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### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2017 - 2022

Postgraduate, Bogazici University, Institute Of Science, Endüstri Mühendisliği, Turkey 2014 - 2017

Undergraduate, Bilkent Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2009 - 2014

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Convenient Site Selection of a Floating PV Power Plant in Türkiye by using GIS-Fuzzy Analytical Hierarchy Process**  
Karipoğlu F., KOCA K., İLBAHAR E.  
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- II. **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.  
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- III. **An integrated Pythagorean fuzzy-based methodology for sectoral prioritization of industry 4.0 with lean supply chain perspective**  
KAYA İ., KARAŞAN A., İLBAHAR E., CEBECİ B.  
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- IV. **A design methodology based on two dimensional fuzzy linguistic variables for attribute control charts with real case applications**  
KAYA İ., İLBAHAR E., KARAŞAN A.  
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- V. **Evaluation of sustainable energy planning scenarios with a new approach based on FCM, WASPAS and impact effort matrix**  
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ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY, vol.25, no.10, pp.11931-11955, 2023 (SCI-Expanded)
- VI. **Appraisal of smart factory design for advance manufacturing plants based on transition strategies by using an integrated fuzzy decision-making methodology**  
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- VII. **A combined methodology based on Z-fuzzy numbers for sustainability assessment of hydrogen energy storage systems**  
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International Journal of Hydrogen Energy, vol.47, no.34, pp.15528-15546, 2022 (SCI-Expanded)

- VIII. **Customer-oriented product design using an integrated neutrosophic AHP & DEMATEL & QFD methodology**  
KARAŞAN A., İLBAHAR E., ÇEBİ S., Kahraman C.  
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- IX. **Risk assessment of renewable energy investments: A modified failure mode and effect analysis based on prospect theory and intuitionistic fuzzy AHP**  
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- X. **Risk assessment of R&D projects: a new approach based on IVIF AHP and fuzzy axiomatic design**  
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JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.42, no.1, pp.605-614, 2022 (SCI-Expanded)
- XI. **Location selection for waste-to-energy plants by using fuzzy linear programming**  
İLBAHAR E., Kahraman C., ÇEBİ S.  
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- XII. **A Multi-criteria Assessment of Biomass Conversion Technologies with Pythagorean Fuzzy Axiomatic Design Approach**  
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- XIII. **Prioritization of renewable energy sources using multi-experts Pythagorean fuzzy WASPAS**  
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- XIV. **A novel pythagorean fuzzy AHP and its application to landfill site selection problem**  
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- XV. **A state-of-the-art review on multi-attribute renewable energy decision making**  
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- XVI. **Selection Among GSM Operators Using Pythagorean Fuzzy WASPAS Method**  
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- XVII. **A new risk assessment approach: Safety and Critical Effect Analysis (SCEA) and its extension with Pythagorean fuzzy sets**  
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- XVIII. **A novel approach to risk assessment for occupational health and safety using Pythagorean fuzzy AHP & fuzzy inference system**  
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- XIX. **Retail store performance measurement using a novel interval-valued Pythagorean fuzzy WASPAS method**  
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- XX. **Prioritization of production strategies of a manufacturing plant by using an integrated intuitionistic fuzzy AHP & TOPSIS approach**  
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- XXI. **Classification of design parameters for E-commerce websites: A novel fuzzy Kano approach**  
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TELEMATICS AND INFORMATICS, vol.34, no.8, pp.1814-1825, 2017 (SSCI)
- XXII. **A fuzzy information axiom based method to determine the optimal location for a biomass power**

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- I. **Analysis of Parameters Affecting The Smart Phone Design By Using Fuzzy Kano Model**  
Çebi S., İlbahar E.  
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- II. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık PapyonModel Önerisi**  
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- III. **Warehouse risk assessment using interval valued intuitionistic fuzzy AHP**  
ÇEBİ S., İlbahar E.  
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## Books & Book Chapters

- I. **Bulanık Analitik Hiyerarşi Prosesi: Buckley AHP ve Proje Risk Yönetimine Uygulanması**  
İLBAHAR E., ÇEBİ S.  
in: BULANIK ÇOK KRİTERLİ KARAR VERME YÖNTEMLERİ - MS EXCEL VE SOFTWARE ÇÖZÜMLÜ UYGULAMALAR,  
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- II. **Integration of Quality FunctionDeployment with IVIF-AHP and Kano Model for Customer Oriented Product Design**  
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- IV. **Website Design Using Pythagorean FuzzyAxiomatic Design**  
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- VI. **Maritime Environmental Disaster Management Using Intelligent Techniques**  
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## Refereed Congress / Symposium Publications in Proceedings

- 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, Turkey, 2 - 04 October 2024, pp.131

- II. **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, Turkey, 16 - 18 July 2024, vol.1089 LNNS, pp.269-276
- III. **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, Turkey, 16 - 18 July 2024, vol.1089 LNNS, pp.260-268
- IV. **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, Thailand, 23 - 25 March 2022, pp.1544-1548
- V. **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, Turkey, 24 - 26 August 2021, vol.308, pp.93-100
- VI. **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, Turkey, 19 - 21 July 2022, vol.505, pp.225-232
- VII. **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, Turkey, 24 August 2021, pp.93-100
- VIII. **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, Italy, 6 - 09 September 2021, pp.441-445
- IX. **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.  
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- X. **Risk Assessment of R&D Activities Using Intuitionistic Fuzzy AHP and FIS**  
İLBAHAR E., ÇEBİ S., Kahraman C.  
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- XI. **A New Approach to Analyze Perceived Design Quality of Mobile Phone Using Fuzzy Hierarchical Conjoint Analysis**  
Erdem Y., ÇEBİ S., İLBAHAR E.  
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- XII. **An Intuitionistic Fuzzy Axiomatic Design Approach for the Evaluation of Solid Waste Disposal Methods**  
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- INFUS: International Conference on Intelligent and Fuzzy Systems, İstanbul, Turkey, 23 - 25 July 2019, pp.537-545
- XIII. **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, Turkey, 23 - 25 July 2019, pp.888-895
- XIV. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık Papyon Model Önerisi**  
ÇEBİ S., İLBAHAR E.  
37. Yöneylem Araştırması ve Endüstri Mühendisliği, Ulusal kongresi, İstanbul, Turkey, 5 - 07 July 2017
- XV. **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 November 2015
- XVI. **Ege Bölgesi nde Kurulması Planlanan Biyokütle Enerji Tesisi için Tesis Yeri Seçimi**  
ÇEBİ S., ATASOY A., İLBAHAR E.  
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## **Metrics**

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