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Education Information

- I. Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2014 - 2017
- II. Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2011 - 2013
- III. Undergraduate, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2000 - 2004

Certificates, Courses and Trainings

- I. IT, Büyük veri ve madenciligi, Elektrik Mühendisleri Odası, 2015

Research Areas

Technical Sciences, Industrial Engineering , Optimization Theory and Methods, Multiobjective Optimization

Academic Titles / Tasks

- I. Associate Professor, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2020 - Continues
- II. Assistant Professor, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2018 - 2020
- III. Research Assistant PhD, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2017 - 2018
- IV. Research Assistant, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2013 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Rough Kansei Mining Model for Market-Oriented Product Design**
AKGÜL E., ÖZMEN M., SİNANOĞLU C., Aydoğan E. K.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2020, 2020 (Peer-Reviewed Journal)
- II. **Churn prediction in Turkey's telecommunications sector: A proposed multiobjective–cost-sensitive ant colony optimization**
Özmen M., Aydoğan E., Delice Y., Toksarı M. D.

Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, vol.10, no.1, 2020 (Peer-Reviewed Journal)

- III. **Robust multi-criteria decision making methodology for real life logistics center location problem**
Özmen M., Aydoğan E.
Artificial Intelligence Review, vol.53, pp.725-751, 2020 (Peer-Reviewed Journal)
- IV. **CBR-PSO: cost-based rough particle swarm optimization approach for high-dimensional imbalanced problems**
Aydoğan E. K. , Özmen M., Delice Y.
Neural Computing and Applications, vol.31, pp.6345-6363, 2019 (Peer-Reviewed Journal)
- V. **Logistics competitiveness of OECD countries using an improved TODIM method**
ÖZMEN M.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.44, no.5, 2019 (Peer-Reviewed Journal)
- VI. **THE STOCHASTIC VIKOR METHOD AND ITS USE IN REVERSE LOGISTIC OPTION SELECTION PROBLEM**
Aydoğan E., Özmen M.
RAIRO-OPERATIONS RESEARCH, vol.51, pp.375-389, 2017 (Peer-Reviewed Journal)
- VII. **Optimization of the Murata Vortex Spinning machine parameters by the SMAA-MOORA approach**
AKGÜL E., ÖZMEN M., Aydoğan E. K. , TÜRKSOY H. G.
INDUSTRIA TEXTILA, vol.68, no.5, pp.323-331, 2017 (Peer-Reviewed Journal)
- VIII. **Developing a Decision-Support System for Waste Management in Aluminum Production**
Özmen M., Aydoğan E., Ateş N., Uzal N.
ENVIRONMENTAL MODELING & ASSESSMENT, vol.21, pp.803-817, 2016 (Peer-Reviewed Journal)
- IX. **TWO NEW METHOD FOR MULTI CRITERIA STOCHASTIC DECISION MAKING: SMAA-GRA AND SMAA-DEMATEL-GRA**
KIZILKAYA AYDOĞAN E., ÖZMEN M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.4, pp.627-640, 2015 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Uluslararası Turist Gelişlerinin Kaba Küme Temelli Yaklaşımla Tahmin Edilmesi**
ÖZMEN M.
European Journal of Science and Technology, pp.80-87, 2020 (Peer-Reviewed Journal)
- II. **OECD ÜLKELERİNİN TELEKOMÜNİKASYON SEKTÖRÜ AÇISINDAN SMAA-EDAS YÖNTEMİ İLE DEĞERLENDİRİLMESİ**
ÖZMEN M.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.9, no.1, pp.224-237, 2020 (Peer-Reviewed Journal)
- III. **FEATURE SELECTION APPLICATION FOR DEMAND FORECASTING IN FURNITURE INDUSTRY**
ÖZMEN M., KIZILKAYA AYDOĞAN E., HİMMETOĞLU S., DELİCE Y.
Journal of Turkish Operations Management, pp.74-77, 2018 (Peer-Reviewed Journal)
- IV. **Fuzzy Rough Approach for Telecommunication Sector Churn Prediction Attribute Reduction**
ÖZMEN M., KIZILKAYA AYDOĞAN E.
Journal of Turkish Operations Management, pp.78-82, 2018 (Peer-Reviewed Journal)
- V. **TELEKOMÜNİKASYON SEKTÖRÜNDE PSO İLE MÜŞTERİ SEGMENTASYONU**
ÖZMEN M., DELİCE Y., KIZILKAYA AYDOĞAN E.
Bilişim Teknolojileri Dergisi, 2018 (Peer-Reviewed Journal)
- VI. **Attribute Reduction in Stochastic Information Systems Based on α -Dominance**
KIZILKAYA AYDOĞAN E., ÖZMEN M.
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.10, no.2, pp.211-219, 2017 (Peer-Reviewed Journal)

