ERSOY ÖZ

PROF.

Email : ersoyoz@yildiz.edu.tr
International Researcher IDs
ORCID: 0000-0001-9087-434X
ScopusID: 36895155300
Yoksis Researcher ID: 120893

Learning Knowledge

Doctorate 2004 - 2009	Marmara University, Institute Of Social Sciences, Department Of Econometrics, Turkey
Postgraduate 2001 - 2004	Bursa Uludağ University, Graduate School Of Natural And Applıed Scıences, Matematik, Turkey
Undergraduate 1997 - 2001	Bursa Uludağ University, Faculty Of Arts And Scıences, Turkey

Academic Titles / Tasks

Professor 2020 - Continues	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
Associate Professor 2014 - 2020	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
Assistant Professor 2009 - 2014	Yildiz Technical University, Technical Vacational School Of Higher Education, Department Of Computer Tecnologies
Lecturer 2004 - 2009	Yildiz Technical University, Technical Vacational School Of Higher Education, Department Of Computer Tecnologies
Research Assistant 2002 - 2004	Uludağ Üniversitesi, Fen Edebiyat Fakültesi, Matematik

Supported Projects

1. Yiğit Ö. E., Öz E., Yürekli H., Technopark, Biyoistatistik alanında yazılım destekli AR-GE süreçleri iyileştirme projesi, 2022 - 2023
2. Bakırdere S., Öz E., Özdoğan N., Öztürk Er E., TUBITAK Project, Horseshoe Adasındaki Çevresel Örneklerde Organik/İnorganik Kirleticilerin, Değerli Metallerin ve Radyoaktif Elementlerin Önderiştirme Yöntemleri ile Birleştirilmiş Kromatografik ve Spektroskopik Yöntemler Kullanılarak Yüksek Doğruluk ve Duyarlılıkta Tayinleri,

2020 - 2023

3. Ulucan-Altuntas K., Debik E., Manav Demir N., Öz E., İLHAN F., Newton Programme Project, UK-Turkey capacity building for wastewater treatment integrated with renewable energy and safer reuse for sustainable communities, 2021 - 2022
4. Öz E., Başdoğan S., Technopark, Sanayi-Üniversite İşbirliği Kapsamındaki Faaliyetler için AR-GE Projesi Ön hazırlık ve Proje Tasarım Danışmanlığı, 2021 - 2021
5. BAKIRDERE S., ÖZ E., BODUR S., ERARPAT S., DALGIÇ BOZYİĞİT G., ÖZDOĞAN N., Project Supported by Higher Education Institutions, Özgün Sıvı-Sıvı Mikroekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri Kullanılarak Bisfenol A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini, 2020 - 2020
6. Öz E., Aşkın Ö. E., Project Supported by Other Private Institutions, İstanbul ili ve çevresinde umuma açık mahallerde çalınan müzikler araştırması, 2017 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Effluent parameters prediction of a biological nutrient removal (BNR) process using different machine learning methods: A case study**
   MANAV DEMİR N., Gelgor H. B., ÖZ E., İLHAN F., Altuntaş K., Tiwary A., DEBİK E.
   Journal of Environmental Management, vol.351, 2024 (SCI-Expanded)
2. **Comparison of Electrocardiographic Parameters by Gender in Heart Failure Patients with Preserved Ejection Fraction via Artificial Intelligence**
   Yilmaz R., ÖZ E.
   Diagnostics, vol.13, no.20, 2023 (SCI-Expanded)
3. **DNA Chromatogram Classification Using Entropy-Based Features and Supervised Dimension Reduction Based on Global and Local Pattern Information**
   ÖZ E., YİĞİT Ö. E., SAKARYA U.
   International Journal of Pattern Recognition and Artificial Intelligence, vol.37, no.12, 2023 (SCI-Expanded)
4. **Distribution of elements in rock/soil and seaweed/moss samples from the West Antarctic region**
   KOÇOĞLU E. S., Gösterişli T., Tekin Z., Borahan T., ÖZ E., BAKIRDERE S.
   International Journal of Environmental Science and Technology, vol.20, no.7, pp.7533-7542, 2023 (SCI-Expanded)
5. **An Analysis of PISA 2018 Mathematics Assessment for Asia-Pacific Countries Using Educational Data Mining**
   Bayirli E. G., Kaygun A., ÖZ E.
   Mathematics, vol.11, no.6, 2023 (SCI-Expanded)
6. **Exploring Factors That Affected Student Well-Being during the COVID-19 Pandemic: A Comparison of Data-Mining Approaches**
   YÜREKLİ H., YİĞİT Ö. E., Bulut O., Lu M., ÖZ E.
   INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol.19, no.18, 2022 (SCI-Expanded)
7. **Serum Levels of Selected Elements in Patients with Beta Thalassemia Major**
   Sahin A., Er E., Öz E., Yildirmak Z. Y., Bakırdere S.
   BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, no.4, pp.1502-1507, 2022 (SCI-Expanded)
8. **Bioaccessibility and bioavailability of selenium species in Se-enriched leeks (Allium Porrum) cultivated by hydroponically**
   Ari B., ÖZ E., Can S. Z., BAKIRDERE S.
   FOOD CHEMISTRY, vol.372, 2022 (SCI-Expanded)
9. **Determination of levetiracetam by GC-MS and effects of storage conditions and gastric digestive systems on drug samples**
   ERULAŞ F. A., Chormey D. S., ÖZ E., BAKIRDERE S.
   BIOANALYSIS, vol.14, pp.217-222, 2022 (SCI-Expanded)
10. **A comparative study on applicability and efficiency of machine learning algorithms for modeling**

