

Prof. ÖZLEM TÜRKŞEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-4746-2020

Yoksis Researcher ID: 169311

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (Dr), Turkey 2005 - 2011

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Ankara University, Fen Fakültesi, İstatistik Bölümü, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Data Analysis, İTÜ Sürekli Eğitim Merkezi Veri Bilimi Uzmanlık Sertifika Programı, İstanbul Teknik Üniversitesi, 2021

Vocational Training, Ankara Üniversitesi Açık ve Uzaktan Eğitim Fakültesi Online Öğretici Sertifika Programı, Ankara Üniversitesi, 2020

Quality Management, Temel Kalite Yönetimi Eğitimi, Ankara Üniversitesi, 2019

Occupational Health and Safety, Ankara Üniversitesi İş Sağlığı ve Güvenliği Eğitim Programı, Ankara Üniversitesi, 2015

Education Management and Planning, Ankara Üniversitesi Öğretim Üyeleri İçin Eğitimcilerin Eğitimi Programı, Ankara Üniversitesi, 2015

Dissertations

Doctorate, Çok yanıtlı yüzey problemlerinin çözümüne bulanık ve sezgisel yaklaşım, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2011

Postgraduate, Yüzey ölçümleri ile deprem kaynak parametrelerinin tahmininde uyarlanmış tavlama benzetimi yöntemi, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 2005

Research Areas

Operational Research, Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2022 - Continues
Associate Professor, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2017 - 2022
Assistant Professor, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2014 - 2017
Research Assistant, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2004 - 2014

Academic and Administrative Experience

Rectorate Commissioner, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2020 - Continues
Rectorate Commissioner, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2019 - Continues
Assistant Coordinator of The Rectorate, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2019 - Continues
Head of Department, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2019 - Continues
Bölüm Kalite Komisyonu Üyesi, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2018 - 2020
Deputy Head of Department, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2017 - 2018
Birim Kalite Komisyonu Üyesi, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2015 - 2018

Courses

Python ile Veri Analizi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Mekansal İstatistik, Doctorate, 2022 - 2023, 2018 - 2019
Optimizasyon, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015
İstatistikte İleri Optimizasyon, Doctorate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2017 - 2018
Özel Konu, Undergraduate, 2021 - 2022, 2019 - 2020, 2016 - 2017, 2014 - 2015
Sigortacılıkta Yöneylem Araştırması, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Optimizasyon, Undergraduate, 2022 - 2023
Doğrusal Programlama, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015
Optimizasyon, Postgraduate, 2021 - 2022, 2018 - 2019
Optimizasyon, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Özel Konu, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Veri Analizi Ve Yorumlama, Postgraduate, 2022 - 2023
Çok Ölçütlü Karar Verme Yöntemleri, Doctorate, 2020 - 2021, 2019 - 2020
Yöneylem Araştırması, Undergraduate, 2021 - 2022, 2019 - 2020, 2017 - 2018, 2015 - 2016
Yöneylem Araştırması Yöntemleri, Postgraduate, 2021 - 2022, 2017 - 2018, 2014 - 2015
İstatistik Yöntemler ve Uygulamaları, Postgraduate, 2020 - 2021
Çok Ölçütlü Karar Verme, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015
Yönetim Bilgi Sistemleri, Undergraduate, 2018 - 2019
Mekansal İstatistik, Undergraduate, 2018 - 2019
İstatistik Hesaplama, Undergraduate, 2016 - 2017
Rasgele Sayılar ve Simulasyon, Postgraduate, 2016 - 2017
Biyostatistik, Undergraduate, 2014 - 2015
Olasılık ve İstatistik, Undergraduate, 2014 - 2015
Olasılık ve İstatistik, Undergraduate, 2014 - 2015

Advising Theses

Türkşen Ö., Çok yanıtli deneysel verilerin görünüşte ilişkisiz regresyon analizi ile modellenmesi ve optimal değişken değerlerinin belirlenmesi, Postgraduate, S.TUNÇEL(Student), 2022

TÜRKŞEN Ö., An approximation for point and interval estimations of nonlinear regression model parameters, Postgraduate, F.AKGÜN(Student), 2018

Advising Graduates (Non-Thesis)

Türkşen Ö., Doğrusal Olmayan Fonksiyonlar İle Oluşturulan Kısıtsız Problemlerin Optimizasyon Yöntemleri, Masters (Non-Thesis), R.Akoğlu(Student), 2018

Jury Memberships

Post Graduate, Post Graduate, Ankara Üniversitesi, January, 2022

Doctorate, Doctorate, Eskişehir Teknik Üniversitesi, December, 2021

Post Graduate, Post Graduate, Eskişehir Teknik Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Selçuk Üniversitesi, February, 2021

Post Graduate, Post Graduate, Sakarya Üniversitesi, August, 2020

Doctorate, Doctorate, Çukurova Üniversitesi, June, 2020

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, December, 2019

Post Graduate, Post Graduate, Gazi Üniversitesi, November, 2019

Post Graduate, Post Graduate, Hacettepe Üniversitesi, June, 2019

Post Graduate, Post Graduate, Gazi Üniversitesi, May, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, February, 2019

