

## Assoc. Prof. DENİZ ÖZONUR

### Personal Information

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### International Researcher IDs

ScholarID: ZKSMX-EAAAAJ

ORCID: 0000-0002-7622-1008

Publons / Web Of Science ResearcherID: AHE-7442-2022

ScopusID: 55890425400

Yoksis Researcher ID: 46143

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, İstatistik (Dr), Turkey 2011 - 2017

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), Turkey 2009 - 2011

Undergraduate Double Major, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey 2006 - 2010

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2005 - 2009

### Dissertations

Doctorate, Bazı istatistiksel modeller için Smooth uyum iyiliği testleri, Gazi University, Fen Bilimleri Enstitüsü, 2017

Postgraduate, Karma regresyon tahmin edicileri, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 2011

### Research Areas

Statistical Analysis and Applications

### Academic Titles / Tasks

Associate Professor, Gazi University, Fen Fakültesi, İstatistik, 2023 - Continues

Assistant Professor, Gazi University, Fen Fakültesi, İstatistik, 2021 - 2023

Research Assistant PhD, Gazi University, Fen Fakültesi, İstatistik, 2017 - 2021

Research Assistant, Gazi University, Fen Fakültesi, İstatistik, 2011 - 2017

### Academic and Administrative Experience

Orhun Değişim Programı Koordinatörü, Gazi University, Fen Fakültesi, İstatistik, 2022 - Continues

Erasmus Coordinator, Gazi University, Fen Fakültesi, İstatistik, 2021 - Continues

Bölüm Kalite Komisyonu Üyesi, Gazi University, Fen Fakültesi, İstatistik, 2021 - Continues

Fen Fakültesi Ölçme Değerlendirme ve Geliştirme Komisyonu Üye, Gazi University, Fen Fakültesi, 2020 - Continues

## Courses

Python Programlamaya Giriş, Undergraduate, 2021 - 2022  
Üniversite Yaşamına Geçiş, Undergraduate, 2021 - 2022  
BİYOİSTATİSTİK, Undergraduate, 2017 - 2018  
İSTATİSTİK, Undergraduate, 2017 - 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Study of a bounded interval perks distribution with quantile regression analysis**  
Al-Essa L. A., Shafiq S., ÖZONUR D., Jamal F.  
Statistical Analysis and Data Mining, vol.17, no.1, 2024 (SCI-Expanded)
- II. **Spatiotemporal of Particulate Matter (PM<sub>2.5</sub>) and Ozone (O<sub>3</sub>) in Eastern Northeast Brazil**  
de Souza A., ÖZONUR D., de Medeiros E. S., Pobocikova I., de Oliveira-Júnior J. F., Zenteno Jimenez J. r., Cardoso K. R. A., Abreu M. C., Pansera W. A., Cavazzana G. H.  
Ozone: Science and Engineering, 2024 (SCI-Expanded)
- III. **Jensen-discrete information generating function with an application to image processing**  
Kharazmi O., Balakrishnan N., ÖZONUR D.  
Soft Computing, vol.27, no.8, pp.4543-4552, 2023 (SCI-Expanded)
- IV. **Testing distributional assumption of unit-Lindley regression model**  
ÖZONUR D.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.3, pp.882-899, 2022 (SCI-Expanded)
- V. **Goodness of fit tests of the two-parameter gamma distribution against the three-parameter generalized gamma distribution**  
ÖZONUR D., Paul S.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.51, pp.687-697, 2020 (SCI-Expanded)
- VI. **An adaptation of pseudo-score confidence interval method for linear mixed models**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.2, pp.902-913, 2020 (SCI-Expanded)
- VII. **Statistical Behavior of O-3, O-X, NO, NO<sub>2</sub>, and NO<sub>x</sub> in Urban Environment**  
de Souza A., ÖZONUR D.  
OZONE-SCIENCE & ENGINEERING, vol.42, no.1, pp.66-78, 2019 (SCI-Expanded)
- VIII. **Comparisons of tests of distributional assumption in Poisson regression model**  
ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.8, pp.6197-6207, 2017 (SCI-Expanded)
- IX. **Goodness of fit tests for Nakagami distribution based on smooth tests**  
ÖZONUR D., GÖKPINAR F., GÖKPINAR E., BAYRAK H.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.45, no.7, pp.1876-1886, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Dynamic monitoring of tropospheric ozone concentrations in northeast and Midwest Brazil: insights into seasonal variations and climatic influences**  
De Souza A., De Medeiros E. S., Özonur D., De Oliveirajúnior O. F., Carvalho Abreu M., Pobocikova I.

