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Learning Knowledge

Doctorate
2005 - 2010

Istanbul Technical University, Fen Bilimleri, Endüstri Mühendisliği, Turkey

Postgraduate
2001 - 2004

Karadeniz Technical University, Fen Bilimleri, Makina Mühendisliği, Turkey

Undergraduate
1996 - 2000

Karadeniz Technical University, Mühendislik Mimarlık Fakültesi, Makina
Mühendisliği, Turkey

Dissertations

Doctorate, Aksiyomlarla Tasarım Esaslı Bulanık Karar Destek Sistemi Geliştirme ve Bir Uygulama, İstanbul Teknik Üniversitesi, Fen Bilimleri, Endüstri Mühendisliği, 2010

Postgraduate, Kalite Kontrol Ölçütlerinin Seçimi için Bir Uzman Sistem Geliştirme, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Makina Mühendisliği, 2004

Academic Titles / Tasks

Professor 2019 - Continues	Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering
Associate Professor 2015 - 2019	Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering
Associate Professor 2013 - 2015	Karadeniz Technical University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü
Assistant Professor 2010 - 2013	Karadeniz Technical University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü
Research Assistant 2005 - 2010	Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü

Published journal articles indexed by SCI, SSCI, and AHCI

- A novel approach for multi-criteria decision making: Extending the WASPAS method using decomposed fuzzy sets**
Arslan Ö., ÇEBİ S.
Computers and Industrial Engineering, vol.196, 2024 (SCI-Expanded)
- Risk Assessment of Employing Digital Robots in Process Automation**
Dogan O., Arslan O., Cengiz Tirpan E., ÇEBİ S.
Systems, vol.12, no.10, 2024 (SSCI)
- Development of a decision support system for client acceptance in independent audit process**
ÇEBİ S., Karakurt N. F., Kurtulus E., Tokgoz B.
International Journal of Accounting Information Systems, vol.53, 2024 (SSCI)
- Prioritizing EU Projects by Using Decomposed Fuzzy AHP and TOPSIS**
Çevik Onar S., ÇEBİ S., Öztayşi B., Kahraman C.
Journal of Multiple-Valued Logic and Soft Computing, vol.43, no.4-6, pp.425-452, 2024 (SCI-Expanded)
- Optimizing Wind Energy Technology Selection Under Uncertain and Incomplete Information Using Fuzzy Best Worst Method and Fuzzy Information Axiom**
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- Proportional Pythagorean Fuzzy AHP & TOPSIS Methodology for the Evaluation of Industry 5.0 Projects**
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- 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, vol.25, no.10, pp.11931-11955, 2023 (SCI-Expanded)
- Risk Analysis in the Food Cold Chain Using Decomposed Fuzzy Set-Based FMEA Approach**
Arslan Ö., Karakurt N., Cem E., ÇEBİ S.

Sustainability (Switzerland), vol.15, no.17, 2023 (SCI-Expanded)

9. **Intuitionistic Fuzzy Sets with Ordered Pairs and Their Usage in Multi-Attribute Decision Making: A Novel Intuitionistic Fuzzy TOPSIS Method with Ordered Pairs**
Kahraman C., ÇEBİ S., Öztayşi B., Çevik Onar S.
Mathematics, vol.11, no.18, 2023 (SCI-Expanded)
10. **Consideration of reciprocal judgments through Decomposed Fuzzy Analytical Hierarchy Process: A case study in the pharmaceutical industry**
ÇEBİ S., Gündoğdu F. K., Kahraman C.
Applied Soft Computing, vol.134, 2023 (SCI-Expanded)
11. **Customer-oriented product design using an integrated neutrosophic AHP & DEMATEL & QFD methodology**
KARAŞAN A., İLBAHAR E., ÇEBİ S., Kahraman C.
Applied Soft Computing, vol.118, 2022 (SCI-Expanded)
12. **A novel approach to assess occupational risks and prevention of hazards: the house of safety & prevention**
ÇINAR U., ÇEBİ S.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.42, no.1, pp.517-528, 2022 (SCI-Expanded)
13. **Operational risk analysis in business processes using decomposed fuzzy sets**
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14. **Risk assessment of R&D projects: a new approach based on IVIF AHP and fuzzy axiomatic design**
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15. **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.
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16. **A new model for the occupational health and safety risk assessment process: Neutrosophic FMEA**
Karamustafa M., Ceb S.
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17. **Location selection for waste-to-energy plants by using fuzzy linear programming**
İLBAHAR E., Kahraman C., ÇEBİ S.
ENERGY, vol.234, 2021 (SCI-Expanded)
18. **Extension of safety and critical effect analysis to neutrosophic sets for the evaluation of occupational risks**
Karamustafa M., ÇEBİ S.
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19. **A Multi-criteria Assessment of Biomass Conversion Technologies with Pythagorean Fuzzy Axiomatic Design Approach**
İLBAHAR E., ÇEBİ S., Kahraman C.
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20. **A hybrid risk assessment method for mining sector based on QFD, fuzzy inference system, and AHP**
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21. **Prioritization of renewable energy sources using multi-experts Pythagorean fuzzy WASPAS**
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22. **A novel approach for classification of occupational health and safety measures based on their effectiveness by using fuzzy Kano model**
Uzun I. M., ÇEBİ S.

- JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.38, no.1, pp.589-600, 2020 (SCI-Expanded)
23. **A state-of-the-art review on multi-attribute renewable energy decision making**
İLBAHAR E., ÇEBİ S., Kahraman C.
ENERGY STRATEGY REVIEWS, vol.25, pp.18-33, 2019 (SCI-Expanded)
24. **A new weighted fuzzy information axiom method in production research**
ÇEBİ S., Kahraman C.
JOURNAL OF ENTERPRISE INFORMATION MANAGEMENT, vol.32, no.1, pp.170-190, 2019 (SSCI)
25. **Determining and Prioritizing Main Factors of Supplier Reliability in Construction Industry**
Kayhan B. M., Çebi S., Kahraman C.
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26. **A new risk assessment approach: Safety and Critical Effect Analysis (SCEA) and its extension with Pythagorean fuzzy sets**
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27. **A novel approach to risk assessment for occupational health and safety using Pythagorean fuzzy AHP & fuzzy inference system**
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30. **Classification of design parameters for E-commerce websites: A novel fuzzy Kano approach**
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32. **Developing web based decision support system for evaluation occupational risks at shipyards**
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34. **A phase of comprehensive research to determine marine-specific EPC values in human error assessment and reduction technique**
Akyuz E., Çelik M., ÇEBİ S.
Safety Science, vol.87, pp.63-75, 2016 (SCI-Expanded)
35. **A Fuzzy Multiphase and Multicriteria Decision-Making Method for Cutting Technologies Used in Shipyards**
ÇEBİ S., ÖZKÖK M., Kafalı M., Kahraman C.
International Journal of Fuzzy Systems, vol.18, no.2, pp.198-211, 2016 (SCI-Expanded)
36. **AN EFFECTIVE RISK-PREVENTIVE MODEL PROPOSAL FOR OCCUPATIONAL ACCIDENTS AT SHIPYARDS**
Acuner O., Çebi S.
BRODOGRADNJA, vol.67, pp.67-84, 2016 (SCI-Expanded)

37. **A new evaluation model for service quality of health care systems based on AHP and information axiom**
Aktas A., Cebi S., Temiz I.
Journal of Intelligent and Fuzzy Systems, vol.28, no.3, pp.1009-1021, 2015 (SCI-Expanded)
38. **EVALUATION OF PIPE CUTTING TECHNOLOGIES IN SHIPBUILDING**
KAFALI M., ÖZKÖK M., ÇEBİ S.
BRODOGRADNJA, vol.65, no.2, pp.33-48, 2014 (SCI-Expanded)
39. **A fuzzy based assessment method for comparison of ship launching methods**
ÖZKÖK M., Cebi S.
Journal of Intelligent and Fuzzy Systems, vol.26, no.2, pp.781-791, 2014 (SCI-Expanded)
40. **Design evaluation model for display designs of automobiles**
Cebi S., Kahraman C.
Journal of Intelligent and Fuzzy Systems, vol.26, no.2, pp.961-973, 2014 (SCI-Expanded)
41. **Evaluation of design parameters for vessel engine room by using a modified QFD technique**
Cebi S., ÖZKÖK M., DEMİRCİ E.
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42. **Using multi attribute choquet integral in site selection of wind energy plants: The case of turkey**
Cebi S., Kahraman C.
Journal of Multiple-Valued Logic and Soft Computing, vol.20, pp.423-443, 2013 (SCI-Expanded)
43. **Developing a Smart Clothing System for Blinds Based on Information Axiom**
Bahadir S. K., Cebi S., Kahraman C., Kalaoğlu F.
International Journal of Computational Intelligence Systems, vol.6, no.2, pp.279-292, 2013 (SCI-Expanded)
44. **A quality evaluation model for the design quality of online shopping websites**
Cebi S.
Electronic Commerce Research and Applications, vol.12, no.2, pp.124-135, 2013 (SCI-Expanded)
45. **Fuzzy multi-criteria and multi-experts evaluation of government investments in higher education: the case of Turkey**
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Technological and Economic Development of Economy, vol.19, no.4, pp.549-569, 2013 (SSCI)
46. **Group Decision Making for Advanced Manufacturing Technology Selection Using the Choquet Integral**
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47. **Determining importance degrees of website design parameters based on interactions and types of websites**
Cebi S.
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48. **An axiomatic decision aid for marine equipment selection in ship machinery design and installation projects**
Cebi S., Çelik M., Kahraman C.
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49. **A fuzzy risk assessment model for hospital information system implementation**
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50. **Developing a fuzzy based decision making model for risk analysis in construction project**
Cebi S.
Journal of Multiple-Valued Logic and Soft Computing, vol.17, no.4, pp.387-405, 2011 (SCI-Expanded)
51. **Renewable Energy System Selection Based On Computing With Words**
Kahraman C., KAYA İ., Cebi S.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.3, no.4, pp.461-473, 2010 (SCI-