gamma-ray shielding behaviors
Bilmez B., TOKER O., ALP S., ÖZ E., İÇELLİ O.
NUCLEAR ENGINEERING AND TECHNOLOGY, vol.54, no.1, pp.310-317, 2022 (SCI-Expanded)

11. **Sensitive Determination of 4-n-Nonylphenol in Domestic Wastewater and Liquid Detergent by Binary Solvent Microextraction (BSME) and Gas Chromatography–Mass Spectrometry (GC-MS) with Matrix Matching Calibration**
Erarpat S., Bodur S., Chormey D. S., Öz E., Bakırdere S.
Analytical Letters, vol.55, no.7, pp.1080-1092, 2022 (SCI-Expanded)
12. **The role of intraventricular antibiotic therapy in the treatment of ventriculo-peritoneal shunt infection in children**
Sahin A., Dalgic N., Kilic M., Kirgiz P., Kanik M. K., ÖZ E., Yilmaz A.
CHILDS NERVOUS SYSTEM, vol.37, no.5, pp.1605-1612, 2021 (SCI-Expanded)
13. **Sodium, Magnesium, Calcium, Manganese, Iron, Copper, and Zinc in Serums of Beta Thalassemia Major Patients**
Şahin A., Er E., Öz E., Yıldırmak Z. Y., Bakırdere S.
Biological Trace Element Research, vol.199, no.3, pp.888-894, 2021 (SCI-Expanded)
14. **A sensitive determination method for trace bisphenol A in bottled water and wastewater samples: Binary solvent liquid phase microextraction-quadrupole isotope dilution-gas chromatography-mass spectrometry**
Bodur S., Erarpat S., Dalgıç Bozyiğit G., Selali Chormey D., Öz E., Özdoğan N., Bakırdere S.
Microchemical Journal, vol.159, 2020 (SCI-Expanded)
15. **Rapid and sensitive detection ofSalmonellaspp. in raw minced meat samples using droplet digital PCR**
Yücel Öz Y., Irigül Sönmez Ö., Karaman S., Öz E., Ünal C. B., Karataş A.
European Food Research And Technology, vol.246, pp.1895-1907, 2020 (SCI-Expanded)
16. **Assessment of different isotope dilution strategies and their combination with switchable solvent-based liquid phase microextraction prior to the quantification of bisphenol A at trace levelsviaGC-MS**
Bodur S., ERARPAT S., Chormey D. S., Bozyigit G., ÖZ E., Ozdogan N., BAKIRDERE S.
NEW JOURNAL OF CHEMISTRY, vol.44, no.32, pp.13685-13691, 2020 (SCI-Expanded)
17. **Analysis of Conventionally and Magnetic-Field Dried Fruit and Nuts for Mycotoxins by High-Performance Liquid Chromatography–Tandem Mass Spectrometry (HPLC-MS/MS) and Trace Elements by Inductively Coupled Plasma–Mass Spectrometry (ICP-MS)**
İçelli O., Öz E., Bakırdere S., Nuroglu E.
Analytical Letters, vol.53, no.5, pp.735-745, 2020 (SCI-Expanded)
18. **Determination of Trace Element Concentrations in Blood Samples and Their Correlation to Breast Cancer**
TOPDAĞI Ö., TOKER O., BAKIRDERE S., ÖZ E., Bursalioglu E. O., Abuqbeitah M., Demir M., İÇELLİ O.
ATOMIC SPECTROSCOPY, vol.41, no.1, pp.29-35, 2020 (SCI-Expanded)
19. **CROSS-NATIONAL COMPARISONS OF STUDENTS' SCIENCE SUCCESS BASED ON GENDER VARIABILITY: EVIDENCE FROM TIMSS**
Aşkın Ö. E., Öz E.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.19, no.2, pp.186-200, 2020 (SSCI)
20. **y Classification of Hepatitis Viruses from Sequencing Chromatograms Using Multiscale Permutation Entropy and Support Vector Machines**
Öz E., Aşkın Ö. E.
ENTROPY, vol.21, no.12, 2019 (SCI-Expanded)
21. **Radiation interaction parameters for blood samples of breast cancer patients: an MCNP study**
Toker O., Caglar M., Öz E., Bakırdere S., Topdağı Ö., Eyecioglu O., İçelli O.
RADIATION AND ENVIRONMENTAL BIOPHYSICS, vol.58, no.4, pp.531-537, 2019 (SCI-Expanded)
22. **Determination of butyltin compounds in fish and mussel samples at trace levels by vortex assisted**