- VII. **Cost Sensitive Feature Selection in Decision-Theoretic Rough Set Models for Customer Churn Prediction: The Case of Telecommunication Sector Customers**
KIZILKAYA AYDOĞAN E., ÖZMEN M., DELİCE Y.
International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, vol.4, no.4, pp.163-167, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **TELEKOMÜNİKASYON SEKTÖRÜNDE MÜŞTERİ KAYBI TAHMİNİ: BÜYÜK VE GERÇEK VERİ SETİ ÜZERİNDE ÖRNEK UYGULAMA**
Kızılkaya Aydoğın E., Özmen M., Delice Y.
in: YAPAY ZEKÂ VE BÜYÜK VERİ KİTAP SERİSİ 1 Yapay Zekâ ve Büyük Veri: Teknolojiler, Yaklaşımlar ve Uygulamalar, Prof. Dr. Şeref Sağırođlu, Dr. Mustafa Umut Demirezen, Editor, Nobel Yayın Dağıtım, Ankara, pp.157-181, 2020
- II. **TODİM YÖNTEMİ VE TERSİNE LOJİSTİK OPSİYON SEÇİMİ UYGULAMASI**
Kızılkaya Aydoğın E., Özmen M.
in: ÇOK KRİTERLİ KARAR VERME YÖNTEMLERİ MS EXCEL ÇÖZÜMLÜ UYGULAMAR, PROF. DR. MEHMET KABAK ve DOÇ. DR. YETKİN ÇINAR, Editor, Nobel Yayın Dağıtım, Ankara, pp.277-294, 2020
- III. **Baby Cradle Design with Kansei Knowledge Mining Based on Rough Set Theory**
Akgül E., Özmen M., Kızılkaya Aydoğın E., Sinanođlu C.
in: Customer Oriented Product Design, CENGİZ KAHRAMAN, SELÇUK CEBİ, Editor, Springer, London/Berlin , London, pp.469-478, 2020
- IV. **Travel and Tourism Competitiveness of Economies Around the World Using Rough SWARA and TODİM Method**
Kızılkaya Aydoğın E., Özmen M.
in: Strategic Innovative Marketing and Tourism, Androniki Kavoura Efstathios Kefallonitis Prokopios Theodoridis, Editor, Springer, London/Berlin , Berlin, pp.765-774, 2020
- V. **LOJİSTİK REKABET GÜCÜNÜN BWM-MABAC YÖNTEMLERİ İLE DEĞERLENDİRİLMESİ**
Özmen M.
in: GELECEĞİN DÜNYASINDA BİLİMSEL VE MESLEKİ ÇALIŞMALAR, PROF. DR. UĞUR ÇAVDAR, DR. ÖĞR. ÜYESİ ÇİĞDEM GÜNDOĞAN TÜRKER, DR. ÖĞR. ÜYESİ PINAR SARI ÇAVDAR, DR. ÖĞR. ÜYESİ FEYZA GÜRBÜZ, ARŞ. GÖR. DR. CANAN BAŞLAK, Editor, EKİN BASIN YAYIN VE DAĞITIM, Bursa, pp.61-81, 2020
- VI. **Baby Cradle Design with Kansei Knowledge Mining Based on Rough Set Theory**
AKGÜL E., ÖZMEN M., KIZILKAYA AYDOĞAN E., SİNANOĞLU C.
in: Customer Oriented Product Design Intelligent and Fuzzy Techniques, Cengiz Kahraman, Selcuk Cebi Series Editor Janusz Kacprzyk, Editor, SPRINGER NATURE, pp.468-478, 2020
- VII. **BWM-EDAS YÖNTEMİ İLE ÜLKELERİN SEYAHAT VE TURİZM REKABETEDEBİLİRLİĞİNİN DEĞERLENDİRİLMESİ**
Özmen M.
in: GELECEĞİN DÜNYASINDA BİLİMSEL VE MESLEKİ ÇALIŞMALAR, PROF. DR. UĞUR ÇAVDAR, DR. ÖĞR. ÜYESİ ÇİĞDEM GÜNDOĞAN TÜRKER, DR. ÖĞR. ÜYESİ PINAR SARI ÇAVDAR, DR. ÖĞR. ÜYESİ FEYZA GÜRBÜZ , ARŞ. GÖR. DR. CANAN BAŞLAK, Editor, EKİN BASIM YAYIN DAĞITIM, Bursa, pp.40-61, 2020
- VIII. **Determination of Denim Fabric's Air Permeability with Image Processing Using Fuzzy C Means**
Özmen M., Kızılkaya Aydoğın E., Akgül E., Katırcıođlu G.
in: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Cengiz Kahraman Selcuk Cebi Sezi Cevik Onar Basar Oztaysi A. Cagri Tolga İrem Ucal Sari, Editor, Springer-Verlag , Berlin, pp.1208-1214, 2019
- IX. **Determination of Denim Fabric's Air Permeability with Image Processing Using Fuzzy C Means**
Katırcıođlu G., KIZILKAYA AYDOĞAN E., ÖZMEN M., AKGÜL E.
in: Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making, Kahraman Cengiz, Cebi Selcuk, Onar