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52. **Renewable Energy System Selection Based On Computing With Words**
Kahraman C., Kaya İ., ÇEBİ S.
International Journal of Computational Intelligence Systems, vol.3, no.4, pp.461-473, 2010 (SCI-Expanded)
53. **Fuzzy multicriteria group decision making for real estate investments**
Cebi S., Kahraman C.
Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering, vol.224, no.4, pp.457-470, 2010 (SCI-Expanded)
54. **Determining design characteristics of automobile seats based on fuzzy axiomatic design principles**
ÇEBİ S., Kahraman C.
International Journal of Computational Intelligence Systems, vol.3, no.1, pp.43-55, 2010 (SCI-Expanded)
55. **Extension of axiomatic design principles under fuzzy environment**
Cebi S., Kahraman C.
Expert Systems with Applications, vol.37, pp.2682-2689, 2010 (SCI-Expanded)
56. **Structuring ship design project approval mechanism towards installation of operator-system interfaces via fuzzy axiomatic design principles**
Cebi S., Çelik M., Kahraman C.
Information Sciences, vol.180, no.6, pp.886-895, 2010 (SCI-Expanded)
57. **Developing a group decision support system based on fuzzy information axiom**
Cebi S., Kahraman C.
Knowledge-Based Systems, vol.23, pp.3-16, 2010 (SCI-Expanded)
58. **Selection among Renewable Energy Alternatives Using Fuzzy Axiomatic Design: The Case of Turkey**
Kahraman C., Çebi S., KAYA İ.
JOURNAL OF UNIVERSAL COMPUTER SCIENCE, vol.16, no.1, pp.82-102, 2010 (SCI-Expanded)
59. **Applications of axiomatic design principles: A literature review**
Kulak O., Cebi S., Kahraman C.
Expert Systems with Applications, vol.37, pp.6705-6717, 2010 (SCI-Expanded)
60. **Indicator design for passenger car using fuzzy axiomatic design principles**
Cebi S., Kahraman C.
Expert Systems with Applications, vol.37, pp.6470-6481, 2010 (SCI-Expanded)
61. **Determining design characteristics of automobile seats based on fuzzy axiomatic design principles**
Cebi S., Kahraman C.
International Journal of Computational Intelligence Systems, vol.3, pp.43-55, 2010 (SCI-Expanded)
62. **Fuzzy VIKOR and fuzzy axiomatic design versus to fuzzy TOPSIS: An application of candidate assessment**
Çevikcan E., ÇEBİ S., KAYA İ.
Journal of Multiple-Valued Logic and Soft Computing, vol.15, no.2-3, pp.181-208, 2009 (SCI-Expanded)
63. **A new multi-attribute decision making method: Hierarchical fuzzy axiomatic design**
Kahraman C., Çebi S.
Expert Systems with Applications, vol.36, pp.4848-4861, 2009 (SCI-Expanded)
64. **Application of axiomatic design and TOPSIS methodologies under fuzzy environment for proposing competitive strategies on Turkish container ports in maritime transportation network**
Çelik M., Cebi S., Kahraman C., Er I.
Expert Systems with Applications, vol.36, pp.4541-4557, 2009 (SCI-Expanded)
65. **Fuzzy axiomatic design-based performance evaluation model for docking facilities in shipbuilding industry: The case of Turkish shipyards**
Çelik M., Kahraman C., Cebi S., Er I. D.
Expert Systems with Applications, vol.36, no.1, pp.599-615, 2009 (SCI-Expanded)
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68. **Analytical HFACS for investigating human errors in shipping accidents**
Çelik M., Cebi S.
Accident Analysis and Prevention, vol.41, no.1, pp.66-75, 2009 (SSCI)
69. **An integrated fuzzy QFD model proposal on routing of shipping investment decisions in crude oil tanker market**
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Articles Published in Other Journals

