuzzy Techniques, Cengiz Kahraman, Selcuk Cebi, Editör, Springer, ss.239-250, 2020

IV. **Website Design Using Pythagorean FuzzyAxiomatic Design**
İLBAHAR E., ÇEBİ S., KAHRAMAN C.
Customer Oriented Product DesignIntelligent and Fuzzy Techniques, Cengiz Kahraman, Selcuk Cebi, Editör, Springer, ss.169-183, 2020

V. **Wind Energy Investment Analyses Based on Fuzzy Sets**
Kahraman C., Çevik Onar S., Öztayşi B., Uçal Sarı İ., İlbahar E.
Energy Management—Collective and Computational Intelligence with Theory and Applications, Kahraman C., Kayakutlu G., Editör, Springer, Cham, ss.141-166, 2018

VI. **Maritime Environmental Disaster Management Using Intelligent Techniques**
AKYÜZ E., İLBAHAR E., ÇEBİ S., ÇELİK M.
Intelligence Systems in Environmental Management Theory and Applications, Kahraman Cengiz, Ucal Sari Irem, Editör, Springer, ss.135-155, 2017

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

I. **Mobil Uygulama Arayüz Tasarım Etkinliğini Ölçen Bir Model Önerisi**
ÇEBİ S., KARAKURT N. F., ŞAHİN G., BÖLÜKBAŞI İ. B., İLBAHAR E.
Yöneylem Araştırması ve Endüstri Mühendisliği (YA/EM) 43. Ulusal Kongresi, Trabzon, Türkiye, 2 - 04 Ekim 2024, ss.131

II. **Measuring the Variation of an Industrial Staple Manufacturing Process under 3-Dimensional Uncertainty Functions**
Gundogdu F. K., İLBAHAR E., Kaya I., KARAŞAN A., YAZIR K., OLGAÇ E.
2024 International Conference on Decision Aid Sciences and Applications, DASA 2024, Manama, Bahreyn, 11 - 12 Aralık 2024

III. **Monitoring Packaging Defects in a Logistic Company for the Determination of Type-II Errors**
Gundogdu F. K., İLBAHAR E., Kaya I., KARAŞAN A., OLGAÇ E., YAZIR K.
2024 International Conference on Decision Aid Sciences and Applications, DASA 2024, Manama, Bahreyn, 11 - 12 Aralık 2024

IV. **Use of Fuzzy Sets in Process Capability Analysis: A Comparative Literature Analysis**
Gündoğdu F. K., İLBAHAR E., YAZIR K., KARAŞAN A., KAYA İ.
International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Türkiye, 16 - 18 Temmuz 2024, cilt.1089 LNNS, ss.260-268

V. **Analysis of Defectives in a Call-Center Process Quality under 2-Dimensional Uncertain Linguistic Data by Attribute Control Charts**
KARAŞAN A., İLBAHAR E., Gundogdu F. K., YAZIR K., OLGAÇ E., Kaya I.
2024 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies, 3ICT 2024, Virtual, Online, 17 - 19 Kasım 2024, ss.470-474

VI. **Use of Linguistic Variables in Control Charts: A Comparative Literature Analysis**
YAZIR K., Gündoğdu F. K., İLBAHAR E., KARAŞAN A., KAYA İ.
International Conference on Intelligent and Fuzzy Systems, INFUS 2024, Çanakkale, Türkiye, 16 - 18 Temmuz 2024, cilt.1089 LNNS, ss.269-276

VII. **Prioritization of the Potential Sectors for CO2 Emission Reduction based on International Policies: A Case of Turkey**
Gundogdu F. K., İLBAHAR E., KARAŞAN A., KAYA İ., ÖZKAYA B.
International Conference on Decision Aid Sciences and Applications (DASA), Chiang-Rai, Tayland, 23 - 25 Mart 2022, ss.1544-1548