dispersive liquid-liquid microextraction-gas chromatography mass spectrometry
Erarpat S., Bodur S., Öz E., Bakırdere S.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.82, 2019 (SCI-Expanded)

23. **Evaluation of magnetic field assisted sun drying of food samples on drying time and mycotoxin production**
Nuroglu E., Öz E., Bakırdere S., Bursalioglu E. O., Kavanoz H. B., İçelli O.
INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, vol.52, pp.237-243, 2019 (SCI-Expanded)
24. **Determination of Se, Cr, Mn, Zn, Co, Na, and K in Blood Samples of Breast Cancer Patients to Investigate Their Variation Using ICP-MS and ICP-OES**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoglu E. O., Öz E., Eyecloglu O., Karabul Y., Çağlar M., İçelli O.
ATOMIC SPECTROSCOPY, vol.40, pp.11-16, 2019 (SCI-Expanded)
25. **FINDING THE BEST ALGORITHMS AND EFFECTIVE FACTORS IN CLASSIFICATION OF TURKISH SCIENCE STUDENT SUCCESS**
Filiz E., Öz E.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.18, pp.239-253, 2019 (SSCI)
26. **Correlation between Na/K ratio and electron densities in blood samples of breast cancer patients**
Topdağı Ö., Toker O., Bakırdere S., Bursalioglu E. O., Öz E., Eyecioglu O., Demir M., İçelli O.
BIOMETALS, vol.31, pp.673-678, 2018 (SCI-Expanded)
27. **Classification of nucleotide sequences for quality assessment using logistic regression and decision tree approaches**
KURT S., ÖZ E., AŞKIN Ö. E., Oz Y. Y.
NEURAL COMPUTING & APPLICATIONS, vol.29, no.8, pp.251-262, 2018 (SCI-Expanded)
28. **Influence of Time and Direction Information on Video Head Impulse Gains**
Yilmaz O., ÖZ E., KURT S., AŞKIN Ö. E., Taşdemir E., Mutlu B. O., Keles A., Cevizci R.
JOURNAL OF INTERNATIONAL ADVANCED OTOLOGY, vol.13, no.3, pp.363-367, 2017 (SCI-Expanded)
29. **Identifying the Classification Performances of Educational Data Mining Methods: A Case Study for TIMSS**
KILIÇ DEPREN S., Askin O. E., ÖZ E.
EDUCATIONAL SCIENCES-THEORY & PRACTICE, vol.17, no.5, pp.1605-1623, 2017 (SSCI)
30. **Prediction of electron density and trace element concentrations in human blood serum following radioiodine therapy in differentiated thyroid cancer patients**
Bursalioglu E. O., ALKAN F. A., BARUTCU U. B., DEMIR M., KARABUL Y., BALKAN B., ÖZ E., İÇELLİ O.
MEASUREMENT, vol.100, pp.19-25, 2017 (SCI-Expanded)
31. **Feature based quality assessment of DNA sequencing chromatograms**
ÖZ E., KURT S., Asyali M. H., Kaya H., Yucel Y.
APPLIED SOFT COMPUTING, vol.41, pp.420-427, 2016 (SCI-Expanded)
32. **Detailed polymorphism study on cytomegalovirus DNA polymerase gene to reveal the most suitable genomic targets for quantitative Real-time PCR**
BILENOGLU O., ALTINDIS M., ÖZ E., YUCEL-OZ Y., IRIGUL-SONMEZ O., UNAL C. B.
BOSNIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.15, no.3, pp.28-34, 2015 (SCI-Expanded)
33. **Support vector machines for quality control of DNA sequencing**
ÖZ E., Kaya H.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)

Articles Published in Other Journals

1. **FEATURE EXTRACTION FOR DNA CAPILLARY ELECTROPHESIS SIGNALS BASED ON DISCRETE WAVELET TRANSFORM COMBINED WITH MULTI-SCALE PERMUTATION ENTROPY**
Yiğit Ö. E., Öz E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.40, no.3, pp.475-490, 2022 (ESCI)

