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Publons / Web Of Science

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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)
- 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)
- Proportional Pythagorean Fuzzy AHP & TOPSIS Methodology for the Evaluation of Industry 5.0 Projects**
ÇEBİ S., Uçal Sarı İ., Kahraman C., Öztayşi B., Çevik Onar S., Tolga C.
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- 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)
- 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)
- 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)
9. **Customer-oriented product design using an integrated neutrosophic AHP & DEMATEL & QFD methodology**
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Applied Soft Computing, vol.118, 2022 (SCI-Expanded)
10. **A new model for the occupational health and safety risk assessment process: Neutrosophic FMEA**
Karamustafa M., Ceb S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.1, pp.29-43, 2022 (SCI-Expanded)
11. **Operational risk analysis in business processes using decomposed fuzzy sets**
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12. **A novel approach to assess occupational risks and prevention of hazards: the house of safety & prevention**
ÇINAR U., ÇEBİ S.
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13. **Risk assessment of R&D projects: a new approach based on IVIF AHP and fuzzy axiomatic design**
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14. **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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15. **Location selection for waste-to-energy plants by using fuzzy linear programming**
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16. **Extension of safety and critical effect analysis to neutrosophic sets for the evaluation of occupational risks**
Karamustafa M., ÇEBİ S.
APPLIED SOFT COMPUTING, vol.110, 2021 (SCI-Expanded)
17. **A Multi-criteria Assessment of Biomass Conversion Technologies with Pythagorean Fuzzy Axiomatic Design Approach**
İLBAHAR E., ÇEBİ S., Kahraman C.
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18. **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.
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19. **Prioritization of renewable energy sources using multi-experts Pythagorean fuzzy WASPAS**
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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. **A state-of-the-art review on multi-attribute renewable energy decision making**
İLBAHAR E., ÇEBİ S., Kahraman C.
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22. **A new weighted fuzzy information axiom method in production research**
ÇEBİ S., Kahraman C.
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23. **Determining and Prioritizing Main Factors of Supplier Reliability in Construction Industry**
Kayhan B. M., Çebi S., Kahraman C.
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24. **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.
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25. **A novel approach to risk assessment for occupational health and safety using Pythagorean fuzzy AHP & fuzzy inference system**
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26. **Technology Roadmap for Industry 4.0**
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28. **Classification of design parameters for E-commerce websites: A novel fuzzy Kano approach**
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32. **A phase of comprehensive research to determine marine-specific EPC values in human error assessment and reduction technique**
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ÇEBİ S., ÖZKÖK M., Kafalı M., Kahraman C.
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Acuner O., Çebi S.
BRODOGRADNJA, vol.67, pp.67-84, 2016 (SCI-Expanded)
35. **A new evaluation model for service quality of health care systems based on AHP and information axiom**
Aktas A., Cebi S., Temiz I.
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36. **EVALUATION OF PIPE CUTTING TECHNOLOGIES IN SHIPBUILDING**
KAFALI M., ÖZKÖK M., ÇEBİ S.
BRODOGRADNJA, vol.65, no.2, pp.33-48, 2014 (SCI-Expanded)

