

## Prof. GAMZE ÖZEL KADILAR

### Personal Information

**Office Phone:** [+90 312 780 7765](tel:+903127807765)

**Email:** [gamzeozl@hacettepe.edu.tr](mailto:gamzeozl@hacettepe.edu.tr)

**Other Email:** [gamzeozl@gmail.com](mailto:gamzeozl@gmail.com)

**Web:** <http://yunus.hacettepe.edu.tr/~gamzeozl/>

**Address:** Department of Statistics, Hacettepe University Beytepe Ankara Turkey



### International Researcher IDs

ORCID: 0000-0003-3886-3074

Publons / Web Of Science ResearcherID: E-6355-2013

ScopusID: 23470430800

Yoksis Researcher ID: 169867

### Education Information

Doctorate, Hacettepe University, Fen Fakültesi, İstatistik, Turkey 2005 - 2009

Postgraduate, Hacettepe University, Fen Fakültesi, İstatistik, Turkey 2002 - 2005

Undergraduate, Hacettepe University, Fen Fakültesi, İstatistik, Turkey 1997 - 2002

### Certificates, Courses and Trainings

Environment and Sustainability, Workshop on Limits to Diversity Assembly, International Center of Theoretical Physics, 2021

Environment and Sustainability, Winter School on Quantitative Systems Biology: Quantitative Approaches in Ecosystem Ecology, International Center of Theoretical Physics, 2020

Data Analysis, Advance School on Life Sciences and Statistics, International Centre for Theoretical Physics, 2007

### Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Stochastic Modeling, Simulation, Mathematics, Computer Science, Statistics, Mathematics Education, Probability Theory, Stochastic Processes, Statistics, Statistical Analysis and Applications, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2020 - Continues

Associate Professor, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2013 - 2020

Assistant Professor, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2012 - 2013

Lecturer PhD, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2011 - 2012

Research Assistant, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, 2002 - 2010

## Courses

VBL625 Financial Data Analysis, Postgraduate, 2024 - 2025  
Information Theory, Postgraduate, 2020 - 2021  
Stochastic Processes, Undergraduate, 2020 - 2021  
Stochastic Processes, Postgraduate, 2020 - 2021  
Financial Stochastic Modelling, Undergraduate, 2020 - 2021  
Distribution Theory, Doctorate, 2020 - 2021

## Advising Theses

Özel Kadılar G., Efficiency evaluation of technology development zones with statistical methods, Postgraduate, N.YAHŞI(Student), 2019  
Özel Kadılar G., Generalized Weibull Distributions, Postgraduate, A.SABRİ(Student), 2019  
Özel Kadılar G., A Study on Generalized Probability Distributions, Doctorate, S.ÇAKMAKYAPAN(Student), 2017  
Özel Kadılar G., Markov models in patients with bladder cancer, Postgraduate, A.BAYRAKLI(Student), 2017  
Özel Kadılar G., Dependent compound poisson processes based on homogeneous poisson processes with general effect, Postgraduate, T.GÜNEYLİGİL(Student), 2014

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

- I. **Earthquake magnitude prediction in Turkey: a comparative study of deep learning methods, ARIMA and singular spectrum analysis**  
ÖNCEL ÇEKİM H., KARAKAVAK H. N., ÖZEL KADILAR G., Tekin S.  
Environmental Earth Sciences, vol.82, no.16, 2023 (SCI-Expanded)
- II. **A Markov chain approach for earthquake sequencing in the Aegean Graben system of Turkey**  
Ünal C., Özel G., Eroglu Azak T.  
Earth Science Informatics, vol.16, no.2, pp.1227-1239, 2023 (SCI-Expanded)
- III. **Prediction of the earthquake magnitude by time series methods along the East Anatolian Fault, Turkey**  
ÖNCEL ÇEKİM H., Tekin S., ÖZEL KADILAR G.  
EARTH SCIENCE INFORMATICS, vol.14, no.3, pp.1339-1348, 2021 (SCI-Expanded)
- IV. **A modification in generalized classes of distributions: A new Topp-Leone class as an example**  
Ali Z., Ali A., Ozel G.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.50, no.19, pp.4548-4570, 2021 (SCI-Expanded)
- V. **Parametric and non-parametric estimation of extreme earthquake event: the joint tail inference for mainshocks and aftershocks**  
Cai J., Wan P., ÖZEL KADILAR G.  
EXTREMES, vol.24, no.2, pp.199-214, 2021 (SCI-Expanded)
- VI. **A novel approach for predicting burned forest area**  
ÖNCEL ÇEKİM H., Guney C. O., ŞENTÜRK Ö., ÖZEL KADILAR G., Ozkan K.  
NATURAL HAZARDS, vol.105, no.2, pp.2187-2201, 2021 (SCI-Expanded)
- VII. **The family of the bivariate integer-valued autoregressive process (BINAR(1)) with Poisson-Lindley (PL) innovations**  
Khan N. M., ÖNCEL ÇEKİM H., Ozel G.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.90, no.4, pp.624-637, 2020 (SCI-Expanded)
- VIII. **Application of Mixed Sampling to Real Life Data: A Case Study on Socio-Economic Determinants by Using SEM and CFA Techniques**  
Shah M. A. A., Mashwani W. K., Kumam W., Kumam P., Chesneau C., Jamal F., Ozel G., Sleem H. S., Khan H. U.

MATHEMATICS, vol.8, no.3, 2020 (SCI-Expanded)

- IX. **Generalized inverted Kumaraswamy generated family of distributions: theory and applications**  
Jamal F., Nasir M. A., Ozel G., Elgarhy M., Khan N. M.  
JOURNAL OF APPLIED STATISTICS, vol.46, no.16, pp.2927-2944, 2019 (SCI-Expanded)
- X. **Conditional ASGT-GARCH Approach to Value-at-Risk**  
Altun E., Tatlidil H., Ozel G.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.43, pp.239-247, 2019 (SCI-Expanded)
- XI. **A new uniform distribution with bathtub-shaped failure rate with simulation and application**  
abbasi j., khaleel m., Abdalhammed M. K., Loh Y. F., ÖZEL KADILAR G.  
MATHEMATICAL SCIENCES, vol.13, pp.104-114, 2019 (SCI-Expanded)
- XII. **Value-at-risk estimation with new skew extension of generalized normal distribution**  
Altun E., Tatlidil H., Ozel G.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.48, no.14, pp.3663-3681, 2019 (SCI-Expanded)
- XIII. **The Lindley Weibull Distribution: properties and applications**  
gauss C., Affify A., Haitham Y., ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
Anais da Academia Brasileira de Ciências, vol.90, no.3, pp.2579-2598, 2018 (SCI-Expanded)
- XIV. **A Jackknifed estimators for the negative binomial regression model**  
TÜRKAN S., Ozel G.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.47, no.6, pp.1845-1865, 2018 (SCI-Expanded)
- XV. **A new generalization of skew-T distribution with volatility models**  
Altun E., Tatlidil H., Ozel G., Nadarajah S.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.88, no.7, pp.1252-1272, 2018 (SCI-Expanded)
- XVI. **The complementary geometric transmuted-G family of distributions: model, properties and application**  
Affify A. Z., Cordeiro G. M., Nadarajah S., Yousof H., Ozel G., Nofal Z. M., Altun E.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.47, no.5, pp.1348-1374, 2018 (SCI-Expanded)
- XVII. **The Lindley family of distributions: properties and applications**  
Cakmakyapan S., Ozel G.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.6, pp.1113-1137, 2017 (SCI-Expanded)
- XVIII. **Efficiency of State Universities in Turkey During the 2014-2015 Academic Year and Determination of Factors Affecting Efficiency**  
TÜRKAN S., Ozel G.  
EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.42, no.191, pp.307-322, 2017 (SSCI)
- XIX. **The generalized odd log-logistic family of distributions: properties, regression models and applications**  
CORDEIRO G., ALIZADEH M., Ozel G., HOSSEINI B., Marcos Ortega E. M., Altun E.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.87, no.5, pp.908-932, 2017 (SCI-Expanded)
- XX. **FORECASTING VALUE-AT-RISK WITH TWO-STEP METHOD: GARCH-EXPONENTIATED ODD LOG-LOGISTIC NORMAL MODEL**  
Altun E., Alizadeh M., Ozel G., Tatlidil H., Maksayi N.  
ROMANIAN JOURNAL OF ECONOMIC FORECASTING, vol.20, no.4, pp.97-115, 2017 (SSCI)
- XXI. **A new generalized odd log-logistic family of distributions**  
HAGHBİN H., Ozel G., ALIZADEH M., Hamedani G. G.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.20, pp.9897-9920, 2017 (SCI-Expanded)
- XXII. **Odd Burr Lindley distribution with properties and applications**  
Altun G., Alizadeh M., Altun E., Ozel G.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.2, pp.255-276, 2017 (SCI-Expanded)
- XXIII. **The exponentiated Kumaraswamy-power function distribution**  
BURSA N., Ozel G.

- HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.2, pp.277-292, 2017 (SCI-Expanded)
- XXIV. **The odd log-logistic Lindley Poisson model for lifetime data**  
 Ozel G., ALİZADEH M., Cakmakyapan S., Hamedani G. G., Ortega E. M. M., Cancho V. G.  
 COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.8, pp.6513-6537, 2017 (SCI-Expanded)
- XXV. **Assessing the influence of climate change characteristics on the rainfall duration of Turkey**  
 Tutkun N., Ozel G.  
 NATURAL HAZARDS, vol.84, no.3, pp.2265-2277, 2016 (SCI-Expanded)
- XXVI. **The Kumaraswamy exponential-Weibull distribution: theory and applications**  
 Cordeiro G. M., Saboor A., Khan M. N., Ozel G., Pascoa M. A. R.  
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.45, no.4, pp.1203-1229, 2016 (SCI-Expanded)
- XXVII. **Effect of driver, roadway, collision, and vehicle characteristics on crash severity: a conditional logistic regression approach**  
 ÖZEL KADILAR G.  
 INTERNATIONAL JOURNAL OF INJURY CONTROL AND SAFETY PROMOTION, vol.23, no.2, pp.135-144, 2016 (SSCI)
- XXVIII. **A New Modified Jackknifed Estimator for the Poisson Regression Model**  
 TÜRKAN S., ÖZEL KADILAR G.  
 Journal Of Applied Statistics, vol.43, pp.1892-1905, 2016 (SCI-Expanded)
- XXIX. **A new approach to the prediction of PM10 concentrations in Central Anatolia Region, Turkey**  
 Ozel G., Cakmakyapan S.  
 ATMOSPHERIC POLLUTION RESEARCH, vol.6, no.5, pp.735-741, 2015 (SCI-Expanded)
- XXX. **Efficiency Analysis of Foundation Universities in Turkey**  
 Ozel Kadilar G.  
 EGITIM VE BILIM-EDUCATION AND SCIENCE, vol.40, no.177, pp.31-41, 2015 (SSCI)
- XXXI. **Modeling destructive earthquake casualties based on a comparative study for Turkey**  
 TÜRKAN S., ÖZEL G.  
 NATURAL HAZARDS, vol.72, no.2, pp.1093-1110, 2014 (SCI-Expanded)
- XXXII. **Separate Ratio Estimators for the Population Variance in Stratified Random Sampling**  
 ÖZEL KADILAR G., ÇINGI H., OĞUZ m.  
 Communications In Statistics-Theory And Methods, 2014 (SCI-Expanded)
- XXXIII. **Survival Functions for the Frailty Models Based on the Discrete Compound Poisson Process**  
 ATA TUTKUN N., ÖZEL KADILAR G.  
 Journal Of Statistical Computation And Simulation, 2014 (SCI-Expanded)
- XXXIV. **Efficiency Analysis of State Universities: A Case of Turkey**  
 Ozel G.  
 HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, vol.29, no.3, pp.124-136, 2014 (SSCI)
- XXXV. **On the Moment Characteristics for the Univariate Compound Poisson and Bivariate Compound Poisson Processes with Applications**  
 ÖZEL KADILAR G.  
 Revista Colombiana De Estadística, 2013 (SCI-Expanded)
- XXXVI. **ON THE PROBABILITY FUNCTION OF FIRST EXIT TIME FOR GENERALIZED POISSON PROCESSES**  
 Ozel G., Inal C.  
 PAKISTAN JOURNAL OF STATISTICS, vol.28, no.1, pp.27-40, 2012 (SCI-Expanded)
- XXXVII. **A Bivariate Compound Poisson Model for the Occurrence of Foreshock and Aftershock Sequences in Turkey**  
 ÖZEL KADILAR G.  
 Environmetrics, 2011 (SCI-Expanded)
- XXXVIII. **On Certain Properties of a Class of Bivariate Compound Poisson Distributions and an Application to Earthquake Data**  
 ÖZEL KADILAR G.

Revista Colombiana De Estadística, 2011 (SCI-Expanded)

**XXXIX. The probability function of a geometric Poisson distribution**

Ozel G., Inal C.

JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.80, no.5, pp.479-487, 2010 (SCI-Expanded)

**XL. The Probability Function of the Compound Poisson Process and An Application to Aftershock Sequence in Turkey**

ÖZEL KADILAR G., CEYHAN I.