Refereed Congress / Symposium Publications in Proceedings

- I. **Rough Sets-Based Prediction Model For International Tourist Arrivals**
ÖZMEN M.
International Conference On Access To Recent Advances In Engineering And Digitalization, 5 - 07 March 2020
- II. **ROUGH SET BASED AIRCRAFT FAILURE RELIABILITY PREDICTION MODEL IN AVIATION SECTOR AND ITS APPLICATION IN TURKEY**
ÖZMEN M., KAYA N., KAPAN ULUSOY S.
International Conference On Access To Recent Advances In Engineering And Digitalization, 5 - 07 March 2020
- III. **INTERCITY BUS FLEET-TO-ROUTE ASSIGNMENT PROBLEM A CASE STUDY IN TURKEY**
ÖZMEN M.
ICOAEF'19, VI International Conference on Applied Economics and Finance, 16 - 17 November 2019
- IV. **Determination of Denim Fabric's Air Permeability with Image Processing Using Fuzzy C Means**
KATIRCIOĞLU G., KIZILKAYA AYDOĞAN E., ÖZMEN M., AKGÜL E.
In International Conference on Intelligent and Fuzzy Systems, 23 - 25 July 2019
- V. **Travel and Tourism Competitiveness of Economies Around the World Using Rough SWARA and TODIM Method**
KIZILKAYA AYDOĞAN E., ÖZMEN M.
In Strategic Innovative Marketing and Tourism, 17 - 21 July 2019
- VI. **Item Associated Assignment Model On Pharmacy Shelf Allocation Problem**
ÖZMEN M.
International Symposium on Advanced Engineering Technologies, 2 - 04 May 2019
- VII. **DTRS based attribute reduction with application to prediction Turkish Movie Revenue**
ÖZMEN M.
International Symposium on Advanced Engineering Technologies, 2 - 04 May 2019
- VIII. **Fuzzy Rough Approach for Telecommunication Sector Churn Prediction Attribute Reduction**
ÖZMEN M., KIZILKAYA AYDOĞAN E.
12TH NCM INTERNATIONAL CONFERENCE, 11 - 12 September 2018
- IX. **Feature Selection Application for Demand Forecasting in Furniture Industry**
ÖZMEN M., KIZILKAYA AYDOĞAN E., himmetoğlu s., DELİCE Y.
12TH NCM INTERNATIONAL CONFERENCE, 11 - 12 September 2018
- X. **Fuzzy Rough Attribute Reduction with Application to Churn Prediction in Telecommunication Sector**
KIZILKAYA AYDOĞAN E., ÖZMEN M.
4th International Conference on Engineering and Natural Science, KIEV, UKRAINE, 2 - 06 May 2018
- XI. **Telekomünikasyon Sektöründe Müşteri Kaybının Veri Madenciliği Yöntemleri ile Tahmin Edilmesi**
ÖZMEN M., KIZILKAYA AYDOĞAN E., DELİCE Y.
1. Uluslararası Sosyoloji ve Ekonomi Kongresi, KAYSERİ, 24 - 26 November 2017
- XII. **Telekomünikasyon sektöründe müşteri kaybının veri madenciliği yöntemleri ile tahmin edilmesi**
ÖZMEN M., KIZILKAYA AYDOĞAN E., DELİCE Y.
I. ULUSLARARASI SOSYOLOJİ EKONOMİ KONGRESİ, 24 - 26 November 2017
- XIII. **A multi-objective capacitated facility location problem for waste collection site selection in an air base.**
KIZILKAYA AYDOĞAN E., ÖZMEN M., boğa bakırlı b.
I.ULUSLARARASI SOSYOLOJİ VE EKONOMİ KONGRESİ, 24 - 26 November 2017
- XIV. **Determination Of Municipality Management Information System Criteria And Determination Of Weights By Rough-Ahp Method**
KIZILKAYA AYDOĞAN E., ÖZMEN M.

Second International Symposium on INDUSTRIAL DESIGN & ENGINEERING, Nevşehir, Turkey, 13 - 15 September 2017, pp.20-24