37. **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)
38. **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)
39. **Evaluation of design parameters for vessel engine room by using a modified QFD technique**
Cebi S., ÖZKÖK M., DEMİRCİ E.
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40. **Using multi attribute choquet integral in site selection of wind energy plants: The case of turkey**
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Journal of Multiple-Valued Logic and Soft Computing, vol.20, pp.423-443, 2013 (SCI-Expanded)
41. **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)
42. **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)
43. **Group Decision Making for Advanced Manufacturing Technology Selection Using the Choquet Integral**
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44. **Determining importance degrees of website design parameters based on interactions and types of websites**
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45. **Fuzzy multi-criteria and multi-experts evaluation of government investments in higher education: the case of Turkey**
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46. **An axiomatic decision aid for marine equipment selection in ship machinery design and installation projects**
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47. **A fuzzy risk assessment model for hospital information system implementation**
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48. **Developing a fuzzy based decision making model for risk analysis in construction project**
Cebi S.
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49. **Fuzzy multicriteria group decision making for real estate investments**
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50. **Extension of axiomatic design principles under fuzzy environment**
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Expert Systems with Applications, vol.37, pp.2682-2689, 2010 (SCI-Expanded)
51. **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)
52. **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)
 53. **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)
 54. **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)
 55. **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)
 56. **An integrated fuzzy QFD model proposal on routing of shipping investment decisions in crude oil tanker market**
Çelik M., Cebi S., Kahraman C., Er I. D.
Expert Systems with Applications, vol.36, pp.6227-6235, 2009 (SCI-Expanded)
 57. **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)
 58. **A comparative analysis for multiattribute selection among renewable energy alternatives using fuzzy axiomatic design and fuzzy analytic hierarchy process**
Kahraman C., Kaya I., Cebi S.
Energy, vol.34, no.10, pp.1603-1616, 2009 (SCI-Expanded)
 59. **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)
 60. **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)
 61. **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)

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.
Notes on Intuitionistic Fuzzy Sets, vol.30, no.2, pp.131-141, 2024 (Scopus)
2. **Performance measurement using intuitionistic fuzzy sets: A case study from debt collection centers**
Öztayşi B., ÇEBİ S., Kahraman C., Onar S. Ç.
Notes on Intuitionistic Fuzzy Sets, vol.30, no.2, pp.121-130, 2024 (Scopus)
3. **Preface**
Abraham A., Madureira A. M., Kahraman C., Castillo O., Bettencourt N., ÇEBİ S., Forestiero A.
Lecture Notes in Networks and Systems, vol.649 LNNS, 2023 (Scopus)
4. **Preface**
Kahraman C., ÇEBİ S.

Studies in Fuzziness and Soft Computing, vol.428, 2023 (Scopus)

5. **Preface**

Kahraman C., Sari I. U., Öztayşi B., ÇEBİ S., Onar S. C., TOLGA A. Ç.
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6. **Preface**

Kahraman C., Sari I. U., Öztayşi B., ÇEBİ S., Onar S. C., TOLGA A. Ç.
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7. **MAKİNE TABANLI DİNAMİK RİSK ANALİZİ İÇİN BİR KARAR DESTEK SİSTEMİ GE-LİŞTİRME**

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8. **KAPASİTE KISITLI ARAÇ ROTALAMA PROBLEMİ İÇİN SEZGİSEL YÖNTEMLER: E-TİCARET TEDARİKÇİLERİNE YÖNELİK BİR UYGULAMA**

YILDIRIM B., ÇEBİ S.
Uluslararası İktisadi ve İdari İncelemeler Dergisi, pp.185-206, 2020 (Peer-Reviewed Journal)

9. **Analysis of Parameters Affecting The Smart Phone Design By Using Fuzzy Kano Model**

Çebi S., İlbahar E.
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10. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık PapyonModel Önerisi**

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11. **Warehouse risk assessment using interval valued intuitionistic fuzzy AHP**

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12. **Bulanık Çıkarım Tabanlı Bir Model Yardımıyla Tedarikçi Güvenilirliğinin Analizi**

Çebi S., Kayhan B. M.
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13. **Fuzzy location selection techniques**

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14. **Analitik Ağ Süreci Yöntemi Üzerine Bulanık Bilgi Aksiyomu Açılımı**

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15. **Gemi Sistemleri için Entegre Bakım Onarım Yönetimi Gereksiniminin Analizi**

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16. **Ürün Tasarımıyla İlgili Kalite Kontrol Ölçütlerinin Seçiminde Uzman Sistem Yaklaşımı**

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Books & Book Chapters

1. **Intelligent and Fuzzy Approaches in Aviation 4.0 Transportation and Cargo Applications**