1. **Ranking of factors affecting pricing in construction projects by intuitionistic fuzzy analytic hierarchy process with ordered pairs**
ÇEBİ S., Kahraman C., Onar S. Ç., Öztayşi B.
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2. **Preface**
Kahraman C., Onar S. C., ÇEBİ S., Öztayşi B., TOLGA A. Ç., Sari I. U.
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3. **Preface**
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4. **Performance measurement using intuitionistic fuzzy sets: A case study from debt collection centers**
Öztayşi B., ÇEBİ S., Kahraman C., Onar S. Ç.
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6. **Preface**
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7. **Preface**
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9. **Preface**
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11. **Recent Developments on Fuzzy AHP and ANP Under Vague and Imprecise Data: Evidence from INFUS Conferences**
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16. **MAKİNE TABANLI DİNAMİK RİSK ANALİZİ İÇİN BİR KARAR DESTEK SİSTEMİ GE-LİŞTİRME**
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17. **KAPASİTE KISITLI ARAÇ ROTALAMA PROBLEMİ İÇİN SEZGİSEL YÖNTEMLER: E-TİCARET TEDARİKÇİLERİNE YÖNELİK BİR UYGULAMA**
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27. **Ürün Tasarımıyla İlgili Kalite Kontrol Ölçütlerinin Seçiminde Uzman Sistem Yaklaşımı**
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Books & Book Chapters

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49. **A Process Capability Index With Asymmetric Tolerances Under Fuzzy Environment**
KAYA İ., ÇEBİ S.
The 4th International Conference On Intelligent Systems & Knowledge Engineering, 01 November 2010
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2009 International Conference on Computers and Industrial Engineering, CIE 2009, Troyes, France, 6 - 09 July 2009, pp.459-463
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61. **Multi Attribute Group Decision Making On Real Estate Investment Under Fuzzy Environment**
 ÇEBİ S.
 Information Sciences, SALT LAKE CITY, United States Of America, 18 - 24 July 2007

Academic and Administrative Experience

2017 - 2020	Enstitü Yönetim Kurulu Üyesi	Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering
2017 - 2020	Assistant Director of the Institute	Yildiz Technical University, Graduate School Of Natural And Applied Sciences

2016 - 2017	Deputy Head of Department	Yıldız Teknik Üniversitesi, Endüstri Mühendisliği
2016 - 2017	Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi	Yıldız Technical University, Faculty of Mechanical Engineering, Department of Industry Engineering
2014 - 2015	Head of Department	Karadeniz Teknik Üniversitesi, Endüstri Mühendisliği
2013 - 2015	Deputy Head of Department	Karadeniz Teknik Üniversitesi, Endüstri Mühendisliği

Courses

Fuzzy Set Theory, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Artificial Intelligence and Expert Systems, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Risk Analizi ve Yönetimi, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Üretimde Müşteri Odaklı Ürün Tasarımı, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
İstatistiksel Karar Verme, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Bilgisayarla Bütünleşik İmalat, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

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Çebi S., Makine öğrenmesi algoritmaları ile mali tablolarında hile analizi, Postgraduate, N.AKTAŞ(Student), 2022
Çebi S., Mesleki risklerin analizi için nütrosifik küme tabanlı karardestek sistemi önerisi, Doctorate, M.KARAMUSTAFA(Student), 2022
Kahraman C., Çebi S., Renewable energy investment decisions under fuzzy uncertainty, Doctorate, E.İLBAHAR(Student), 2022
Çebi S., Mesleki risklerin büyüklüğünü faaliyetler arası bağımlılıkları dikkate alarak belirleyen karma bir yöntem önerisi: mMadencilik sektöründe bir uygulama, Doctorate, U.ÇINAR(Student), 2021
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