- International Journal of Engineering & Technology, vol.13, no.2, 2024 (Scopus)
- II. **Evaluating the Goodness of Fit of Generalized Nakagami Distribution**  
Özonur D.  
Cumhuriyet Science Journal, vol.44, no.1, pp.229-235, 2023 (Peer-Reviewed Journal)
- III. **Statistical analysis of monthly rainfall in Central West Brazil using probability distributions**  
ÖZONUR D., Pobocikova I., de Souza A.  
MODELING EARTH SYSTEMS AND ENVIRONMENT, vol.7, no.3, pp.1979-1989, 2021 (ESCI)
- IV. **Temel Bileşenler Analizi ve Yanıt Yüzey Yöntemi kullanılarak Gıda Sektöründe Çoklu Yanıtların Optimizasyonu.**  
Özonur D., Kılıç D., Akdur H. T. K., Bayrak H.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.2, pp.734-744, 2019 (Peer-Reviewed Journal)
- V. **Weibull distribution parameters estimate analysis for wind speed in Campo Grande-MS**  
De Souza A., De Oliveira S. S., Özonur D.  
Journal of Environmental Analysis and Progress, vol.4, no.3, pp.168-179, 2019 (Peer-Reviewed Journal)
- VI. **Comparison of Rank-Based Tests for Ordered Alternative Hypotheses in Randomized Complete Block Designs**  
AKDUR H. T. K., ÖZONUR D., Gul H. H., BAYRAK H.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.2, pp.705-716, 2019 (ESCI)
- VII. **PROBABILITY DISTRIBUTIONS OF WIND SPEED IN THE CAMPO GRANDE, MS, BRAZIL.**  
de Souza A., BOUZAHIR H., TIZGUI I., GUEZAR F. E., ÖZONUR D.  
Revista Brasileira de Climatologia, vol.25, 2019 (Peer-Reviewed Journal)
- VIII. **Optimal Asymptotic tests for Nakagami Distribution**  
ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
Süleyman Demirel University Journal of Natural and Applied Sciences, vol.22, pp.487-492, 2018 (Peer-Reviewed Journal)
- IX. **A comparasion of confidence interval methods of fixed effect in nested error regression model**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
SDU Journal of Natural and Applied Science, vol.20, no.2, pp.167-175, 2016 (Peer-Reviewed Journal)
- X. **Permutation Test Approach for Ordered Alternatives in Randomized Complete Block Design: A Comparative Study**  
GÖKPINAR E., GÜL H. H., GÖKPINAR F., BAYRAK H., ÖZONUR D.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.27, no.1, pp.645-651, 2014 (Scopus)
- XI. **Comparisons of the Goodness of Fit Tests for the Geometric Distribution**  
Özonur D., Gökpınar E., Gökpınar F., Bayrak H., Gül H. H.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.26, no.3, pp.369-375, 2013 (Scopus)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Examination of Hotel Reviews Using Text Mining and Natural Language Processing Methods**  
Balaban O. E., Özonur D.  
V. INTERNATIONAL APPLIED STATISTICS CONGRESS, İstanbul, Turkey, 21 May 2024
- II. **A research on customer relationship management in the retail industry**  
Yıldırım A. R., Özonur D.  
IV. International Applied Statistics Congress (UYİK – 2023), Sarajevo, Bosnia And Herzegovina, 26 - 29 September 2023, pp.1-2
- III. **Makine Öğrenmesi Yaklaşımı Kullanılarak Obezite Verilerinin Ridge Regresyon ile Tahmin Edilmesi**  
Ünsal M. G., Özonur D., Kasap R.  
1. Uluslararası Sağlık Bilimlerinde Multidisipliner Çalışmalar Kongresi, İstanbul, Turkey, 3 - 05 June 2020, pp.76-80
- IV. **New Goodness of Fit Tests for Unit-Lindley Regression Model.**  
ÖZONUR D.

11.th International Statistics Congress- ISC2019 04-08 Ekim 2019 Bodrum, Muğla, 4 - 08 October 2019