Doctorate, Doctorate, Gazi Üniversitesi, December, 2018

Doctorate, Doctorate, Gazi Üniversitesi, October, 2018

Doctorate, Doctorate, Gazi Üniversitesi, April, 2018

Post Graduate, Post Graduate, Gazi Üniversitesi, March, 2018

Post Graduate, Post Graduate, Hacettepe Üniversitesi, June, 2017

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Eskişehir Teknik Üniversitesi, February, 2017

Doctorate, Doctorate, Ankara Üniversitesi, December, 2015

Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, October, 2015

Post Graduate, Post Graduate, Gazi Üniversitesi, September, 2015

Taught Courses And Trainings

Türkşen Ö., Efe M., Yılmaz A. E., Big Data (Veri Analizi) Eğitimi, 2022 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, characterization, modeling and catalytic testing of tungstated zirconia supported Ni catalysts for Hydrodeoxygenation of Guaiacol**
DONAR Y. O., TÜRKŞEN Ö., Ünalın A. T., BAYRAMOĞLU D., Ergenekon S., Dulkadir H., SINAĞ A.
Molecular Catalysis, vol.531, 2022 (SCI-Expanded)
- II. **A novel perspective for parameter estimation of seemingly unrelated nonlinear regression**
TÜRKŞEN Ö.
JOURNAL OF APPLIED STATISTICS, vol.48, no.13-15, pp.2326-2347, 2021 (SCI-Expanded)
- III. **Intuitionistic Fuzzy Hypothesis Testing with Fuzzy Data**

- ATALIK G., Senturk S., TÜRKŞEN Ö., Erginel N.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.36, no.6, pp.527-542, 2021 (SCI-Expanded)
- IV. **Analyses of replicated spectrophotometric data by using soft computing methods**
TÜRKŞEN Ö., VURAL N.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.17, no.10, pp.2651-2661, 2020 (SCI-Expanded)
- V. **A nonlinear modeling with linear fuzzy numbers for replicated response measures**
TÜRKŞEN Ö.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.3, pp.629-646, 2020 (SCI-Expanded)
- VI. **Obtaining interval estimates of nonlinear model parameters based on combined soft computing tools**
TÜRKŞEN Ö.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.38, no.1, pp.609-618, 2020 (SCI-Expanded)
- VII. **Electrochemical and theoretical assessment of the effect of two biocides on the corrosion of petroleum steel in sulfur-polluted Black Sea water**
Hasanzade R., Bilgic S., Gece G., TÜRKŞEN Ö.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.70, no.12, pp.2334-2342, 2019 (SCI-Expanded)
- VIII. **Statistical inference for alpha-series process with the inverse Gaussian distribution**
Kara M., TÜRKŞEN Ö., AYDOĞDU H.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.6, pp.4938-4950, 2017 (SCI-Expanded)
- IX. **Analysis of Response Surface Model Parameters with Bayesian Approach and Fuzzy Approach**
TÜRKŞEN Ö.
INTERNATIONAL JOURNAL OF UNCERTAINTY FUZZINESS AND KNOWLEDGE-BASED SYSTEMS, vol.24, no.1, pp.109-122, 2016 (SCI-Expanded)
- X. **Comparison of fuzzy logic based models for the multi-response surface problems with replicated response measures**
TÜRKŞEN Ö., Guler N.
APPLIED SOFT COMPUTING, vol.37, pp.887-896, 2015 (SCI-Expanded)
- XI. **Statistical inference for geometric process with the inverse Gaussian distribution**
Kara M., AYDOĞDU H., TÜRKŞEN Ö.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.85, no.16, pp.3206-3215, 2015 (SCI-Expanded)
- XII. **Comparison of multi-objective algorithms applied to feature selection**
TÜRKŞEN Ö., Vieira S. M., Madeira J. F. A., APAYDIN A., Sousa J. M. C.
Studies in Fuzziness and Soft Computing, vol.285, pp.359-375, 2013 (SCI-Expanded)
- XIII. **Quantum chemical studies of some amino acids on the corrosion of cobalt in sulfuric acid solution**
Gece G., Bilgic S., TÜRKŞEN Ö.
Materials and Corrosion, vol.61, no.2, pp.141-146, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Veri madenciliği yöntemleri ile bir melez sınıflandırma yaklaşımı ve uygulaması**
ULU METİN G., TÜRKŞEN Ö.
İstatistikçiler Dergisi: İstatistik ve Aktüerya, vol.16, no.2, pp.100-115, 2023 (Peer-Reviewed Journal)
- II. **Karma veri içeren çok yanıtli problemlerde NSGA-II'ye dayalı bir optimizasyon yaklaşımı**
KARAKOÇ G., TÜRKŞEN Ö.
İstatistikçiler Dergisi: İstatistik ve Aktüerya, vol.16, no.2, pp.57-80, 2023 (Peer-Reviewed Journal)
- III. **An adapted linear modeling method for interval-valued responses: Golden center and range method**
Türkşen Ö., Ulu Metin G.
Communications in Statistics Case Studies Data Analysis and Applications, vol.8, no.3, pp.463-483, 2022 (Scopus)
- IV. **Occupational Health and Safety Measures To Be Taken in the COVID-19 Pandemic**

BAYCIK G., Türkşen Ö., DINÇ I. C.