2. **PREDICTION OF BIST PRICE INDICES: A COMPARATIVE STUDY BETWEEN TRADITIONAL AND DEEP LEARNING METHODS**
   Yiğit Ö. E., Alp S., Öz E.
   Sigma Journal of Engineering and Natural Sciences, vol.38, no.4, pp.1693-1704, 2020 (ESCI)
3. **Educational Data Mining Methods for TIMSS 2015 Mathematics Success: Turkey Case**
   Filiz E., Öz E.
   Sigma Journal of Engineering and Natural Sciences, vol.38, no.2, pp.963-977, 2020 (ESCI)
4. **MULTIVARIATE MARKOV CHAIN MODEL: AN APPLICATIONTO S&P500 AND FTSE-100 STOCK EXCHANGES**
   Gül M., Öz E.
   JOURNAL OF RESEARCH IN ECONOMICS (JORE), vol.2, no.1, pp.75-88, 2018 (Peer-Reviewed Journal)
5. **Classification Of BIST-100 Index' Changes Via Machine Learning Methods**
   Filiz E., Öz E.
   MARMARA ÜNİVERSİTESİ İKTİSADİ VE İDARİ BİLİMLER DERGİSİ, vol.39, no.1, pp.117-129, 2017 (Peer-Reviewed Journal)
6. **An Alternative Approach to the Solution of Multi-Objective Geometric Programming Problems**
   Öz E., Güzel N., Alp S.
   Open Journal of Optimization, vol.6, no.1, pp.11-25, 2017 (Peer-Reviewed Journal)
7. **An Alternative Solution to Multi Objective Linear FractionalProgramming Problem by Using Geometric ProgrammingTechnique**
   Öz E., Alp S., Güzel N.
   Mathematical Theory and Modelling, no.6, pp.1-12, 2016 (Peer-Reviewed Journal)
8. **An Application of Geometric Programming**
   Güney İ., Öz E.
   Istanbul Aydin University International Journal of Electronics; Mechanical and Mechatronics Engineering, vol.2, no.2, pp.157-161, 2012 (Peer-Reviewed Journal)
9. **An Application of Multivariate Markov Chain Model on the Changes in Exchange Rates: Turkey Case**
   Öz E., Erpolat S.
   European Journal of Social Sciences, vol.18, no.4, pp.542-552, 2011 (Peer-Reviewed Journal)
10. **Çok Değişkenli Markov Zinciri Modeli ve Bir Uygulama**
    Öz E., Erpolat S.
    MARMARA ÜNİVERSİTESİ İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ DERGİSİ, vol.29, no.2, pp.577-590, 2010 (Peer-Reviewed Journal)
11. **Comparison of Id3, Fuzzy Id3 and Probabilistic Id3 Algorithms in the Evaluation of Learning Achievements**
    Erpolat S., Öz E.
    Journal of Computing, vol.2, no.12, pp.20-24, 2010 (Peer-Reviewed Journal)
12. **Algorithms of Hidden Markov Model and a Prediction Method on Product Preferences**
    Öz E.
    Journal of Computing, vol.2, no.10, pp.12-17, 2010 (Peer-Reviewed Journal)
13. **A Geometric Programming Approach for The Automotive Production in Turkey**
    Öz E., Güney İ.
    Journal of Computing, vol.2, no.7, pp.1-5, 2010 (Peer-Reviewed Journal)
14. **Analitik Hiyerarşi Yöntemi ile Elektronik Market Tercihlerinin İncelenmesi**
    Öz E., Alp S.
    İstanbul Aydın Üniversitesi Fen Bilimleri Dergisi, vol.2, no.5, pp.114-130, 2010 (Peer-Reviewed Journal)
15. **Kanser Verilerinin Sınıflandırılmasında Yapay Sinir Ağları ile Destek Vektör Makinelerinin Karşılaştırılması**
    Erpolat S., Öz E.
    İstanbul Aydın Üniversitesi Fen Bilimleri Dergisi, vol.2, no.5, pp.71-83, 2010 (Peer-Reviewed Journal)
16. **APPLYING HIDDEN MARKOV MODEL TO BRAND CHOICES AND ITS REASONS**

Can T., Öz E.
ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ SOSYAL BİLİMLER DERGİSİ, vol.10, no.2, pp.167-186, 2009 (Peer-Reviewed Journal)