- XV. **Municipality Management Information System Selection Problem: An Application Of Smaa-Vikor**
KIZILKAYA AYDOĞAN E., ÖZMEN M.
Second International Symposium on INDUSTRIAL DESIGN & ENGINEERING, Nevşehir, Turkey, 13 - 15 September 2017, pp.15-19
- XVI. **Classification Of Diabetes' Disease With Data Mining Techniques**
KIZILKAYA AYDOĞAN E., ÖZMEN M.
Second International Symposium on INDUSTRIAL DESIGN & ENGINEERING, Nevşehir, Turkey, 13 - 15 September 2017, pp.10-14
- XVII. **Application of Clustering Algorithms in Churn Management: A Case Study in Telecommunication Sector**
ÖZMEN M., KIZILKAYA AYDOĞAN E.
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 October - 28 November 2016, pp.1
- XVIII. **Cost Sensitive Feature Selection in Decision Theoretic Rough Set Models for Customer Churn Prediction The Case of Telecommunication Sector Customers**
KIZILKAYA AYDOĞAN E., ÖZMEN M., DELİCE Y.
ICCI 2016:18th International Conference on Computer and Information Engineering, 22 - 23 April 2016
- XIX. **LOJİSTİK MERKEZ YER SEÇİMİNDE DEMATEL-MOORA YÖNTEMİYLE KAYSERİ İLİ İÇİN BİR UYGULAMA**
ÖZMEN M., KIZILKAYA AYDOĞAN E., ZARALI F.
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 35. Ulusal Kongresi, Ankara, Turkey, 9 - 11 September 2015, vol.1, no.1, pp.133
- XX. **Logistics Center Location Selection Using The New Method Smaatodim**
ÖZMEN M., KIZILKAYA AYDOĞAN E., ZARALI F.
23rd International Conference on Multiple Criteria Decision Making MCDM 2015 - Bridging Disciplines, Hamburg, Germany, 02 August 2015, pp.1-2
- XXI. **AIRLINE FLEET ASSIGNMENT AND ROUTING FOR COMBINATION CARRIERS**
DANACI ŞAKALAR T., ÖZMEN M., KIZILKAYA AYDOĞAN E., TOKSARI M. D.
LM-SCM 2014 XII. International Logistics and Supply Chain Congress, İstanbul, Turkey, 30 - 31 October 2014, pp.1
- XXII. **Determining the Priority Waste in Aluminum Manufacturing Sector Using the SMAA-2 Method: A Case Study of Kayseri**
KIZILKAYA AYDOĞAN E., ATEŞ N., UZAL N., ÖZMEN M.
Joint International Symposium on CIE44 and IMSS'14, İstanbul, Turkey, 14 - 16 October 2014, pp.1-8