Environmetrics, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **MODELLING STOCK PRICES OF A BANK WITH EXTREME VALUE DISTRIBUTIONS**  
ÜNAL AKDENİZ C., ÖZEL KADILAR G.  
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, vol.25, no.2, pp.180-192, 2024 (Peer-Reviewed Journal)
- II. **Hisse Senedi Fiyatlarının Benford Kanunu ve Uç Değer Dağılımlar ile İncelenmesi**  
KARAKAVAK H. N., ÖZEL KADILAR G.  
Gazi Üniversitesi Fen Fakültesi dergisi (Online), vol.2, no.5, pp.108-121, 2024 (Peer-Reviewed Journal)
- III. **Ankara İli Meteoroloji Parametrelerinin Hava Kirliliği Üzerindeki Etkilerinin Regresyon Analizi ile İncelenmesi**  
ÜNAL AKDENİZ C., ÖZEL KADILAR G.  
Nicel bilimler dergisi (Online), vol.5, no.2, pp.135-150, 2023 (Peer-Reviewed Journal)
- IV. **A NEW APPROACH TO DETERMINE THE INFLUENCE OF WEATHER CONDITIONS ON FOREST FIRE RISK IN THE MEDITERRANEAN REGION OF TÜRKİYE**  
TÜRKAN S., ÖZEL KADILAR G., GÜNEY C. O., ÜNAL AKDENİZ C., ŞENTÜRK Ö., ÖZKAN K.  
Muğla Journal of Science and Technology, vol.9, no.2, pp.1-10, 2023 (Peer-Reviewed Journal)
- V. **Some additional facts about the unit-Gompertz distribution**  
Sindhu T. N., Shafiq A., Mazucheli J., ÖZEL KADILAR G., Alves B.  
CHILEAN JOURNAL OF STATISTICS, no.2, pp.143-171, 2023 (ESCI)
- VI. **A COMPARISON OF STATISTICAL DISTRIBUTIONS FOR THE CRUDE BIRTH RATE DATA**  
ÜNAL AKDENİZ C., ÖZEL KADILAR G.  
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.22, no.44, pp.281-291, 2023 (Peer-Reviewed Journal)
- VII. **On Flexible Weibull-Logistic Distribution with Properties and Applications**  
Aidi K., Zubair M., ÖZEL KADILAR G., Jamal F., Ali A.  
Thailand Statistician, vol.21, no.3, pp.516-528, 2023 (ESCI)
- VIII. **Extended Inverse Weibull Distribution with Application in Reliability Sciences**  
Abbas S., Cakmakyapan S., Mustafa F., Ozel G., Shahbaz M. Q.  
International Journal of Reliability, Quality and Safety Engineering, vol.30, 2023 (ESCI)
- IX. **A NEW WEIBULL-LINDLEY DISTRIBUTION IN MODELLING LIFETIME DATA**  
ÜNAL C., ÖZEL G.  
Muğla Journal of Science and Technology, vol.8, no.2, pp.9-15, 2022 (Peer-Reviewed Journal)
- X. **Bolu İli Hava Kirlenici Maddeler ile Meteorolojik Faktörler Arasındaki İlişkilerin İncelenmesi**  
ÜNAL C., ÖZEL G.  
Karaelmas Fen ve Mühendislik Dergisi, vol.12, no.2, pp.194-206, 2022 (Peer-Reviewed Journal)
- XI. **Odd extended exponential-G family : Properties and application on earthquake data**  
Elbatal I., Ozel G., Cakmakyapan S.  
JOURNAL OF STATISTICS AND MANAGEMENT SYSTEMS, vol.25, no.8, pp.1751-1765, 2022 (ESCI)
- XII. **Üstelleştirilmiş Genelleştirilmiş Gamma Dağılımında Yeni Bir Uygulama**  
ÜNAL C., ÖZEL KADILAR G.  
International journal of advances in engineering and pure sciences (Online), vol.34, no.4, pp.479-488, 2022 (Peer-

Reviewed Journal)

- XIII. **Sağdan Kesilmiş Lomax Dağılımının İstatistiksel Özellikleri ve Bir Uygulama**  
ÜNAL C., ÖZEL KADILAR G.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.38, no.2, pp.324-334, 2022 (Peer-Reviewed Journal)
- XIV. **A New Generalized Weighted Exponential Distribution: Properties and Applications**  
Abbas S., Zaniab S., Mehmood O., Ozal G., Shahbaz M. Q.  
THAILAND STATISTICIAN, vol.20, no.2, pp.271-283, 2022 (ESCI)
- XV. **Tübitak 2237-A Doğa Bilimlerinde İstatistiksel Modelleme Yöntemleri ve Uygulamaları Eğitiminin Değerlendirilmesi**  
ÖZEL KADILAR G., TÜRKAN S., ÜNAL C.  
Bilge International Journal of Science and Technology Research, vol.6, no.1, pp.20-28, 2022 (Peer-Reviewed Journal)
- XVI. **Odd Generalized Half-Logistic Weibull Rayleigh Distribution: Properties and an Application**  
ÜNAL C., ÖZEL G.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, no.2, pp.307-314, 2022 (Peer-Reviewed Journal)
- XVII. **Alpha Power Odd Generalized Exponential Family of Distributions: Model, Properties and Applications**  
Elbatal I., ÇAKMAKYAPAN ERGÜLER S., ÖZEL KADILAR G.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.35, no.3, pp.1171-1188, 2022 (ESCI)
- XVIII. **A new length-biased power Lindley distribution with properties and its applications**  
Rather A. A., ÖZEL KADILAR G.  
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.25, no.1, pp.23-42, 2022 (ESCI)
- XIX. **One Parameter Discrete Ailamujia Distribution with Statistical Properties and Biodiversity and Abundance Data Applications**  
Ahmad A., Aijaz A., ÖZEL KADILAR G.  
PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, vol.54, no.2, pp.111-125, 2022 (Peer-Reviewed Journal)
- XX. **Tübitak 2237-A Evaluation of Statistical Modeling Methods and Applications Training in Natural Sciences**  
ÖZEL KADILAR G., TÜRKAN S., ÜNAL C.  
Bilge International Journal of Science and Technology Research, vol.6, no.1, pp.20-28, 2022 (Peer-Reviewed Journal)
- XXI. **Sağkalım ve Güvenilirlik Analizlerinde Yeni Bir Olasılık Dağılımı**  
ÇAKMAKYAPAN ERGÜLER S., ÖZEL KADILAR G.  
International journal of advances in engineering and pure sciences (Online), vol.33, no.4, pp.651-659, 2021 (Peer-Reviewed Journal)
- XXII. **İstatistik Öğretiminde Yeni Bir Yaklaşım: Doğada Uygulamalı İstatistik**  
ÖZEL KADILAR G., ÜNAL C., Düz N., ÖZKAN K.  
Bilge International Journal of Science and Technology Research, vol.5, no.2, pp.124-138, 2021 (Peer-Reviewed Journal)
- XXIII. **A better approach to discuss medical science and engineering data with a modified Lehmann Type – II model**  
Iqbal M. Z., Arshad M. Z., ÖZEL KADILAR G., Balogun O. S.  
F1000 RESEARCH, vol.10, no.823, 2021 (Scopus)
- XXIV. **Generalized Lindley Family with application on Wind Speed Data**  
ÇAKMAKYAPAN ERGÜLER S., ÖZEL KADILAR G.  
PAKISTAN JOURNAL OF STATISTICS AND OPERATION RESEARCH, vol.17, no.2, pp.387-397, 2021 (ESCI)
- XXV. **The Marshall-Olkin Transmuted-G Family of Distributions**  
Afify A. Z., Yousof H. M., Alizadeh M., Ghosh I., Ray S., Ozel G.  
Stochastics and Quality Control, vol.35, no.2, pp.79-96, 2020 (Scopus)
- XXVI. **The Poisson exponential-G family of distributions with properties and applications**