SOSYAL GÜVENLİK DERGİSİ, vol.11, no.1, pp.17-31, 2021 (Peer-Reviewed Journal)

- V. **A Comparison Analysis of Fuzzy and Bayesian Linear Model Parameter Estimates for Replicated Response Measures**
TÜRKŞEN Ö.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.1, pp.251-270, 2021 (ESCI)
- VI. **Optimization and Decision Making Stages for Analysis of Dual Response Problem: Median-MAD, NSGA-II, TOPSIS**
TÜRKŞEN Ö., KOCATÜRK A., KARAKOÇ G.
Eskişehir Technical University Journal of Science and Technology, vol.20, no.4, pp.458-473, 2019 (Peer-Reviewed Journal)
- VII. **An application of spatial statistics: Spatial analysis of simulated fault plane geodetic points**
TÜRKŞEN Ö.
Journal of Balıkesir University Institute of Science and Technology, vol.21, no.1, pp.81-93, 2019 (Peer-Reviewed Journal)
- VIII. **An application of fuzzy linear modeling: Prediction of uncertainty for beta-glucan content**
TÜRKŞEN Ö., ERTUNÇ S.
International Journal of Optimization and Control: Theories and Applications, vol.9, no.3, pp.45-51, 2019 (Scopus)
- IX. **Genetik-Simpleks Hibrit Algoritması İle Doğrusal Olmayan Regresyon Model Parametrelerinin Nokta Tahmini**
TÜRKŞEN Ö., AKGÜN F.
İstatistikçiler Dergisi: İstatistik ve Aktüerya, vol.2, pp.81-92, 2018 (Peer-Reviewed Journal)
- X. **A Fuzzy Modeling Approach for Replicated Response Measures Based on Fuzzification of Replications with Descriptive Statistics and Golden Ratio**
TÜRKŞEN Ö.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.1, pp.153-159, 2018 (Peer-Reviewed Journal)
- XI. **An application of Nelder-Mead heuristic-based hybrid algorithms: Estimation of compartment model parameters**
TÜRKŞEN Ö., TEZ M.
International Journal of Artificial Intelligence, vol.14, no.1, pp.112-129, 2016 (Scopus)
- XII. **An Application of Nelder Mead Heuristic based Hybrid Algorthms Estimation of Compartment Model Parameters**
TÜRKŞEN Ö., TEZ M.
International Journal of Artificial Intelligence, vol.14, no.1, pp.112-129, 2016 (Scopus)
- XIII. **Optimization of Saponification Process in Multi response Framework by using Desirability Function Approach**
TÜRKŞEN Ö., ERTUNÇ S.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.19, no.2, pp.141-149, 2015 (Peer-Reviewed Journal)
- XIV. **Multi objective Portfolio Optimization with NSGA II and Portfolio Selection by using TOPSIS Applied to Stock Market in Turkey**
TÜRKŞEN Ö., AÇIK KEMALOĞLU S., APAYDIN A.
Selçuk Journal of Applied Mathematics, vol.16, no.2, pp.3-12, 2015 (Peer-Reviewed Journal)
- XV. **Multi objective Portfolio Optimization with NSGA II and Portfolio Selection by using TOPSIS Applied to Turkey Stock Market**
TÜRKŞEN Ö., AÇIK KEMALOĞLU S., APAYDIN A.
Selçuk Journal of Applied Mathematics, vol.16, no.2, pp.3-12, 2015 (Peer-Reviewed Journal)
- XVI. **Optimization and Decision Making Stages for Multiple Responses: An Application of NSGA-II and FCM Clustering Algorithm**
TÜRKŞEN Ö.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.2, pp.321-330, 2015 (ESCI)