- XXIII. **Application of Segmentation Algorithm for the Assessment of Amniotic Fluid Quantity from Ultrasound Images**
ÖZMEN M., İÇER S., KIZILKAYA AYDOĞAN E.
Tıp Teknolojileri Ulusal Kongresi 2014, Nevşehir, Turkey, 25 - 27 September 2014, pp.10
- XXIV. **INVESTIGATION OF PRIORITY WASTES AND WASTEWATER TREATMENT STUDIES IN ALUMINUM PRODUCTS MANUFACTURING SECTOR**
ÖZMEN M., BAŞAK A., KIZILKAYA AYDOĞAN E., UZAL N., ATEŞ N.
International Symposium on Environmental Sciences Van 2014, Van, Turkey, 4 - 07 June 2014, pp.1-2
- XXV. **Reverse Logistics Options Selection Problem: An Application Of Smaa-2**
ÖZMEN M., KIZILKAYA AYDOĞAN E.
IX. INTERNATIONAL LOGISTICS SUPPLY CHAIN CONGRESS, Nevşehir, Turkey, 07 November 2013, pp.673-680
- XXVI. **Özel Eğitim Ve Rehabilitasyon Merkezi Seçiminde Çok Kriterli Bir Yöntem Uygulaması**
ERDEM S., KIZILKAYA AYDOĞAN E., ATMACA E., GENÇER C., ÖZMEN M.
XIVth INTERNATIONAL SYMPOSIUM ON ECONOMETRICS, OPERATIONS RESEARCH AND STATISTICS, Kütahya, Turkey, 24 - 28 May 2013, pp.22
- XXVII. **Sağlık Sektöründe Gerçek Verimliliğin Veri Zarflama Analizi ve Analitik Hiyerarşi Süreci ile Belirlenmesi**

ZEYDAN M., ÖZMEN M.

4. ULUSAL ÜRETİM ARAŞTIRMA SEMPOZYUMU, Konya, Turkey, 8 - 10 October 2004, pp.1

Supported Projects

- I. Özmen M., Akın M., TUBITAK Project, Deprem Sonrası İdeal Konut Tasarım Kriterlerinin Disiplinlerarası Bir Yaklaşımla Belirlenmesi ve Karar Destek Sistemi Oluşturulması, 2021 - 2024
- II. Özmen M., Kızılkaya Aydoğan E., Akgül E., Delice Y., TUBITAK Project, GENETİK ALGORİTMA TABANLI GENÇ NESİL MOBİLYASINDA DUYGUSAL TASARIM, 2018 - 2019
- III. Özmen M., Kızılkaya Aydoğan E., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Kayseri İli Lojistik Merkez Ön Fizibilite Raporu, 2015 - 2015

Metrics

Publication: 53

Citation (WoS): 41

Citation (Scopus): 36

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

- I. 23rd International Conference on Multiple Criteria Decision Making MCDM 2015 - Bridging Disciplines, Attendee, HAMBURG, Germany, 2015

Coaching Duties

Refereeing Duties