17. **İstanbul Menkul Kıymetler Borsası Üzerine Saklı Markov Modeli ile Bir Tahminleme**
Öz E.
Ekonomik Yaklaşım, vol.20, no.72, pp.59-85, 2009 (Peer-Reviewed Journal)
18. **Markov Zinciri Yöntemi ile Taşınabilir Bilgisayar Tercihlerinin Analizi**
Öz E., Alp S.
Sakarya Üniversitesi Sosyal Bilimler Enstitüsü, SBE Akademik İncelemeler Dergisi, vol.4, no.2, pp.37-56, 2009 (Peer-Reviewed Journal)
19. **Estimation of dollar rate changes in Turkey using Hidden Markov models**
Can T., Öz E.
İstanbul Üniversitesi İşletme Fakültesi Dergisi. E.A. İşletme Dergisi:İstanbul Üniversitesi İşletme Fakültesi, vol.38, no.1, pp.1-23, 2009 (Peer-Reviewed Journal)
20. **Stochastic Differential Equation Simulation of Population Growth Rate**
Öz E., Güney İ.
Journal of Analysis and Computation, vol.4, no.2, pp.155-163, 2008 (Peer-Reviewed Journal)
21. **Yatırım Araçları Tercihlerinin Markov Analizi ile Yorumlanması**
Öz E., Alp S.
Anadolu Bil Meslek Yüksekokulu Dergisi, vol.3, no.11, pp.111-125, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

1. **OYUN TEORİSİ VE TÜRKİYE TURİZM SEKTÖRÜ ÜZERİNE BİR UYGULAMA**
ALP S., ÖZ E., AŞKIN Ö. E.
Umuttepe Yayınları, Kocaeli, 2020
2. **Customer Oriented Design with Conjoint Analysis**
Alp S., Öz E.
in: Customer Oriented Product Design, Cengiz Kahraman,Selçuk Çebi, Editor, Springer, London/Berlin , Zürich, pp.401-416, 2020
3. **Customer Oriented Product Design with Conjoint Analysis**
ALP S., ÖZ E.
in: Customer Oriented Product Design: Intelligent and Fuzzy Techniques, Kahraman Cengiz, Çebi Selçuk, Editor, Springer, pp.401-415, 2020
4. **Makine Öğrenmesinde Sınıflandırma Yöntemleri ve R Uygulamaları**
Alp S. (Editor), Öz E. (Editor)
NOBEL Akademik Yayıncılık, Ankara, 2019
5. **Destek Vektör Makineleri**
Öz E.
in: Makine Öğrenmesinde Sınıflandırma Yöntemleri ve R Uygulamaları, Ersoy ÖZ,Selçuk ALP, Editor, Livraria Nobel, Ankara, pp.167-188, 2019
6. **Bilgisayar Teknolojileri ve Microsoft Office 2007 Kullanımı**
Kavaklı Tansel K., Öz E., Alp S.
Türkmen Kitabevi, İstanbul, 2010
7. **Sistem Analizi ve Tasarımı Sistem Analizinde Kullanılan Sayısal Yöntemler**
Öz E., Alp S.
Türkmen Kitabevi, İstanbul, 2010
8. **Sistem Analizi ve Tasarımı**
ÖZ E., ALP S.
Türkmen Yayınevi, 2010