- XVII. **Estimation of Fault Plane Parameters by Using Stochastic Optimization Methods**
TÜRKŞEN Ö.
International Journal of Earthquake Engineering and Hazard Mitigation, vol.2, no.2, pp.61-66, 2014 (Peer-Reviewed Journal)
- XVIII. **Bulanık Çok Amaçlı Problemlerin Çözüm Kümesi İçin Bulanık TOPSIS Yöntemi İle Bir Karar Analizi Uygulaması Binh Kern Problemi**
TÜRKŞEN Ö., APAYDIN A.
Fırat Üniversitesi Fen Bilimleri Dergisi, vol.25, no.2, pp.137-146, 2013 (Peer-Reviewed Journal)
- XIX. **Evaluation of Fuzzy Pareto Solution Set by Using Fuzzy Relation Based Clustering Approach For Fuzzy Multi Response Experiments**
TÜRKŞEN Ö., APAYDIN A.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.17, no.1, pp.75-84, 2013 (Peer-Reviewed Journal)
- XX. **Estimating The Earthquake Source Parameters Simulated Annealing Versus Nelder Mead Simplex Algorithm**
TÜRKŞEN Ö., APAYDIN A.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.62, no.2, pp.53-66, 2013 (Peer-Reviewed Journal)
- XXI. **Bulanık Yaklaşım İle Çok Yanıtlı Yüzey Problemlerinin Modellenmesi ve Optimizasyonu**
TÜRKŞEN Ö., APAYDIN A.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi, vol.13, no.1, pp.65-79, 2012 (Peer-Reviewed Journal)
- XXII. **Doğrusal Olmayan Kısıtsız Fonksiyonların Tümel Minimum Değerlerinin Uyarlanmış Tavlama Benzetimi Yöntemi İle Elde Edilmesi**
APAYDIN A., TÜRKŞEN Ö.
Selçuk Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, vol.30, pp.1-15, 2007 (Peer-Reviewed Journal)
- XXIII. **Üniversite Öğrencilerinin Sigara Alışkanlığı Üzerine Bir Çalışma**
TÜRKŞEN Ö., ATAKAN C.
CUKUROVA UNIVERSITY FACULTY OF EDUCATION JOURNAL, vol.2, no.25, pp.101-103, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Veri Analizi ve Madenciliği**
TÜRKŞEN Ö.
Ankara Üniversitesi Yayınevi, Ankara, 2024
- II. **OPTİMİZASYON YÖNTEMLERİ ve MATLAB®, PYTHON, R UYGULAMALARI**
TÜRKŞEN Ö.
Nobel Yayınevi, Ankara, 2023
- III. **Ankara Üniversitesi'nde Eğitim: Düşünce Atölyesi**
ÜNÜVAR N., APAYDIN A., KUTLU Ö., VURAL M. R., TÜRKŞEN Ö., ARICA AKKÖK E.
Ankara Üniversitesi Yayınevi, 2023
- IV. **Türkşen Ö.**
in: İki Değişkenli Regresyon Analizi ve Korelasyon. İşletme, İktisat ve Sosyal Bilimler İçin İstatistik (Excel, SPSS, R ve Matlab Uygulamalı), Seda Şengül ve Gülsen Kırıl, Editor, Nobel Yayın Dağıtım, Ankara, pp.271-292, 2020
- V. **Statistical Inference for Two-Compartment Model Parameters with Bootstrap Method and Genetic Algorithm** January 2018
TÜRKŞEN Ö., TEZ M.
in: Trends and Perspectives in Linear Statistical Inference" (LinStat2016), Müjgan TEZ, Dietrich Von Rosen, Editor, springer, Cham, pp.241-257, 2018
- VI. **Regresyonda Grup Değişkenler, Parametrelerine Göre Doğrusal Olmayan Modeller**
Türkşen Ö., Doğan N., Emirmahmutoğlu F., Şahin A.

- in: Uygulamalı Regresyon Analizi, Yılmaz Akdi, Afşin Şahin, Editor, Nobel Yayınevi, Ankara, pp.1-648, 2016
- VII. **Parameter Estimation of Nonlinear Response Surface Models by Using Genetic Algorithm and Unscented Kalman Filter**
TÜRKŞEN Ö., KÖKSAL BABACAN E.
in: Chaos Complexity and Leadership 2014 Springer Proceedings in Complexity, Şefika Şule Erçetin, Editor, Springer, pp.393-401, 2016
- VIII. **A Modeling Approach Based on Fuzzy Least Squares Method for Multi-Response Experiments with Replicated Measures**
TÜRKŞEN Ö., APAYDIN A.
in: Chaos Complexity and Leadership 2012 Springer Proceedings in Complexity, Santo Banerjee, Şefika Şule Erçetin, Editor, Springer, pp.153-158, 2014
- IX. **Comparison of Multi-objective Algorithms Applied to Feature Selection**
TÜRKŞEN Ö., SUSANA V., JOSE M., APAYDIN A., JOAO S.
in: Towards Advanced Data Analysis by Combining Soft Computing and Statistics, CHRISTIAN BORGELT, MARIA ANGELES GİL, JOAO M.G. SOUSA, MICHEL VERLEYSEN, Editor, Springer, pp.359-375, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Çanakkale'deki Lisanslı Rüzgâr Enerji Santrallerinin Mekânsal İstatistiksel Analizi.**
BARTAN M. B., TÜRKŞEN Ö.
7th International Conference on Sustainable Science and Technology (ICSuSaT-2024), İstanbul, Turkey, 12 July 2024
- II. **Çanakkale'de Rüzgâr Enerji Santrali Kurulum Yerlerinin Mekânsal Analizi**
BARTAN M. B., TÜRKŞEN Ö.
V. Uluslararası Uygulamalı İstatistik Kongresi (UYİK-2024), İstanbul, Turkey, 21 - 23 May 2024
- III. **Veri Madenciliği ve Çok Ölçütlü Karar Verme Yöntemleri ile Bir Hibrit Sınıflandırma Yaklaşımı.**
ULU METİN G., TÜRKŞEN Ö.
V. Uluslararası Uygulamalı İstatistik Kongresi (UYİK-2024), İstanbul, Turkey, 21 May 2024, pp.331-340
- IV. **Türkiye'de Yer Alan Lisanslı Güneş Panellerine İlişkin Nokta Verilerinin Mekansal İstatistiklerle Analizi**
AYTAÇ CANKURTARAN G., TÜRKŞEN Ö.
V. Uluslararası Uygulamalı İstatistik Kongresi (UYİK-2024), Turkey, 21 - 23 May 2024
- V. **Aralık Değerli Veriler için Merkez ve Aralık Yöntemi ile Altın Orana Dayalı Doğrusal Bir Modelleme Yaklaşımı**
ULU METİN G., TÜRKŞEN Ö.
VII. INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, İstanbul, Turkey, 02 November 2023
- VI. **Analysis of Linearly Correlated Multi-Responses in Multi-Objective Perspective**
Tunçel S., Türkşen Ö.
8th IFS and Contemporary Mathematics Conference, Ankara, Turkey, 16 - 19 June 2022, pp.177
- VII. **Antalya İli'nde Orman Yangınlarının Mekânsal İstatistiksel Yöntemler ile Analizi**
Karabacak K., Bayar R., Türkşen Ö.
1st ISTANBUL INTERNATIONAL GEOGRAPHY CONGRESS, İstanbul, Turkey, 20 - 22 June 2019, pp.615-630
- VIII. **Spatial Statistical Analysis for Geodetic Points of a Simulated Fault Plane through Geographical Information Systems**
TÜRKŞEN Ö.
11th International Statistics Congress - ISC2019, Turkey, 4 - 08 October 2019, pp.432-441
- IX. **A Seemingly Unrelated Regression Modeling for Extraction Process in Green Chemistry**
TÜRKŞEN Ö., TUNCEL S., VURAL N.
y-BIS Conference 2019:Recent Advances in Data Science and Business Analytics, Turkey, 25 - 28 September 2019