- Reyad H., Jamal F., Ozel G., Othman S.  
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.23, no.8, pp.1391-1414, 2020 (ESCI)
- XXVII. **A Note on Topp-Leone Odd Log-Logistic Inverse Exponential Distribution**  
Abbas S., Mustafa F., Taqi S. A., ÇAKMAKYAPAN ERGÜLER S., ÖZEL KADILAR G.  
JOURNAL OF STATISTICAL THEORY AND APPLICATIONS, vol.19, no.3, pp.397-407, 2020 (ESCI)
- XXVIII. **Exponentiated Weibull-logistic distribution**  
UĞUR M., ÖZEL KADILAR G.  
Bilge International Journal of Science and Technology Research, 2020 (Peer-Reviewed Journal)
- XXIX. **A statistical study of the determinants of rice crop production in Pakistan**  
Shah M. A. A., ÖZEL KADILAR G., Chesneau C., Mohsin M., Jamal F., Bhatti M. F.  
Pakistan Journal of Agricultural Research, 2020 (Peer-Reviewed Journal)
- XXX. **The Weighted Power Lindley Distribution with Applications on the Life Time Data**  
Rather A. A., Ozel G.  
PAKISTAN JOURNAL OF STATISTICS AND OPERATION RESEARCH, vol.16, no.2, pp.225-237, 2020 (ESCI)
- XXXI. **ALFA GÜÇ BURR-XII DAĞILIMI VE BİR UYGULAMA**  
TEKİN S., ÖZEL KADILAR G.  
Nicel bilimler dergisi (Online), 2020 (Peer-Reviewed Journal)
- XXXII. **A comparison of non-parametric modality tests**  
Jamal F., Ozel G., Arshad R. M. I., Imran S.  
Proceedings of the Pakistan Academy of Sciences: Part A, vol.57, no.1, pp.17-20, 2020 (Scopus)
- XXXIII. **A New Odd Log-Logistic Lindley Distribution with Properties and Applications**  
Alizadeh M., Afshari M., ALTUN E., ÖZEL KADILAR G., Eftekharian A.  
Sankhya A, vol.81, no.2, pp.323-346, 2019 (ESCI)
- XXXIV. **The Generalized Burr XII Power Series Distributions with Properties and Applications**  
Elbetal I., ALTUN E., Afify A. Z., ÖZEL KADILAR G.  
Annals of Data Science, vol.6, pp.571-597, 2019 (Scopus)
- XXXV. **The Social and Economic Problems of Home-based and Outdoor Working Women in Punjab, Pakistan**  
Shah M. A. A., Ozel G., Jamal F., Awan S. T.  
E-JOURNAL OF INTERNATIONAL AND COMPARATIVE LABOUR STUDIES, vol.8, no.2, pp.97-108, 2019 (ESCI)
- XXXVI. **A Comparison of Modality Tests Based on Real Life Data Applications**  
Arshad R., İmran S., Jamal F., ÖZEL KADILAR G.  
Proceedings of the Pakistan Academy of Sciences: A. Physical and Computational Sciences, vol.56, no.1, pp.65-75, 2019 (Scopus)
- XXXVII. **THE EXTENDED ODD WEIBULL-G FAMILY: PROPERTIES AND APPLICATIONS**  
Alizadeh M., ALTUN E., Afify A. Z., ÖZEL KADILAR G.  
Communications Series A1: Mathematics and Statistics, vol.68, no.1, pp.161-186, 2019 (ESCI)
- XXXVIII. **A New Generalized Weighted Weibull Distribution**  
Abbas S., Ozal G., Shahbaz S. H., Shahbaz M. Q.  
PAKISTAN JOURNAL OF STATISTICS AND OPERATION RESEARCH, vol.15, no.1, pp.161-177, 2019 (ESCI)
- XXXIX. **Determinants of electricity consumption based on the NUTS 2 regions of Turkey: A panel data approach**  
TÜRKAN S., ÖZEL KADILAR G.  
Regional Statistics, vol.9, no.1, pp.120-134, 2019 (ESCI)
- XL. **The Weibull Moment Exponential Distribution: Properties, Characterizations and Applications**  
Hashimi S., Haq Ahsan M., Usman R., ÖZEL KADILAR G.  
Journal of Reliability and Statistical Studies, vol.12, no.1, pp.1-22, 2019 (ESCI)
- XLI. **The Generalized Odd Half-Logistic Family of Distributions with Regression Models**  
ALTUN E., Alizadeh M., Afify A. Z., ÖZEL KADILAR G.  
International Journal of Statistics and Economics, vol.20, no.1, pp.88-110, 2019 (Peer-Reviewed Journal)
- XLII. **Markov Zinciri Kullanarak Ankara İli için Hava Kirliliği Tahmini**  
ÖZEL KADILAR G.

- Bilge International Journal of Science and Technology, vol.3, no.2, pp.144-156, 2019 (Peer-Reviewed Journal)
- XLIII. **The Social and Economic Problems of Home-based and Outdoor Women Labour Problems in Punjab, Pakistan**  
Shah M. A., ÖZEL KADILAR G., Jamal F., Awan S. T.  
The E-Journal of International and Comparative Labour Problems, vol.8, no.2, pp.97-108, 2019 (Scopus)
- XLIV. **Marshall-Olkin Half Logistic Distribution with Theory and Applications**  
yeğen d., ÖZEL KADILAR G.  
The Journal of Operations Research, Statistics, Econometrics and Management Information Systems, vol.6, no.2, pp.407-416, 2018 (Peer-Reviewed Journal)
- XLV. **THE BURR XII UNIFORM DISTRIBUTION: THEORY AND APPLICATIONS**  
Nasir M. A., Ozel G., Jamal F.  
JOURNAL OF RELIABILITY AND STATISTICAL STUDIES, vol.11, no.2, pp.143-158, 2018 (ESCI)
- XLVI. **The type II Topp-Leone generated family of distributions : Properties and applications**  
Elgarhy M., Nasir M. A., Jamal F., ÖZEL KADILAR G.  
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.21, no.8, pp.1529-1551, 2018 (ESCI)
- XLVII. **The Odd Log-Logistic Log-Normal Distribution with Theory and Applications**  
Ozel G., Altun E., Alizadeh M., Mozafari M.  
ADVANCES IN DATA SCIENCE AND ADAPTIVE ANALYSIS, vol.10, no.4, 2018 (ESCI)
- XLVIII. **Extended Half-Logistic Distribution with Theory and Lifetime Data Application**  
ALTUN E., Khan M. N., Alizadeh M., ÖZEL KADILAR G., Butt N. S.  
Pakistan Journal of Statistics and Operation Research, vol.14, no.2, pp.319-331, 2018 (ESCI)
- XLIX. **Does the Assumption on Innovation Process Play an Important Role for Filtered Historical Simulation Model?**  
ALTUN E., TATLIDİL H. H., ÖZEL KADILAR G., Nadarajah S.  
JOURNAL OF RISK AND FINANCIAL MANAGEMENT, vol.11, no.7, pp.1-13, 2018 (ESCI)
- L. **The Kumaraswamy Marshall-Olkin Log-Logistic Distribution with Application**  
Cakmakyapan S., Ozel G., El Gebaly Y. M. H., Hamedani G. G.  
JOURNAL OF STATISTICAL THEORY AND APPLICATIONS, vol.17, no.1, pp.59-76, 2018 (ESCI)
- LI. **Alpha Power Inverted Exponential Distribution: Properties and Application**  
ÜNAL C., Cakmakyapan S., Ozel G.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.954-965, 2018 (ESCI)
- LII. **LINDLEY-RAYLEIGH DISTRIBUTION WITH APPLICATION TO LIFETIME DATA**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
Journal of Reliability and Statistical Studies, vol.11, no.2, pp.9-24, 2018 (ESCI)
- LIII. **Exponentiated Transmuted Power Function Distribution: Theory & Applications**  
Usman R. M., Ul Haq M. A., BURSA N., Ozel G.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.660-675, 2018 (ESCI)
- LIV. **McDonald Power Function Distribution with Theory and Applications**  
Haq Ahsan M., Usman R., BURSA N., ÖZEL KADILAR G.  
International Journal of Statistics and Economics, 2018 (Peer-Reviewed Journal)
- LV. **Transmuted Weibull Power Function Distribution: its Properties and Applications**  
Haq Ahsan M., Elgarhy M., Hashimi S., ÖZEL KADILAR G., ul Ain d. Q.  
Journal of Data Science, 2018 (Peer-Reviewed Journal)
- LVI. **The odd log-logistic Marshall-Olkin power Lindley Distribution: Properties and applications**  
Alizadeh M., MirMostafae S., ALTUN E., ÖZEL KADILAR G., Ahmadi M. K.  
Journal of Statistics and Management Systems, vol.20, no.6, pp.1065-1093, 2017 (ESCI)
- LVII. **A New Generalized Burr Family of Distributions for the Lifetime Data**  
NASİR A., TAHİR M., JAMAL F., ÖZEL KADILAR G.  
Journal of Statistics, Applications and Probability, vol.6, pp.1-17, 2017 (Scopus)
- LVIII. **The Odd Exponentiated Half-Logistic-G Family: Properties, Characterizations and Applications**  
Afify A. Z., ALTUN E., Alizadeh M., ÖZEL KADILAR G., Hamedani G.