VIII. **Risk Assessment of WtE Plants by Using a Modified Fuzzy SCEA Approach**
İLBAHAR E., ÇEBİ S., Kahraman C.
4th International Conference on Intelligent and Fuzzy Systems (INFUS), Bornova, Türkiye, 19 - 21 Temmuz 2022, cilt.505, ss.225-232

IX. **Social Acceptability Assessment of Renewable Energy Policies: An Integrated Approach Based on IVPF BOCR and IVIF AHP**
İLBAHAR E., ÇEBİ S., Kahraman C.
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Türkiye, 24 - 26 Ağustos 2021, cilt.308, ss.93-100

X. **Social Acceptability Assessment of Renewable Energy Policies: An Integrated Approach Based on Fuzzy BOCR**
İLBAHAR E., ÇEBİ S., KAHRAMAN C.
International Conference on Intelligent and Fuzzy Systems (INFUS2021), İstanbul, Türkiye, 24 Ağustos 2021, ss.93-100

XI. **Sectoral Prioritization of Industry 4.0 under Lean Supply Chain with an Integrated Fuzzy Decision-Making Approach: The Case of Turkey**
KARAŞAN A., İLBAHAR E., KAYA İ., Cebeci B.
6th International Forum on Research and Technology for Society and Industry, RTSI 2021, Virtual, Online, İtalya, 6

- 09 Eylül 2021, ss.441-445

XII. **A New Approach to Analyze Perceived Design Quality of Mobile Phone Using Fuzzy Hierarchical Conjoint Analysis**
Erdem Y., ÇEBİ S., İLBAHAR E.
International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Türkiye, 21 - 23 Temmuz 2020, cilt.1197 AISC, ss.769-778

XIII. **Risk Assessment of R&D Activities Using Intuitionistic Fuzzy AHP and FIS**
İLBAHAR E., ÇEBİ S., Kahraman C.
International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Türkiye, 21 - 23 Temmuz 2020, cilt.1197 AISC, ss.1327-1335

XIV. **Prioritization of Smart Factory Transition Strategies for Manufacturing Plants with an Integrated Fuzzy Decision-Making Approach: The Case of Turkey**
İLBAHAR E., KARAŞAN A., KAYA İ.
6th International Forum on Research and Technology for Society and Industry, RTSI 2021, Virtual, Online, İtalya, 6 - 09 Eylül 2021, ss.435-440

XV. **An Intuitionistic Fuzzy Axiomatic Design Approach for the Evaluation of Solid Waste Disposal Methods**
Çebi S., İlbahar E., Kahraman C.
INFUS: International Conference on Intelligent and Fuzzy Systems, İstanbul, Türkiye, 23 - 25 Temmuz 2019, ss.537-545

XVI. **Assessment of Renewable Energy Alternatives with Pythagorean Fuzzy WASPAS Method: A Case Study of Turkey**
İlbahar E., Çebi S., Kahraman C.
INFUS: International Conference on Intelligent and Fuzzy Systems, İstanbul, Türkiye, 23 - 25 Temmuz 2019, ss.888-895

XVII. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık Papyon Model Önerisi**
ÇEBİ S., İLBAHAR E.
37. Yöneylem Araştırması ve Endüstri Mühendisliği, Ulusal kongresi, İstanbul, Türkiye, 5 - 07 Temmuz 2017

XVIII. **Using Fuzzy AHP and Conjoint Analysis to Identify Importance Degrees of Parameters on Academic Performance**
İLBAHAR E., ÇEBİ S., GÜLER M. G.
The 4th International Fuzzy Systems Symposium, 5 - 06 Kasım 2015

XIX. **Ege Bölgesi nde Kurulması Planlanan Biyokütle Enerji Tesisi için Tesis Yeri Seçimi**
ÇEBİ S., ATASOY A., İLBAHAR E.
YAEM 2015, Türkiye, 9 - 11 Eylül 2015

Metrikler

Yayın: 54
Atıf (WoS): 634
Atıf (Scopus): 1287
H-İndeks (WoS): 9
H-İndeks (Scopus): 12