- X. **Statistical and Fuzzy Modeling of Extraction Process in Green Chemistry**
VURAL N., TÜRKŞEN Ö.
y-BIS Conference 2019:Recent Advances in Data Science and Business Analytics, Turkey, 25 - 28 September 2019
- XI. **A Modeling Study for Discrete and Continuous Variables by Using Parametric and Nonparametric Regression Analysis**
Karakoç G., Türkşen Ö.
11th International Statistics Congress (ISC2019), Muğla, Turkey, 4 - 08 October 2019, pp.122
- XII. **A Statistical Characterization of a Simulated Earthquake Fault Plane Area by Using Spatial Statistics**
TÜRKŞEN Ö.
11. International Statistics Days Conference, 3 - 07 October 2018
- XIII. **A Dual Response Problem Based on Median and Median Absolute Deviation**
ÖZÇIRPAN G., KOCATÜRK A., ŞEN E., TÜRKŞEN Ö.
11. International Statistics Days Conference, 3 - 07 October 2018
- XIV. **An application of fuzzy nonlinear regression for replicated response measured data set**
TÜRKŞEN Ö.
International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2018), 20 - 24 August 2018
- XV. **A numerical approach for statistical inference of nonlinear regression model parameters**
TÜRKŞEN Ö., TEZ M.
29th European Conference on Operational Research (EURO18), Valencia, Spain, 8 - 11 July 2018
- XVI. **Interval Estimation of Beta-Glucan Content of Yeast by Using Fuzzy Least Squares Modeling Approach**
TÜRKŞEN Ö., ERTUNÇ S.
International Conference on Applied Mathematics in Engineering (ICAME 18), Balıkesir, Turkey, 27 - 29 June 2018, pp.105
- XVII. **A Nonlinear Modeling and Optimization Process: Obtaining Optimal Drying Conditions for Olive Leaves**
ERTUNÇ S., TÜRKŞEN Ö., Nilüfer V.
International Conference on Applied Mathematics in Engineering (ICAME 18), Balıkesir, Turkey, 27 - 29 June 2018, pp.106
- XVIII. **A Comparative Study for Fuzzification of the Replicated Response Measures: Standard Mean vs. Robust Median**
TÜRKŞEN Ö.
10th International Statistics Congress (ISC2017), 6 - 08 December 2017
- XIX. **An Application of Parameter Estimation with Genetic Algorithm for Replicated Response Measured Nonlinear Data Set: Modified Michaelis-Menten Model**
AKGÜN F., TÜRKŞEN Ö.
10th International Statistics Congress (ISC2017), 6 - 08 December 2017
- XX. **A Proposal Fuzzy Linear Modeling Approach Based on the Golden Ratio for Replicated Response Measures**
TÜRKŞEN Ö.
37th National Operations Research and Industrial Engineering Congress, Turkey, 5 - 07 July 2017
- XXI. **An Application of Multi-Objective Optimization Approach to Saponification Process**
TÜRKŞEN Ö., ERTUNÇ S.
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), 24 - 26 May 2017
- XXII. **Obtaining Point Estimates of Nonlinear Regression Model Parameters by Hybridization of Iterative and Direct Optimization Algorithms**
AKGÜN F., TÜRKŞEN Ö.
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), 24 May 2014 - 26 May 2017
- XXIII. **An Application of Multi-Objective Optimization Approach to Saponification Processes**

TÜRKŞEN Ö., ERTUNÇ S.