- Chilean Journal of Statistics, vol.8, no.2, pp.65-91, 2017 (ESCI)
- LIX. **Truncated Lomax Distribution with Applications in Insurance**  
KARAGÜL B. Z., ÖZEL KADILAR G.  
International Journal of Applied Mathematics and Statistics, vol.56, pp.99-112, 2017 (ESCI)
- LX. **The Odd Log-Logistic Marshall-Olkin Lindley Model for Lifetime Data**  
ALÍZADEH M., ÖZEL KADILAR G., ALTUN E., ABDİ M., HAMEDANİ G. G.  
Journal of Statistical Theory and Applications, vol.16, pp.382-400, 2017 (ESCI)
- LXI. **A New Exponentiated Extended Family of Distributions with Applications**  
ELGARHY M., HAQ AHSAN M., ÖZEL KADILAR G., NASİR A.  
Gazi Journal of Science, vol.30, pp.101-115, 2017 (Peer-Reviewed Journal)
- LXII. **Odd Burr Power Lindley Distribution with Properties and Applications**  
ALÍZADEH M., ALTUN E., ÖZEL KADILAR G.  
Gazi Journal of Science, vol.30, pp.135-159, 2017 (Peer-Reviewed Journal)
- LXIII. **The Double Truncated Dagum Distribution with Applications**  
IŞIK H., TURFAN D., ÖZEL KADILAR G.  
International Journal of Mathematics and Statistics, vol.2, pp.61-78, 2017 (Peer-Reviewed Journal)
- LXIV. **Dondurma Tüketimi Tercihini Etkileyen Özelliklerin Konjoint Analizi İle Belirlenmesi**  
ÖZEL KADILAR G., ceylan r.  
Alphanumeric Journal, vol.4, no.2, 2016 (Peer-Reviewed Journal)
- LXV. **On the Mean First Exit Time for a Compound Poisson Process**  
ÖZEL KADILAR G.  
Journal of Data Science, vol.14, pp.347-363, 2016 (Peer-Reviewed Journal)
- LXVI. **Investigating The Factors Which Are Effective On Ice Cream Consumption Of Consumers**  
ÖZEL KADILAR G., CEYLAN R.  
Alphanumeric Journal, vol.4, 2016 (Peer-Reviewed Journal)
- LXVII. **A New Exponential Type Estimator for the Population Mean in Simple Random Sampling**  
ÖZEL KADILAR G.  
Journal of Modern Applied Statistical Methods, vol.15, pp.207-214, 2016 (Scopus)
- LXVIII. **Investigation of Turkey Credit Default Swaps with Entropy Concept**  
BURSA N., ÖZEL KADILAR G.  
Eurasian Econometrics, Statistics & Emprical Economics Journal, vol.3, pp.23-32, 2016 (Peer-Reviewed Journal)
- LXIX. **Discrete Frailty Model with Compound Poisson Distribution**  
ATA TUTKUN N., ÖZEL KADILAR G.  
International Journal of Ecological Economics & Statistics, vol.37, pp.1200-1230, 2016 (Peer-Reviewed Journal)
- LXX. **Türkiye Kredi Temerrüt Takası Primlerinin Entropi Kavramı ile İncelenmesi**  
BURSA N., ÖZEL KADILAR G.  
Avrasya Ekonometri, İstatistik ve Ampirik Ekonomi Dergisi, no.3, pp.23-32, 2016 (Peer-Reviewed Journal)
- LXXI. **Modified Exponential Type Estimator for Population Mean Using Auxiliary Variables in Stratified Random Sampling**  
ÖZEL KADILAR G.  
The Journal of Operations Research, Statistics, Econometrics and Management Information Systems, 2015 (Peer-Reviewed Journal)
- LXXII. **Neyman type A distribution for the natural disasters and related casualties in Turkey**  
ÖZEL KADILAR G., TÜRKAN S.  
Journal of Data Science, 2015 (Peer-Reviewed Journal)
- LXXIII. **Wind Speed Analysis with the Upper Truncated Quasi Lindley Distribution**  
ALTUN E., ÖZEL KADILAR G.  
Journal of Statistical and Econometric Methods, vol.4, pp.17-39, 2015 (Peer-Reviewed Journal)
- LXXIV. **Altun, E., Özel, G., Wind Speed Analysis with the Upper Truncated Quasi Lindley Distribution, , 4(4), 17-39, 2015.” makalesine alınan atf**  
ALTUN E., ÖZEL KADILAR G.

- Journal of Statistical and Econometric Methods, 2015 (Peer-Reviewed Journal)
- LXXV. **Modified Influential Observation Detection in Bayesian Regression Using Conjugate Prior Distribution**  
TÜRKAN S., ÖZEL KADILAR G.  
International Journal of Statistics and Economics, 2015 (Peer-Reviewed Journal)
- LXXVI. **Avrupa Birliği Üyesi Ülkelerin Refah Düzeyini Etkileyen Faktörler Path Analizi Yaklaşımı**  
ÖZEL KADILAR G., İLKER Ü.  
Nevşehir Bilim ve Teknoloji Dergisi, 2015 (Peer-Reviewed Journal)
- LXXVII. **A New Customer Lifetime Duration Distribution The Kumaraswamy Lindley Distribution**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
International Journal of Trade, Economics and Finance, 2014 (Peer-Reviewed Journal)
- LXXVIII. **Probabilistic Prediction of Bank Failures with Financial Ratios An Empirical Study on Turkish Banks**  
ÖZEL KADILAR G., ATA TUTKUN N.  
Pakistan Journal of Statistics and Operation Research, 2013 (Scopus)
- LXXIX. **An Alternative for the Proportional Hazards Model Using Accelerated Failure Time Model for the Destructive Earthquake Analysis in Turkey**  
ATA TUTKUN N., ÖZEL KADILAR G.  
International Journal of Ecological Economics & Statistics, 2013 (Peer-Reviewed Journal)
- LXXX. **Türkiye de Deprem Tekrarlanma Zamanının Tahmini ve Neotektonik Bölgelere Göre Depremselliğin Markov Zinciri ile İncelenmesi**  
ÖZEL KADILAR G., SOLMAZ A.  
Çankaya University Journal of Science and Engineering, 2012 (Peer-Reviewed Journal)
- LXXXI. **A New Method for Evaluation of Bivariate Compound Poisson Distribution for Aggregate Claims**  
Ozel G.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.24, no.2, pp.241-248, 2011 (ESCI)
- LXXXII. **Distribution Function of First Exit Time for a Compound Poisson Process**  
ÖZEL KADILAR G., İNAL C.  
Anadolu University Journal of Science and Technology-B Theoretical Sciences, 2011 (Peer-Reviewed Journal)
- LXXXIII. **Avrupa Birliği ne Üyelik Sürecinde Etkili Faktörlerin Kosullu Lojistik Regresyon Modelleri ile Değerlendirilmesi**  
YUKSEL AKAY U., ÖZEL KADILAR G.  
Journal of Istanbul University Econometrics and Statistics, 2011 (Peer-Reviewed Journal)
- LXXXIV. **A Multivariate Non Parametric Hazard Model for Earthquake Occurrences in Turkey**  
ATA TUTKUN N., ÖZEL KADILAR G.  
Journal of Data Science, 2011 (Peer-Reviewed Journal)
- LXXXV. **A New Method for Evaluation of Bivariate Compound Poisson Distribution for Aggregate Claims**  
ÖZEL KADILAR G.  
Gazi University Journal of Science, 2011 (Scopus)
- LXXXVI. **Comparing Survival and Conditional Logistic Regression Models in Turkish Bank Failures**  
ATA TUTKUN N., ÖZEL KADILAR G.  
Journal Karya Asli Lorekan Ahli Matematik (Journal Kalam), 2010 (Peer-Reviewed Journal)
- LXXXVII. **A Comparison of Multinomial Logistic and Multinomial Conditional Logistic Regression Models in Turkish Bank Failures**  
UNVAN Y. A., ÖZEL KADILAR G.  
Suleyman Demirel University the Journal of Faculty of Economics and Administrative Sciences, 2009 (Peer-Reviewed Journal)
- LXXXVIII. **Tüketicilerin Süt Tercihinde Etkili Olan Faktörlerin İncelemesine Yönelik Bir Arastırma**  
ÖZEL KADILAR G.  
Süleyman Demirel Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, 2008 (Peer-Reviewed Journal)
- LXXXIX. **The Probability Function of the Compound Poisson Distribution Using Integer Partitions and Ferrer's Graph**