Refereed Congress / Symposium Publications in Proceedings

1. **A Classification Practice on PISA 2018 Results**
   Gülenç Bayirli E., Öz E.
   3rd International Conferenceon Data Science and Applications (ICONDATA'xx20), İstanbul, Turkey, 25 - 28 June 2020, vol.1, no.1, pp.177-181
2. **Veri Madenciliği Teknikleri Kullanılarak BIST 100 Borsa Endeksi Hareketinin Sınıflandırılması**
   Tanç H., Dansık M. Y., Öz E., Aşkın Ö. E.
   3rd International Conferenceon Data Science and Applications (ICONDATA'xx20), İstanbul, Turkey, 25 - 28 June 2020, pp.51
3. **Makine Öğrenmesi Yöntemleri ile Ek Garanti Satın Alım Tahminlemesi**
   Alacan S., Öz E.
   20. ULUSLARARASI EKONOMETRİ, YÖNEYLEM ARAŞTIRMASI VE İSTATİSTİK SEMPOZYUMU, Ankara, Turkey, 12 - 14 February 2020, pp.262
4. **Destek Vektör Makineleri ile Pisa 2015 Sonuçları Üzerine Bir Sınıflandırma Uygulaması**
   Gülenç Bayırlı E., Öz E.
   20. ULUSLARARASI EKONOMETRİ, YÖNEYLEM ARAŞTIRMASI VE İSTATİSTİK SEMPOZYUMU, Ankara, Turkey, 12 - 14 February 2020, pp.308
5. **Sensitive and Accurate Determination of Butyltin Compounds in Fish and MusselSamples by Vortex Assisted Dispersive Liquid-Liquid Microextraction-Gas ChromatographyMass Spectrometry**
   Erarpat S., Bodur S., Öz E., Bakırdere S.
   1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 - 30 March 2019, pp.159
6. **ÇOK KRİTERLİ KARAR VERME YÖNTEMLERİ İLE YEREL SEÇİM ADAY BELİRLEME SÜRECİ ÜZERİNE BİR UYGULAMA**
   Genç T., Öz E.
   2nd International Congress on Statistics Mathematics and Analytical Methods, İstanbul, Turkey, 28 March 2019, vol.0, no.0, pp.105-112
7. **Destek Vektör Makineleri ile Eğitim Veri Seti Üzerine BirSınıflandırma Uygulaması: TIMMS-2015 Türkiye**
   Filiz E., Aşkın Ö. E., Karadağ T., Öz E.
   International Conference on Data Science and Applications, Yalova, Turkey, 4 - 07 October 2018, pp.36-37
8. **The Classification with Support Vector Machines and Logistic Regression: The case study of TIMSS 2015 Turkey Results**
   Filiz E., Aşkın Ö. E., Öz E.
   19. International Symposium on Econometrics Operations Research and Statistics, Antalya, Turkey, 17 - 20 October 2018, pp.633-636
9. **Finding The Best Machine Learning Algorithms in Predicting The Successes of 8th GradeTurkish Students**
   Filiz E., Aşkın Ö. E., Öz E.
   19. International Symposium on Econometrics Operations Research and Statistics, Antalya, Turkey, 17 - 20 October 2018, pp.640-642
10. **Veri Madenciliği Yöntemleri ile Meme Kanseri Hastalarının Kan Örnekleri Üzerine Bir Sınıflandırma Uygulaması**
    Küçükbayram S., Öz E.
    19. International Symposium on Econometrics Operations Research and Statistics, Antalya, Turkey, 17 - 20 October 2018, pp.1440-1448
11. **Comparison of Classification Achievements of Logistic Regression and Decision Trees Algorithms on TIMSS 2015 Data**
    Filiz E., Karadağ T., Aşkın Ö. E., Öz E.
    4th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2018), İzmir, Turkey, 28 - 30

April 2018, pp.111

12. **Prediction Of Breast Cancer Pattern Using Artificial Neural Network Algorithms**
Toker O., Alp S., Topdağı Ö., Eyecioğlu Ö., Beken M., Öz E., İçelli O.
4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.78

13. **Classification of breast cancer patients' blood samples using machine learning algorithms**
Toker O., Alp S., Topdağı Ö., Eyecioğlu Ö., Beken M., Öz E., İçelli O.
4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 - 22 April 2018, pp.79

14. **TÜRKİYE'DE OTOMOBİL ÜRETİMİNİN BULANIK HEDEF PROGRAMLAMA YAKLAŞIMI İLE MODELLENMESİ VE ÇÖZÜLMESİ**
Bayram D. Ö., Öz E.
I. Uluslararası İksad Sosyal Bilimler Kongresi, Mardin, Turkey, 9 - 11 March 2018, pp.107

15. **Multivariate Markov Chain Model: An Application to S&P500 and Ftse-100 Stock Exchanges**
Gül M., Öz E.
10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.23

16. **Study of electron density via some elements in breast cancer patients' blood samples**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.2714

17. **Investigation of the variations in Se, Cr, Mn, Zn, Co, Na, K concentrations in blood samples of breast cancer patients**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.2713

18. **Bist 100 Endeksi Değerlerindeki Değişimlerin Destek Vektör Makineleri ve Karar Ağaçları İle Sınıflandırılması**
Paralı S., Öz E.
The 1st International Symposium on Social Sciences and Educational Research, Antalya, Turkey, 3 - 05 November 2017, vol.0, no.0, pp.139

19. **Büyük Dünya Endeksleri ve Makroekonomik Göstergeler Kullanılarak BIST-100 Endeksinin Yönünün Makine Öğrenmesi Yöntemleri ile Sınıflandırılması**
Akoğul S., Filiz E., Karaboğa H. A., Öz E.
XVIII. Uluslararası Ekonometri YöneylemAraştırması ve İstatistik Sempozyumu, Trabzon, Turkey, 5 - 07 October 2017, pp.400

20. **Yetkinlik Bazlı Yönetici Seçiminde Analitik Hiyerarşi Prosesi ve TOPSIS Yönteminin Uygulanması**
Zengin G., Öz E.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu 2017, Trabzon, Turkey, 5 - 07 October 2017, pp.237