CEM E., ÇEBİ S.
in: Intelligent and Fuzzy Techniques in Aviation 4.0 Theory and Applications, Cengiz Kahraman, Serhat Aydın, Editor, Springer, CHAM, pp.385-408, 2022

2. **Assessment of COVID-19 Transmission Risk Through Fuzzy Inference System; an Application for Mining Activities**

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4. **Customer Oriented Product Design: Intelligent and Fuzzy Techniques**
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5. **Design of Noise-Canceling Earmuffswith Quality Function Deployment**
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9. **Website Design Using Pythagorean FuzzyAxiomatic Design**
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 20. **Soft Computing and Computational Intelligent Techniques in the Evaluation of Emerging Energy Technologies**
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8. **Fuzzy Systems in Bio-Inspired Computing: State-of-the-art Literature Review**
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9. **FUZZY EXTENSIONS OF AHP AND ANP: A STATE OF THE ART LITERATURE REVIEW**
ÇEVİK ONAR S., ÖZTAYŞI B., ÇEBİ S., KAHRAMAN C.
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10. **EXTENSIONS OF AHP/ANP AT INTERNATIONAL CONFERENCES: EXAMPLES FROM ISAHP AND INFUS CONFERENCES**
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12. **A NOVEL MODEL FOR PROCESS MATURITY MEASUREMENT BASED ON FUZZY ANALYTIC HIERARCHY PROCESS**
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13. **Pharmaceutical 3PL supplier selection using interval-valued intuitionistic fuzzy TOPSIS**
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14. **Digital transformation project selection using Interval Valued Type-2 Intuitionistic Fuzzy TOPSIS**
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GAMSIZ S., ÇEBİ S.
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20. **An Intuitionistic Fuzzy Axiomatic Design Approach for the Evaluation of Solid Waste Disposal Methods**
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21. **Assessment of Renewable Energy Alternatives with Pythagorean Fuzzy WASPAS Method: A Case Study of Turkey**
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22. **A Hybrid Risk Assessment Method for Mining Sector Based on QFD, Fuzzy Logic and AHP**
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23. **Hierarchy of Control Measures for Common Construction Activities: A Field Study**
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5th International Project and Construction Management Conference (IPCMC 2018), 16 - 18 November 2018
24. **İnşaat Sektörüne Özgü İş Güvenliği Yönetim Sisteminin Aksiyomatik Tasarım İlkeleriyleOluşturulması**
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25. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık Papyon Model Önerisi**
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37. Yöneylem Araştırması ve Endüstri Mühendisliği, Ulusal kongresi, İstanbul, Turkey, 5 - 07 July 2017
26. **Analysis of the supplier reliability with a model based on fuzzy inference system**
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27. **Developing web based decision support system for analysis and prevention of occupational risks**
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8.İş Sağlığı Güvenliği Konferansı, 8 - 11 May 2016
28. **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