- ÖZEL KADILAR G., INAL C.  
Bulletin of Statistics and Economics, 2008 (Peer-Reviewed Journal)
- XC. **A Stochastic Model for the Earthquake Occurrences in Turkey**  
ÖZEL KADILAR G.  
Süleyman Demirel Üniversitesi Fen Bilimleri Dergisi, 2008 (Peer-Reviewed Journal)
- XCI. **Cumulative Distribution of First Exit Time for a Compound Poisson Process**  
ÖZEL KADILAR G., INAL C.  
Bulletin of the International Statistical Institute, 2007 (Peer-Reviewed Journal)
- XCII. **Eksik Gözlem Değerlerine Sahip OECD Ülkelerinin Bebek Sağlığı ile İlgili Analizinde Yerine Koyma Yöntemlerinin kullanılması**  
ÖZEL KADILAR G., ATA TUTKUN N.  
Dogus University Journal, 2007 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Python ve R Uygulamaları ile Stokastik Süreçler Teori – Uygulama**  
ÖZEL KADILAR G.  
Seçkin Yayıncılık, Ankara, 2023
- II. **Stokastik Süreçler ve R Uygulamaları**  
Özel Kadılar G.  
Seçkin Yayıncılık, Ankara, 2020
- III. **Sağlıkta Kalite Standartları ADSH (Ağız ve Diş Sağlığı Hizmetleri)**  
BESLER A., ESATOĞLU A. E., VARIR A., YILDIZ A. N., KAPLAN A., ŞAHİN A. K., KARABÖCE B., MEYDAN B., ZENCİROĞLU D., PERÇİN RENDERS D., et al.  
Anıl Reklam Matbaa Ltd, Şti, Ankara, Ankara, 2017
- IV. **Statistics of Earthquakes**  
ÖZEL KADILAR G.  
in: Wiley StatsRef: Statistics Reference, Theodore Colton, Brian Everitt, Walter Piegorsch, Editor, Wiley, 2017
- V. **Stochastic Processes for the Risk Management**  
ÖZEL KADILAR G.  
in: Handbook of Research on Behavioral Finance and Investment Strategies Decision Making in the Financial Industry, , Editor, IGI GLOBAL, 2015
- VI. **Pattern Recognition Techniques**  
ÖZEL KADILAR G.  
in: Encyclopedia of Business Analytics and Optimization, , Editor, IGI Global, 2014
- VII. **Big Data Techniques and Applications**  
ÖZEL KADILAR G.  
in: Encyclopedia of Business Analytics and Optimization, , Editor, IGI Global, 2014
- VIII. **Seismological Risk Assessment**  
ÖZEL KADILAR G.  
in: Encyclopedia of Environmetrics, , Editor, John Wiley & Sons, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **ANTALYA İLİ HAVA SICAKLIK DEĞERLERİNİN İSTATİSTİKSEL ANALİZİ**  
ÖZEL KADILAR G., ÜNAL AKDENİZ C.  
5. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, İstanbul, Turkey, 25 - 26 February 2023
- II. **DEPREM ARAŞTIRMALARINDA VERİ GÖRSELLEŞTİRME TEKNİKLERİ VE UYGULAMALARI**

ÖZEL KADILAR G., YILMAZ G., MERT E. C., TEKİN S.

5. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, İstanbul, Turkey, 25 - 26 February 2023, pp.237-244

- III. **An Efficient Sampling Technique for Seismic Assessment of Aegean Graben System, Turkey**  
ÜNAL AKDENİZ C., ÖNCEL ÇEKİM H., ÖZEL KADILAR G.  
6th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC2022), Antalya, Turkey, 3 - 06 November 2022
- IV. **Characterization of the Earthquakes in the Aegean Region of Turkey via Shannon Entropy**  
ÖZEL KADILAR G., KARAKAVAK H. N., TEKİN S.  
3rd International Conference on Applied Engineering and Natural Sciences, Turkey, 20 July 2022
- V. **Markov Model Applied to the Earthquake Magnitude in the Aegean Region of Turkey**  
ÖZEL KADILAR G., ÜNAL AKDENİZ C., EROĞLU AZAK T.  
3rd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 20 - 23 July 2022
- VI. **AN APPLICATION ON EARTHQUAKE DATA UNDER NON-RESPONSE SCHEME IN SAMPLING THEORY**  
ÜNAL AKDENİZ C., ÖZEL KADILAR G.  
THE SIXTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2022), Ordu, Turkey, 20 - 22 May 2022
- VII. **MARKOV RENEWAL MODEL APPLIED TO THE ESTIMATION OF EARTHQUAKE OCCURRENCES**  
ÖZEL KADILAR G., ÜNAL AKDENİZ C.  
THE SIXTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2022), Ordu, Turkey, 20 May 2022
- VIII. **The Modelling of Earthquake Events Based on Bivariate Extreme Value Theory**  
ÖZEL KADILAR G.  
5th International Researchers, Statisticians and Young Statisticians Congress, 18 - 20 October 2019, vol.366
- IX. **The Lindley-Frechet Distribution and Properties with Lifetime Data Application**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
11. INTERNATIONAL STATISTICS DAYS CONFERENCE, 3 - 07 October 2018
- X. **On a New Generalization for Inverted Exponential Distribution**  
ÖZEL KADILAR G., ÇAKMAKYAPAN S., ÜNAL C.  
4th INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, 28 April - 30 October 2018
- XI. **Ln Type Estimators under Stratified Random Sampling**  
ÖZEL KADILAR G., ÖNCEL ÇEKİM H., KADILAR C.  
International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018
- XII. **Air Pollution Analysis for Ankara by Air Pollution Index Highly Correlated with Meteorological Variables**  
ÖZEL KADILAR G., KADILAR C.  
1ST INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES (ICMRS 2018), Antalya, Turkey, 30 April - 04 May 2018, vol.1991
- XIII. **Statistical Analysis of Foundation Universities in Turkey**  
ÖZEL KADILAR G., KADILAR C.  
7th World Conference on Learning, Teaching and Educational Leadership, saraybosna, Bosnia And Herzegovina, 27 - 29 October 2016, vol.1, pp.11-22
- XIV. **Mekansal Panel Veri Analizi İle Türkiye’de Bölgesel Elektrik Tüketimi ve Ekonomik Büyüme İlişkisinin Belirlenmesi**  
TÜRKAN S., ÖZEL KADILAR G.  
18. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 15 October 2017
- XV. **On the Graphical Markov Models with an Application**  
KADILAR C., ÖZEL KADILAR G.  
COSTNET17, 25 - 27 October 2017
- XVI. **An Analysis of Air Quality Data with Markov Chains and Time Series**