21. **DOĞRUSAL OLMAYAN DESTEK VEKTÖR MAKİNELERİ İLE BANKACILIKSEKTÖRÜ ÜZERİNE BİR SINIFLANDIRMA UYGULAMASI**
Büyüklü A. H., Aşkın Ö. E., Filiz E., Öz E.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, Trabzon, Turkey, 5 - 07 October 2017, pp.258

22. **Oyun Teorisi Yaklaşımı ile Akıllı Telefon Tercihlerinin Belirlenmesi**
Alacan S., Öz E.
37. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, İstanbul, Turkey, 5 - 07 July 2017, pp.120-121

23. **Investigating the Classification Performances of Support Vector Machines and Logistic Regression: A Case Study on PISA 2012**
Öz E., Kılıç Depren S., Aşkın Ö. E.
END 2017, Lisbon, Portugal, 24 - 26 June 2017, pp.27-31

24. **Comparing Data Mining Methods for Classification of Students' Science Success**
Kılıç Depren S., Aşkın Ö. E., Öz E.
END 2017, Lisbon, Portugal, 24 - 26 June 2017, pp.47-51
25. **Decision Tree Approach for Predicting Students' Mathematics Achievement of TIMSS Study**
Aşkın Ö. E., Öz E., Kılıç Depren S.
END 2017, Lisbon, Portugal, 24 - 26 June 2017, pp.37-41
26. **Stokastik Süreç ve Regresyon Analizi Hatalarının Karşılaştırılması**
Alp S., Öz E.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005, pp.678-685
27. **Otomotiv Üretimi Üzerine Şans Kısıtlı Stokastik Programlama Yaklaşımı**
Öz E., Güney İ.
12th International Symposium on Econometrics Statistics and Operations Research, Denizli, Turkey, 26 - 29 May 2011, pp.115-121
28. **Stokastik Süreç ve Regresyon Analizi Hatalarının Karşılaştırılması**
ALP S., ÖZ E.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005, pp.678-685

Academic and Administrative Experience

2022 - Continues	**Rektörlük Kalite Komisyonu Başkanı**	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2018 - Continues	**Rectorate Commissioner**	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2018 - Continues	**Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi**	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2018 - Continues	**Fakülte Yönetim Kurulu Üyesi**	Yildiz Technical University, Faculty Of Applied Sciences
2018 - Continues	**Fakülte Kurulu Üyesi**	Yildiz Technical University, Faculty Of Applied Sciences
2017 - Continues	**Vice Dean**	Yıldız Teknik Üniversitesi, Faculty of Applied Sciences
2016 - Continues	**Rektörlük Kalite Komisyonu Üyesi**	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2015 - 2017	**Meslek Yüksekokulu Yönetim Kurulu Üyesi**	Yildiz Technical University, Technical Vacational School Of Higher Education
2015 - 2017	**Assistant Director of Vocational School**	Yildiz Technical University, Technical Vacational School Of Higher Education
2015 - 2017	**Meslek Yüksekokulu Kurulu Üyesi**	Yildiz Technical University, Technical Vacational School Of Higher Education
2013 - 2015	**Assistant Director of Vocational School**	Yildiz Technical University, Technical Vacational School Of Higher Education
2013 - 2015	**Meslek Yüksekokulu Yönetim Kurulu Üyesi**	Yildiz Technical University, Technical Vacational School Of Higher Education

2010 - 2013	**Meslek Yüksekokulu Yönetim Kurulu Üyesi**	Yildiz Technical University, Technical Vacational School Of Higher Education