3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017, pp.236

- XXIV. **Inferences on Fuzzy Linear Model Parameter Estimates by Using Bootstrap Method for Replicated Response Measures**
TÜRKŞEN Ö.
International Workshop on Mathematical Methods in Engineering-MME, 27 - 29 April 2017
- XXV. **A Proper Method for Fuzzy Parameter Estimation of Linear Model with Replicated Response Measures**
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International Workshop on Mathematical Methods in Engineering-MME, 27 - 29 April 2017
- XXVI. **A Hybrid Compartment Model Approaches Based on Particle Swarm Optimization**
TÜRKŞEN Ö., EĞRİOĞLU E., TEZ M.
Xth International Statistics Days Conference, 7 - 09 October 2016
- XXVII. **Evaluation of Two Compartment Model Parameter Estimates through Bootstrap Method**
TÜRKŞEN Ö., TEZ M.
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- XXVIII. **Modeling of replicated response measures by using interval arithmetic**
SARICA B., TÜRKŞEN Ö., KAHRAMAN C.
The 10th Tartu Conference on Multivariate Statistics, 28 June - 01 July 2016
- XXIX. **Estimation of compartment model parameters by combining genetic algorithm and Jackknife method**
TÜRKŞEN Ö., TEZ M.
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- XXX. **Fuzzy Modeling for Replicated Response Measures by Using Type 2 Fuzzy Numbers**
TÜRKŞEN Ö., KOCADAĞLI O.
The 4th International Fuzzy Systems Symposium, 5 - 06 November 2015, pp.464-468
- XXXI. **Artificial Intelligence Optimization Methods Application in Compartment Models**
TÜRKŞEN Ö., TEZ M.
The Seventh International Conference on Mathematical Statistics (PROBASTAT 2015), 29 June - 03 July 2015
- XXXII. **Yanıt Yüzey Problemlerinin Optimizasyonunda Metasezgisel Yöntemler**
TÜRKŞEN Ö.
İstatistik ve Esnek Hesaplama Çalıştayı, Marmara Üniversitesi İstatistik Bölümü, Turkey, 20 - 22 January 2015
- XXXIII. **Optimization of Compartment Models by Using Metaheuristic Approaches**
TÜRKŞEN Ö., TEZ M.
International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT 2014), 24 - 28 August 2014, pp.79
- XXXIV. **Analysis of Response Surface Problems in Statistical and Fuzzy Framework**
TÜRKŞEN Ö.
Seminer (Karadeniz Teknik Üniversitesi Harita Mühendisliği Bölümü), 18 June 2014
- XXXV. **Parameter Estimation in Series Process with Inverse Gaussian Distribution**
KARA M., TÜRKŞEN Ö., AYDOĞDU H.
9th International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014
- XXXVI. **A Stepwise Analysis for Improvement of Beta- Glucan Production in Statistical Point of View**
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Kara M., Türkşen Ö., Aydoğdu H.
9th International Statistics Day Symposium (ISDS 2014), Antalya, Turkey, 10 - 14 May 2014, pp.56
- XXXVIII. **Modeling Optimizing and Decision Making Stages for Multi Response Problems in Case of Correlated Responses**
TÜRKŞEN Ö.

- 9th International Statistics Day Symposium (ISDS 2014), 10 - 14 May 2014, pp.40
- XXXIX. **Mixture of Marshall Olkin Bivariate Weibull and Block Basu Bivariate Weibull Distributions**
ÇALIŞ N., TÜRKAN A. H., TÜRKŞEN Ö.
9th International Statistics Day Symposium (ISDS 2014), 10 - 14 May 2014, pp.108
- XL. **A Stepwise Analysis for Improvement of Beta Glukan Production in Statistical Point of View**
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9th International Statistics Day Symposium (ISDS 2014), 10 - 14 May 2014, pp.7
- XLII. **Doğrusal Olmayan Yanıt Yüzey Problemlerinin Genetik Algoritma İle Optimizasyonu**
TÜRKŞEN Ö.
Seminer (Marmara Üniversitesi İstatistik Bölümü), Turkey, 26 March 2014
- XLII. **Estimation of Fault Plane Parameters by Using Stochastic Optimization Methods**
TÜRKŞEN Ö.
15th EU/ME Workshop Metaheuristics and Engineering, 24 - 25 March 2014, pp.71-76
- XLIII. **Parameter Estimation of Nonlinear Response Surface Models by Using Genetic Algorithm and Unscented Kalman Filter**
TÜRKŞEN Ö., KÖKSAL BABACAN E.
2nd International Symposium on Chaos, Complexity and Leadership, 17 - 19 December 2013
- XLIV. **Bulanık Kümelemeye Dayalı Yerel Regresyon ve Otoregresif Modellerin Öngörüsüne Uygulanması**
GÜLER DİNCER N., TÜRKŞEN Ö.
8. Uluslararası İstatistik Kongresi, 27 - 30 October 2013, pp.44-45
- XLV. **Uncertainty Assessment of the Response Surface Model Parameters with Bayesian and Fuzzy Approaches**
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8. Uluslararası İstatistik Kongresi, 27 - 30 October 2013, pp.113-114
- XLVI. **Modeling of Response Surfaces with Replicated Measures by Using Fuzzy Least Squares Regression and Switching Fuzzy C Regression**
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13th Annual ENBIS Conference, 15 - 19 September 2013, pp.44
- XLVII. **Poisson Regression Analysis in the Presence of Measurement Error**
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- XLVIII. **Parameter Estimation in Geometric Process with the Inverse Gaussian Distribution**
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- L. **Modeling and Optimization of Response Surface Problems in a Fuzzy Framework**
TÜRKŞEN Ö.
Seminer (Lizbon Üniversitesi İstatistik ve Yöneylem Araştırması Bölümü), 26 June 2013
- LI. **A Modeling Approach Based on Fuzzy Least Squares Method for Multi Response Experiments with Replicated Measures**
TÜRKŞEN Ö., APAYDIN A.
International Symposium on Chaos, Complexity and Leadership, 20 - 22 December 2012
- LII. **Multi objective portfolio optimization with Nondominated Sorting Genetic Algorithm II**
TÜRKŞEN Ö., AÇIK KEMALOĞLU S., APAYDIN A.
8th International Symposium of Statistics, 11 - 13 October 2012, pp.377-378
- LIII. **Performance metrics for the fuzzy modified multi objective algorithms**