29. **Ege Bölgesi nde Kurulması Planlanan Biyokütle Enerji Tesisi için Tesis Yeri Seçimi**
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YAEM 2015, Turkey, 9 - 11 September 2015
30. **Tedarikçi Güvenilirliğini Etkileyen Parametrelerin Önem Derecesinin Sektörlere Göre Değişimi**
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31. **Determining and Prioritizing Main Factors of Supplier Reliability**
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32. **Two Phase Method Proposal for Landfill Site Selection**
YENİ F. B., ACUNER Ö., ÇEBİ S., DEMİRCİ E.
3rd International Fuzzy System Symposium, İstanbul, Turkey, 24 - 25 October 2013
33. **Evaluation of Service Quality of Public Hospitals Using Multiple Criteria Decision Making**
AKTAŞ A., ÇEBİ S., TEMİZ İ.
26th European Conference on Operational Research, ROMA, Italy, 1 - 04 July 2013
34. **A Modified QFD Technique For Product R D**
ÇEBİ S., DEMİRCİ E.
Uncertainty Modeling in Knowledge Engineering and Decision Making, Proceedings of the 10th International FLINS Conference, İstanbul, Turkey, 26 - 29 August 2012
35. **Determining the best design via entropy of design matrix**
ÇEBİ S., KAHRAMAN C.
9th International FLINS Conference, (FLINS 2010), 2 August - 04 October 2010
36. **A Process Capability Index With Asymmetric Tolerances Under Fuzzy Environment**
KAYA İ., çebi S.
The 4th International Conference On Intelligent Systems & Knowledge Engineering, 01 November 2010
37. **Prioritization of the VIQ items within SIRE program for an oil tanker ship**
Cebi S., Çelik M., Çiçek K.
2009 International Conference on Computers and Industrial Engineering, CIE 2009, Troyes, France, 6 - 09 July 2009, pp.449-452
38. **Appraisal of affecting factors on marine engineers' performance using FAHPbased on modified Chang's algorithm**
Çiçek K., Cebi S., Çelik M.
2009 International Conference on Computers and Industrial Engineering, CIE 2009, Troyes, France, 6 - 09 July 2009, pp.464-469
39. **Establishing an international MBA program for shipping executives: ManagingOR/MS foundation towards a unique curriculum design**
Çelik M., Çiçek K., Cebi S.
2009 International Conference on Computers and Industrial Engineering, CIE 2009, Troyes, France, 6 - 09 July 2009, pp.459-463
40. **Axiomatic Decision Model Proposal on Marine Vendor Selection Problem**
ÇEBİ S., ÇELİK M., KAHRAMAN C.
VI. International Logistic and Supply Chain Congress, 6 - 07 October 2008
41. **Multi Attribute Group Decision Making On Real Estate Investment Under Fuzzy Environment**
ÇEBİ S.
Information Sciences, SALLAKE CITY, United States Of America, 18 - 24 July 2007

Academic and Administrative Experience

2017 - 2020	Enstitü Yönetim Kurulu Üyesi	Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Industry Engineering
2017 - 2020	Assistant Director of the Institute	Yıldız 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

Advising Theses

Çebi S., Comparison of Machine Learning Techniques in Real Estate Valuation, Postgraduate, F.ER(Student), 2020
Çebi S., Axiomatic Design of Occupational Health and Safety Management System for Construction Sector and Proposal of A Novel Performance Measurement Model, Doctorate, İ.Mert(Student), 2020
Çebi S., Proposal of a Modified Fuzzy Kano Model for Customer-Oriented Product Design and a Case Study on Design of Mobile Application, Postgraduate, G.DEMİR(Student), 2020
Çebi S., Usability of Mobile Applications and User Experience, Postgraduate, E.ÇATORİ(Student), 2019
Çebi S., Ürün tasarım özelliklerinin optimizasyonu için müşteri beklentilerine dayalı bütünleşik bir yaklaşım önerisi, Postgraduate, M.ERDEM(Student), 2019
Çebi S., Bulanık çıkarım tabanlı bir model yardımıyla tedarikçi güvenilirliğinin analizi, Postgraduate, B.Meltem(Student), 2015
Çebi S., Tersane iş kazalarının önlemesi için bulanık çıkarım tabanlı bir risk değerlendirme modeli önerisi, Postgraduate, Ö.ACUNER(Student), 2014

Activities in Scientific Journals

INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, Editor, 2024 - Continues
Sustainability, Special Issue Editor, 2022 - Continues

Discover Artificial Intelligence, Special Issue Editor, 2022 - Continues

Verimlilik Dergisi, Advisory Committee Member, 2021 - Continues

Sigma Journal of Engineering and Natural Sciences, Committee Member, 2020 - Continues

JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, Editor, 2020 - Continues

Journal of Fuzzy Extension & Applications (JFEA), Committee Member, 2020 - Continues

Recent Patents on Engineering, Committee Member, 2018 - Continues

Haliç Üniversitesi Fen Bilimleri Dergisi, Advisory Committee Member, 2018 - Continues

JOURNAL OF ETA MARITIME SCIENCE (JEMS), Committee Member, 2017 - Continues