- ÖZEL KADILAR G., KADILAR C.  
COSTNET17, 25 - 27 October 2017
- XVII. **Odd Log-Logistic Power Lindley Distribution with Theory and Lifetime Data Application**  
ÖZEL KADILAR G., ALTUN E., ALİZADEH M.  
The 17th Conference of the Applied Stochastic Models and Data Analysis, 6 - 09 June 2017
- XVIII. **Stochastic Image Processing with an Application**  
ÖZEL KADILAR G., KADILAR C.  
Foundations of Computational Mathematics, 10 - 19 July 2017
- XIX. **A New Generalized Poisson Lindley Distribution**  
ÖZEL KADILAR G., ÇAKMAKYAPAN S.  
ICNAAM-2016, 19 - 25 September 2016
- XX. **Deterministic and Stochastic Models of Infectious Diseases**  
ÖZEL KADILAR G.  
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, vol.11, pp.11-33
- XXI. **Graphical Markov Models for the Categorical Data Analysis**  
ÖZEL KADILAR G.  
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, vol.11, pp.11-22
- XXII. **A New Distribution for the Fatigue Lifetime**  
ÖZEL KADILAR G., ÇAKMAKYAPAN S.  
The 17th Conference of the Applied Stochastic Models and Data Analysis, 6 - 09 June 2017
- XXIII. **Türkiye’de Bölgesel Elektrik Tüketimini Etkileyen Faktörlerin Panel Veri Analizi ile İncelenmesi**  
ÖZEL KADILAR G., TÜRKAN S.  
EconAnadolu 2017, 11-13 Mayıs 2017, Eskişehir. (Özet), Trabzon, Turkey, 11 - 13 May 2017, vol.11, pp.11-33
- XXIV. **A Markov Chain Approach for Gold Prices**  
ÖZEL KADILAR G., KADILAR C.  
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 17 - 21 April 2017, vol.11, pp.22-33
- XXV. **Assessing Air Quality in Aksaray with Time Series Analysis**  
Kadilar G., KADILAR C.  
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 18 - 21 April 2017, vol.1833
- XXVI. **Failure time analysis with unobserved heterogeneity Earthquake duration time of Turkey**  
ATA TUTKUN N., ÖZEL KADILAR G.  
International Conference on Advances in Natural and Applied Sciences, 21 - 24 April 2016
- XXVII. **The Poisson Gamma Distribution for Wind Speed Data**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 21 - 24 April 2016, vol.11, pp.22-44
- XXVIII. **A New Statistical Distribution of Stock Exchange Price**  
ÖZEL KADILAR G., ÇAKMAKYAPAN S.  
ISBIS2016, 10 - 12 June 2016
- XXIX. **Odd Burr Lindley Distribution with Properties and an Application**  
ALTUN G., ALİZADEH M., ALTUN E., ÖZEL KADILAR G.  
Second International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2016), 4 - 08 May 2016
- XXX. **Investigation of Performances for the State Universities in Turkey**  
ÖZEL KADILAR G., ATA TUTKUN N.  
International Conference on Research in Education and Science (ICRES), 19 - 22 May 2016
- XXXI. **The Exponentiated Kumaraswamy Power Function Distribution**  
BURSA N., ÖZEL KADILAR G.

- Second International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2016), 4 - 08 May 2016
- XXXII. **Dependent Neyman type A Processes Based on Common Shock Poisson Approach**  
ÖZEL KADILAR G., KADILAR C.  
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 21 - 23 April 2016, vol.1726
- XXXIII. **Jackknifed estimator for the negative binomial regression model**  
TÜRKAN S., ÖZEL KADILAR G.  
8th International Conference of the ERCIM Working Group on Computational and Methodological Statistics, 12 - 14 December 2015
- XXXIV. **Analysis of Hacettepe University Faculty of Science Students Mobility for Studies**  
ATA TUTKUN N., ÖZEL KADILAR G., ÇAKMAKYAPAN S.  
International Conference on New Horizons in Education, 10 - 12 June 2015
- XXXV. **KESİLMİŞ LOMAX DAĞILIM VE BİR UYGULAMA**  
KARAGÜL B. Z., ÖZEL KADILAR G.  
Uluslararası 9. İstatistik Kongresi, 28 October - 01 November 2015
- XXXVI. **Bivariate Kumaraswamy distribution with an application on earthquake data**  
ÖZEL KADILAR G.  
THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014, 22 - 28 September 2014
- XXXVII. **A New Distribution and Application on the LifetimeData**  
ÖZEL KADILAR G., ÇAKMAKYAPAN S.  
17th International Conference on Computational Statistics and Data Analysis, 20 - 21 July 2015
- XXXVIII. **A Probabilistic Risk Assessment of Time to Rainfall of Turkey A Censoring Approach**  
ATA TUTKUN N., ÖZEL KADILAR G.  
5th International Conference on Meteorology and Climatology of the Mediterranean, 02 March 2016 - 04 September 2014
- XXXIX. **A New Kind Estimator for the Population Mean in the Stratified Random Sampling**  
Ozel G., KADILAR C.  
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- XL. **Influential Observation Detection in Bayesian Regression Using Conjugate Prior Distribution An Application on Pavement Data**  
TÜRKAN S., ÖZEL KADILAR G.  
BAYSM 2014, 18 - 20 September 2014
- XLI. **A New Customer Lifetime Duration Distribution The Kumaraswamy Lindley Distribution**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
3rd International Conference on Innovation, Trade and Economics, 14 - 22 June 2014
- XLII. **The Kumaraswamy Lindley Distribution for the Censored Data**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
4th International Eurasian Conference on Mathematical Sciences and Applications, 25 August - 28 June 2014
- XLIII. **The Kumaraswamy Generalized Exponential Weibull Distribution**  
ÖZEL KADILAR G.  
Young Women in Probability, 26 May 2014
- XLIV. **On the Generalized Marshall Olkin Log Logistic Distribution**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
15th International Symposium on Econometrics, Operations Research and Statistics, 22 May 2014
- XLV. **Statistical Analysis of Wind Speed Data**  
ÇAKMAKYAPAN S., ATA TUTKUN N., ÖZEL KADILAR G.  
15th International Symposium on Econometrics, Operations Research and Statistics, 22 May 2014
- XLVI. **Improvement of Exponential Type Estimator for the Population Mean in Stratified Random Sampling**  
ÖZEL KADILAR G.