- V. **An application of Smooth Goodness of fit tests for Gamma Response Model**  
ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
International conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.759-760
- VI. **Performance of Goodness of Fit Tests of Nakagami Distribution against Generalized Nakagami Distribution**  
ÖZONUR D.  
International Conference on Mathematics and Mathematics Education (ICMME-2018), Turkey, 27 - 29 June 2018, pp.798-799
- VII. **A Comparison of Page and Jonckheere Tests for Repeated Measures in Randomized Block Designs**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
4.international researchers,statiscians and young statisticians congress, 28 - 30 April 2018
- VIII. **Optimization of Multiple Responses using Principal Componenet Analysis and Response Surface Method for an Experimental Design**  
Kılıç D., ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
4.İnternational Researchers,Statisticians and Young Statisticians, İzmir, Turkey, 28 - 30 April 2018, vol.1
- IX. **A Comparison of Goodness of Fit Tests of Rayleigh Distribution Against Nakagami Distribution**  
Özonur D., Akdur H. T. K., Bayrak H.  
10. ISC 2017 International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.107
- X. **Covariance Patterns for Linear Mixed Models**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
19.Ulusal ve 2.Uluslararası Biyoistatistik Kongresi, Antalya, Turkey, 25 - 28 September 2017
- XI. **Rank-Based Nonparametric Tests for Ordered Alternatives with Randomized Complete Block Design**  
AKDUR H. T. K., GÜL H. H., ÖZONUR D., BAYRAK H.  
IRSYSC 2017 – 3RD INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, 24 - 26 May 2017
- XII. **RANK BASED NONPARAMETRIC TESTS FOR ORDERED ALTERNATİVES WİTH RANDOMİZED COMPLETE BLOCK DESİGN**  
AKDUR H. T. K., GÜL H. H., ÖZONUR D., BAYRAK H.  
IRSYSC 2017, 24 - 26 May 2017
- XIII. **A New Confidence Interval Method for Linear Mixed Models**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
10th International Statistics Days Conference,Giresun, 7 - 09 October 2016
- XIV. **GAMMA DAĞILIMINA SAHİP YANIT DEĞİŞKENLİ MODEL İÇİN SMOOTH TESTLER**  
ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
17th International Symposium on Econometrics, 2 - 04 June 2016
- XV. **Smooth Tests for Inverse Gaussian Response Model**  
ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
Second International Researchers, Statisticians, and Young Statisticians Congress (2nd IRSYSC-2016), 4 - 08 May 2016
- XVI. **Confidence Interval Methods for Fixed Effect Parameter of Random Intercept Model**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
Second International Researchers-Statisticians and Young Statisticians Congress, 4 - 08 May 2016
- XVII. **Confidence Interval Methods of Fixed Effects in Mixed Models A Comparison Study**  
AKDUR H. T. K., ÖZONUR D., BAYRAK H.  
Joint Statistical MEetings, 8 - 13 August 2015
- XVIII. **A Comparison Study on Distributional Assumption Tests for Poisson Regression Model**  
ÖZONUR D., AKDUR H. T. K., BAYRAK H.  
Joint Statistical Meetings, 8 - 13 August 2015
- XIX. **Comparison of Goodness of Fit Tests for Poisson Regression Model**

ÖZONUR D., AKDUR H. T. K., BAYRAK H.

16th International Symposium on Econometrics, Operations Research and Statistics, 11 - 15 May 2015

**XX. A Comparison of Confidence Interval Methods for Fixed Effects in Linear Mixed Models**

AKDUR H. T. K., ÖZONUR D., BAYRAK H.

16th International Symposium on Econometrics, Operations Research and Statistics, 11 - 15 May 2015

**XXI. A Comparison of Two Distribution Free Test for Longitudinal Data of Randomized Blocks with a Prior Knowledge of Alternative Hypothesis**

AKDUR H. T. K., GÖKPINAR F., BAYRAK H., ÖZONUR D.

3rd International Eurasian Conference on Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 August 2014

**XXII. Nakagami dağılımı için Smooth Testler**

ÖZONUR D., GÖKPINAR E., GÖKPINAR F., BAYRAK H.

12. Matematik Sempozyumu, Turkey, 15 - 17 May 2013

**XXIII. A Study On Goodness of Fit Tests for Geometric Distribution**

ÖZONUR D., GÖKPINAR E., GÖKPINAR F., BAYRAK H.

8th International Symposium of Statistics, 15 - 17 May 2012

**XXIV. A Comparative Study Of Tests For Ordered Alternatives İn A Randomized Block Design**

GÜL H. H., GÖKPINAR E., BAYRAK H., GÖKPINAR F., ÖZONUR D.

8th International Symposium of Statistics, 15 - 17 May 2012

## Scientific Refereeing

Scientific Journal of Mehmet Akif Ersoy University, National Scientific Refreed Journal, January 2023

Journal of Statistics Applications and Probability, Other Indexed Journal, January 2023

Acta Scientiarum. Technology, Journal Indexed in SCI-E, December 2022

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, March 2022

GAZI UNIVERSITY JOURNAL OF SCIENCE, Other Indexed Journal, May 2018

APPLIED MATHEMATICAL MODELLING, Journal Indexed in SCI-E, November 2014

## Metrics

Publication: 45

Citation (WoS): 16

Citation (Scopus): 13

H-Index (WoS): 3

H-Index (Scopus): 3

## Scholarships

2211/A Yurt İçi Doktora Bursu, TÜBİTAK, TUBİTAK, 2011 - 2017

2214/A Yurt Dışı Doktora Sırası Araştırma Bursu (KANADA), TUBİTAK, 2015 - 2015

2210/A Yurt İçi Yüksek Lisans Bursu, TÜBİTAK, TUBİTAK, 2010 - 2011