Courses

Oyunlar ve Karar Verme, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Operations Research I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
İstatistik, Undergraduate, 2019 - 2020
Bitirme Çalışması, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Lineer Olmayan Programlama, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Planlama Teknikleri, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Bilgisayar Programlamaya Giriş, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
Yöneylem Araştırması II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Algoritma ve Programlamaya Giriş, Associate Degree, 2017 - 2018, 2007 - 2008
Delphi Programlama I, Associate Degree, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Web Programlama, Undergraduate, 2016 - 2017
Sistem Analizi ve Tasarımı, Associate Degree, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
İstatistikçiler için Matematiksel Programlama, Undergraduate, 2016 - 2017, 2015 - 2016
Sayısal Çözümleme, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013
İnternet Programcılığı 2, Associate Degree, 2014 - 2015
Sistem Mimarileri, Associate Degree, 2014 - 2015, 2012 - 2013
Sistem Analizi ve Tasarımı, Associate Degree, 2014 - 2015
Programlama Temelleri, Associate Degree, 2015 - 2016
Sayısal Çözümleme, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013
İnternet Programcılığı 2, Associate Degree, 2014 - 2015
Mikro Bilgisayar Sistemleri ve Assembler, Associate Degree, 2014 - 2015, 2013 - 2014
Sistem Mimarileri, Associate Degree, 2014 - 2015
Bilgisayar Ağ Sistemleri, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
Temel Elektronik, Associate Degree, 2014 - 2015
Bilgisayarlı İstatistik, Associate Degree, 2014 - 2015, 2012 - 2013, 2011 - 2012
Modern Mantık ve Mikroişlemciler, Associate Degree, 2014 - 2015
Sistem Analizi ve Tasarımı, Associate Degree, 2013 - 2014, 2012 - 2013
Mesleki Matematik, Associate Degree, 2014 - 2015, 2012 - 2013
İnternet Programcılığı 1 , Associate Degree, 2014 - 2015
Nesne Tabanlı Programlama, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013
İnternet Programcılığı 1, Associate Degree, 2014 - 2015
Delphi Programlama I, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Bilgisayar Donanımı, Associate Degree, 2013 - 2014
Araştırma Teknikleri ve Seminer, Associate Degree, 2011 - 2012, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
Grafik ve Animasyon , Associate Degree, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Bilgisayar II, Associate Degree, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
İşletim Sistemleri, Associate Degree, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

Görsel Programlama 2, Associate Degree, 2009 - 2010
Teknolojinin Bilimsel İlkeleri, Associate Degree, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008
İşletim Sistemleri, Associate Degree, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
Bilgisayar I, Associate Degree, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
Bilgisayar II, Associate Degree, 2006 - 2007
Veri Tabanı ve Yönetim Sistemleri 1, Associate Degree, 2004 - 2005

Advising Theses

Öz E., Savunma Teknolojilerinde Uzaktan Algılama Sistemleri için Makine Öğrenmesi Yöntemleri ile Sınıflandırma Uygulamaları, Doctorate, T.Genç(Student), Continues
Öz E., Biyolojik Zaman Serileri için Entropi Tabanlı Öznitelik Çıkartılması ve Sınıflandırılma, Postgraduate, D.Arapoğlu(Student), Continues
Öz E., Entropi Tabanlı Öznitelik Çıkarımı ve Sınıflandırma Algoritmaları ile Bir Uygulama, Doctorate, D.Özlem(Student), Continues
Öz E., Kaygun A., Büyük Verilerde Anomali Tespiti, Doctorate, E.Gülenç(Student), Continues
Öz E., Finansal teknoloji alanında kullanıcı deneyimlerinin makine öğrenmesi yöntemleri ile incelenmesi, Postgraduate, G.ZENGİN(Student), 2022
Öz E., Makine Öğrenmesi ile Teknoloji Perakende Sektöründe Ek Garanti Satış Modellemesi, Postgraduate, S.Alacan(Student), 2020
Öz E., A Model Proposal on Local Electrol Candidate Determination Process With Multi-Criteria Decision Making Methods, Postgraduate, T.GENÇ(Student), 2019
Öz E., Machine Learning Methods and an Application on Educational Data: The Trends in International Mathematics and Science Study 2015 TURKEY Case, Doctorate, E.FİLİZ(Student), 2019
Öz E., Türkiye'de otomobil üretimi üzerine bulanık hedef programlama yaklaşımının uygulanması, Postgraduate, D.ÖZLEM(Student), 2018

Scientific Refereeing

SCIENTIA IRANICA, SCI Journal, January 2021
Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, June 2020
Technopark, Yildiz Technical University, Turkey, June 2020
Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, April 2020
Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, March 2020
Technopark, Yildiz Technical University, Turkey, December 2019
Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, November 2019
SCIENTIA IRANICA, SCI Journal, June 2019
INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, SCI Journal, March 2019
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, March 2018
EURASIA JOURNAL OF MATHEMATICS SCIENCE AND TECHNOLOGY EDUCATION, Journal Indexed in SSCI, March 2018
JOURNAL OF SCHEDULING, Journal Indexed in SCI-E, September 2017
ÇUKUROVA ÜNİVERSİTESİ SOSYAL BİLİMLER DERGİSİ, National Scientific Refreed Journal, April 2017
ÖNERİ: MARMARA ÜNİVERSİTESİ SOSYAL BİLİMLER ENSTİTÜSÜ HAKEMLİ DERGİSİ, National Scientific Refreed Journal, July 2016

Metrics

Publication: 95
Citation (WoS): 92
Citation (Scopus): 131
H-Index (WoS): 6
H-Index (Scopus): 6

Research Areas

Biostatistics and Medical Informatics, bioinformatics, Artificial Intelligence, Computer Learning and Pattern Recognition, Statistics, Statistical Analysis and Applications, Natural Sciences