- TÜRKŞEN Ö., APAYDIN A.
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- LIV. **Comparison of Multiobjective Algorithms Applied to Feature Selection**
TÜRKŞEN Ö.
The Final Conference of COST Action IC0702, ROMA, Italy, 19 - 20 March 2012
- LV. **Assessment of an insurance problem as a multi objective optimization problem**
APAYDIN A., TANK F., TÜRKŞEN Ö.
15th International Congress on Insurance: Mathematics and Economics-IME, 14 - 17 June 2011
- LVI. **Çok Yanıtlı Yüzey Problemlerinde Bulanık Pareto Çözümlerin Bulanık Karar Verme Yaklaşımı İle Değerlendirilmesi**
APAYDIN A., TÜRKŞEN Ö.
12th International Symposium on Econometrics Statistics and Operational Research ()12.EYİ, 26 - 29 May 2011, pp.70-81
- LVII. **Obtaining Fuzzy Pareto Solutions of Fuzzy Multiresponse Surface Problems with Nondominated Sorting Genetic Algorithm II**
APAYDIN A., TÜRKŞEN Ö.
7. Uluslararası İstatistik Kongresi, İSTKON 7, 28 April - 01 May 2011, pp.200-201
- LVIII. **Multi objective approaches for feature selection problems**
TÜRKŞEN Ö.
Seminer (Lizbon Teknik Üniversitesi Makine Mühendisliği Bölümü), 29 July 2010
- LIX. **Multi objective optimization of feature selection problems using fuzzy models**
TÜRKŞEN Ö., VIEIRA S., JOAO MIGUEL DA COSTA S., APAYDIN A.
24th European Conference on Operational Research (EURO XXIV), 11 - 14 July 2010, pp.82
- LX. **Tavlama Benzetimi Yöntemi İle Çok Yanıtlı Problemlerin Optimizasyonu**
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6. İstatistik Kongresi, Turkey, 29 April - 03 May 2009, pp.531-535
- LXI. **Kalite Gelistirme Dual Yanıt Yüzey Analizine Tavlama Benzetimi Yaklaşımı**
TÜRKŞEN Ö., KÖKSOY O., APAYDIN A.
6. İstatistik Sempozyumu, Turkey, 28 - 30 August 2008, pp.214-220
- LXII. **Uyarlanmış Tavlama Benzetimi Yöntemi İle Doğrusal Olmayan Fonksiyonların Çözümüne Sezgisel Yaklaşım**
APAYDIN A., TÜRKŞEN Ö.
5. İstatistik Kongresi ve Risk Ölçüleri ve Yükümlülük Toplantısı, Turkey, 20 - 24 May 2007, pp.122-123
- LXIII. **Yüzey Ölçümleri İle Deprem Kaynak Parametrelerinin Tahmininde Doğrusal Olmayan Optimizasyon Yöntemlerinin Etkinliği**
APAYDIN A., TÜRKŞEN Ö.
4. İstatistik Kongresi, Turkey, 8 - 12 May 2005, pp.334-335

Supported Projects

Türkşen Ö., Snağ A., TUBITAK Project, Biyoyağın Bileşimindeki Oksijenli Bileşiklerin Giderimi İçin Yeni Tip Trimetalik W₀xZrO₂ Destekli Katalizör Sentezi ve Uygulamaları, 2021 - 2022

Türkşen Ö., Project Supported by Higher Education Institutions, Çok Yanıtlı Deneysel Verilerin Görünüşte İlişkisiz Regresyon Analizi ile Modellenmesi ve Optimal Değişken Değerlerinin Belirlenmesi, 2021 - 2022

Ünüvar N., Türkşen Ö., Project Supported by Other Official Institutions, Kadına Yönelik Şiddetin Suç Failleri Üzerinden Araştırılması İş Birliği Protokolü, 2021 - 2022

Snağ A., Türkşen Ö., Donar Y. O., TUBITAK Project, Biyoyağın Bileşimindeki Oksijenli Bileşiklerin Giderimi İçin Yeni Tip Trimetalik W₀xZrO₂ Destekli Katalizör Sentezi Ve Uygulamaları, 2019 - 2022

Türkşen Ö., Bysgrup T. K., EU Supported Other Project, Adli İstatistiklerin Kapasitesinin ve Kalitesinin Artırılması İçin Teknik Destek Projesi, 2019 - 2022

Türkşen Ö., Baycık G., TUBITAK Project, Covid-19 Salgini Sirasinda Ve Sonrasinda Is Sagligi Ve Güvenligi Ile Salginin Ivme Kazandiracagi Yeni Çalışma Modelleri, 2020 - 2021
Türkşen Ö., Tez M., TUBITAK Project, Otokorelasyonlu Hata Terimleri İçin Genişletilmiş Kompattıman Modellerde Yapay Zeka Optimizasyon Algoritmaları ile Parametre Tahmini, 2016 - 2017
Türkşen Ö., Miguel De Costa Sousa J., EU Supported Other Project, COST Action IC0702 - Combining Soft Computing Techniques and Statistical Methods to Improve Data Analysis Solutions, 2009 - 2012

Activities in Scientific Journals

Journal of Business Administration and Social Studies, Advisory Committee Member, 2021 - Continues
İstatistikçiler Dergisi: İstatistik ve Aktüerya, Advisory Committee Member, 2018 - Continues
JOURNAL OF APPLIED STATISTICS, Special Issue Editor, 2019 - 2021

Memberships / Tasks in Scientific Organizations

Yöneylem Araştırması Derneği, Member, 2017 - Continues, Turkey
Türk İstatistik Derneği, Board Member, 2018 - 2022, Turkey

Scientific Refereeing

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, November 2022
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ankara University, Turkey, July 2022

Scientific Consultations

Marmara Üniversitesi Fen Fakültesi, Scientific Consultancy, Ankara University, Fen Fakültesi, İstatistik Bölümü, Turkey, 2022 - Continues
Gazi Üniversitesi Fen Fakültesi, Scientific Consultancy, Ankara University, Fen Fakültesi, İstatistik Bölümü, Turkey, 2021 - Continues

Tasks In Event Organizations

Türkşen Ö., 11th International Statistics Congress (ISC2019), Scientific Congress, Muğla, Turkey, Ekim 2019
Türkşen Ö., Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics (YBIS2019), Workshop Organization, İstanbul, Turkey, Eylül 2019
Yalçınkaya A., TÜRKŞEN Ö., International 16th Statistics Students Colloquia, Student Club and Community Activity, Ankara, Turkey, Nisan 2019
Türkşen Ö., 11th International Statistics Days Conference (ISDC2018), Scientific Congress, Muğla, Turkey, Ekim 2018
Türkşen Ö., 10th International Statistics Congress (ISC2017), Scientific Congress, Ankara, Turkey, Aralık 2017
Türkşen Ö., • International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016), Scientific Congress, İstanbul, Turkey, Ağustos 2016
Açık Kemaloğlu S., Türkşen Ö., • International Workshop in Honor of Professor Ömer L. Gebizlioğlu on his 60th Birth Anniversary and his Retirement, Workshop Organization, Ankara, Turkey, Haziran 2012

Metrics

Publication: 108
Citation (WoS): 44
Citation (Scopus): 106
H-Index (WoS): 4
H-Index (Scopus): 6

Invited Talks

Mekansal Veri Biliminde Mekansal İstatistik, Conference, V. Uluslararası Uygulamalı İstatistik Kongresi, Turkey, May 2024
Optimizasyon Yöntemleri ve Python Uygulamaları, Conference, V. Uluslararası Uygulamalı İstatistik Kongresi, Turkey, May 2024
Python ile Optimizasyon, Seminar, Selçuk Üniversitesi, Turkey, May 2024
5237 sayılı Türk Ceza Kanununun 191. Maddesi Kapsamında Suç İşleyen Sanıkların Suç Mükerrerliklerine İlişkin Kategorik Verilerinin İstatistiksel Yöntemler ve Makine Öğrenmesi Algoritmaları ile Analizi, Conference, Adli İstatistiklerin Kapasitesinin ve Kalitesinin Artırılması Teknik Destek Projesi Proje Kapanış Etkinliği ve Uluslararası Adli İstatistik Konferansı, Turkey, September 2022
Research Data Management, Seminar, Ankara Üniversitesi, Turkey, November 2019
Soft Computing Based Optimization Tools: Metaheuristics, Seminar, Lizbon Üniversitesi Ekonomi ve İşletme Fakültesi Matematik Bölümü, Portugal, June 2019
Ankara Üniversitesi Lisans Programları Süreç Değerlendirme Sonuçları, Workshop, Ankara Üniversitesi, Turkey, April 2019
A Fuzzy Nonlinear Regression Model: L2 Norm Estimation with Genetic Algorithm by Using Type-2 Fuzzy Numbers, Workshop, Marmara Üniversitesi, Turkey, September 2017
Evaluation of Compartment Model Parameters with Statistical Perspective in Pharmacokinetic Area, Seminar, Acıbadem Mehmet Ali Aydınlar Üniversitesi, Turkey, November 2016
Yanıt Yüzey Problemlerinin Optimizasyonunda Metasezgisel Yöntemler, Workshop, Marmara Üniversitesi, Turkey, January 2015
Analysis of Response Surface Problems in Statistical and Fuzzy Framework, Seminar, Karadeniz Teknik Üniversitesi, Turkey, July 2014
Doğrusal Olmayan Yanıt Yüzey Problemlerinin Genetik Algoritma İle Optimizasyonu, Seminar, Marmara Üniversitesi, Turkey, March 2014
Modeling and Optimization of Response Surface Problems in a Fuzzy Framework, Seminar, Lizbon Üniversitesi İstatistik ve Yöneylem Araştırması Bölümü, Portugal, June 2013
Multi-objective approaches for feature selection problems, Seminar, Lizbon Teknik Üniversitesi Makine Mühendisliği Bölümü, Portugal, July 2010
Parametre Tahmininde Sezgisel Yöntemler, Seminar, Ankara Üniversitesi, Turkey, May 2007
Yüzey Ölçümleri İle Deprem Kaynak Parametrelerinin Tahmininde Doğrusal Olmayan Optimizasyon Yöntemlerinin Etkinliği, Seminar, Ankara Üniversitesi, Turkey, May 2004

Scholarships

2218-Yurt İçi Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2016 - 2017
COST Kısa Dönem Araştırma Bursu, European Commission, 2011 - 2011
2214-A Yurt Dışı Araştırma Burs Programı (Doktora öğrencileri için), TÜBİTAK, 2010 - 2010