15th International Symposium on Econometrics, Operations Research and Statistics, 22 May 2014

- XLVII. **Exponential Estimators using Characteristics of Poisson Distribution An Application to Earthquake Data**  
KOYUNCU N., ÖZEL KADILAR G.  
ICNAAM 2013, 22 September 2013
- XLVIII. **On the Expected Value and Distribution Function of the First Exit Time for the Polya Aeppli Process**  
ÇAKMAKYAPAN S., ÖZEL KADILAR G.  
ICNAAM 2013, 22 September 2013
- XLIX. **Characterizing Forest Fire Activity in Turkey by Compound Poisson and Time Series Models**  
ÖNCEL ÇEKİM H., KADILAR C., ÖZEL KADILAR G.  
ICNAAM 2013, 22 September 2013
- L. **Ratio Estimators Using Characteristics of Poisson Distribution with Application to Earthquake Data**  
ÖZEL KADILAR G.  
International Days of Statistics and Economics, 15 September 2013
- LI. **Lindley Frailty Model for a Class of Compound Poisson Processes**  
ÖZEL KADILAR G., ATA TUTKUN N.  
ICNAAM 2013, 22 September 2013
- LII. **Big Data and Applications**  
ÖZEL KADILAR G.  
1st Young Statisticians Meeting, Turkey, 22 September 2013
- LIII. **Special Cases of Compound Poisson Process for Word Occurrences in DNA Sequences**  
ÖZEL KADILAR G.  
Leuven Statistics Days, 19 August 2012
- LIV. **Bayesian Inference for the Compound Poisson Process**  
ÖZEL KADILAR G.  
8th Workshop on Bayesian Inference in Stochastic Processes, 21 July 2013
- LV. **Moment Characteristics for the Univariate Compound Poisson Processes and Bivariate Compound Poisson Processes with Applications**  
ÖZEL KADILAR G.  
10th German Probability and Statistics Days, 15 July 2012
- LVI. **Claim Sizes in the Compound Poisson Process from a Bayesian Viewpoint**  
ÖZEL KADILAR G.  
Bayesian Young Statisticians Meeting, 09 June 2013
- LVII. **Compound Poisson Models for Word Occurrences in DNA Sequences**  
ÖZEL KADILAR G.  
8th International Symposium of Statistics, 14 October 2012
- LVIII. **An Investigation on the Moments of Neyman Polya Aeppli and Thomas Distributions**  
ÖZEL KADILAR G.  
7th International Statistics Congress, 16 October 2011
- LIX. **Predicting Turkish Bank Failures An Empirical Comparison of the Survival Ordinary and Conditional Logistic Regression**  
UNVAN Y. A., ATA TUTKUN N., ÖZEL KADILAR G.  
Econ Anadolu 2011 Post Crisis Dynamics, 18 September 2011
- LX. **Bivariate Polya Aeppli Process and an Application**  
ÖZEL KADILAR G.  
12th International Econometrics, Operation Research and Statistics Symposium, 09 October 2011
- LXI. **Türkiye deki Devlet ve Vakif Üniversitelerinin Performanslarının Veri Zarflama Analizi ile Belirlenmesi**  
ÖZEL KADILAR G.  
IX. International Congress on Knowledge, Economy & Management, 17 July 2011
- LXII. **Investigation of Seismicity in Turkey with a Bivariate Compound Poisson Distribution**

- ÖZEL KADILAR G.  
International Science and Technology Conference, 10 October 2010
- LXIII. **Estimating Survival Functions for Discrete Frailty Models Based on the Compound Poisson Process**  
ÖZEL KADILAR G., ATA TUTKUN N.  
Prague Stochastic, 22 August 2010
- LXIV. **Bivariate Compound Poisson Processes and Applications on Earthquakes in Turkey**  
ÖZEL KADILAR G.  
10th International Vilnius Conference on Probability Theory and Mathematical Statistics, 20 June 2010
- LXV. **Evaluation of Seismicity in Turkey and Surrounding Area Using Survival Models**  
ATA TUTKUN N., ÖZEL KADILAR G.  
10th International Vilnius Conference on Probability Theory and Mathematical Statistics, 20 June 2010
- LXVI. **Discrete Frailty Model with the Compound Poisson Process**  
ÖZEL KADILAR G., ATA TUTKUN N.  
33rd Conference on Stochastic Processes and Their Applications, 11 October 2009
- LXVII. **The Use of Survival Models to Explain Bankruptcy in Turkey**  
ATA TUTKUN N., ÖZEL KADILAR G.  
3rd International Conference on Mathematics and Statistics, 20 September 2009
- LXVIII. **The Probability Function of Bivariate Compound Poisson Process**  
ÖZEL KADILAR G., INAL C.  
6th Statistics Congress, Turkey, 24 May 2009
- LXIX. **The Probability Functions for the Neyman Type Processes and Thomas Process with an Application on Traffic Accidents**  
ÖZEL KADILAR G.  
Applied Statistics, 21 September 2008
- LXX. **A Study on the Neyman Type A B Types and Thomas Distributions**  
ÖZEL KADILAR G., INAL C.  
6th Statistics Symposium, Turkey, 18 May 2008
- LXXI. **Cumulative Distribution of First Exit Time for a Compound Poisson Process**  
ÖZEL KADILAR G., inal C.  
56th Session of ISI, kiev, Ukraine, 19 August 2007, vol.2, pp.1-10
- LXXII. **The Probability Function of the Compound Poisson Distribution**  
ÖZEL KADILAR G., INAL C.  
5th Statistics Conference, Turkey, 27 - 31 May 2007
- LXXIII. **Aftershock Occurrence Probabilities Using Monitoring of Aftershock Sequence of Turkey Between Years 1903 and 2005**  
ÖZEL KADILAR G., INAL C.  
Monitoring of Hazardous Geological Processes and Environmental State, 17 September 2006
- LXXIV. **A Study on Compound Poisson Process**  
ÖZEL KADILAR G., INAL C.  
4th Statistics Conference, Turkey, 22 - 31 May 2005

## Supported Projects

Özel Kadılar G., TUBITAK Project, 6 Şubat 2023 Depremleri ve 15 Mart 2023 Sel Afetleri Sonrası Risk Değerlendirme Süreçlerinde Heyelan Tehlike Haritalarının Hazırlanması, 2024 - 2026

Özel Kadılar G., TUBITAK Project, Earthquake Magnitude Estimation with Bi Directional Deep Learning Methods for the Western Anatolia Region, 2024 - 2024

Özel Kadılar G., TUBITAK Project, Earthquake Hazard Map Based on Artificial Intelligence and Probabilistic Model, 2021 - 2023

Özel Kadılar G., Güney C., Project Supported by Other Official Institutions, Classification of Fire Regime in Forest



Ecosystems of Antalya Region and Modeling According to Climate Change Scenarios, 2019 - 2022  
Özel Kadılar G., TUBITAK Project, Learn Statistics in Nature, 2020 - 2020  
Özel Kadılar G., TUBITAK Project, Statistical Modeling Techniques and Applications in Natural Sciences, 2019 - 2019  
Özel Kadılar G., Şentürk Ö., TUBITAK Project, Arazi Çeşitliliğinin Entropi Temelli Algoritmalar ile Hesaplanması ve Haritalanması, 2019 - 2019  
ÖZEL KADILAR G., CAİ J., Project Supported by Higher Education Institutions, Uç Değer Teorisi Yaklaşımları Kullanarak Deprem Büyüklüğü ve Sıklığının Modellenmesi, 2018 - 2019  
ÖZEL KADILAR G., ATA TUTKUN N., Project Supported by Higher Education Institutions, İstatistiksel Ağ Modelleri ve Stokastik Süreçler, 2017 - 2018  
ÖZEL KADILAR G., ALIZADEH M., ALTUN E., Project Supported by Higher Education Institutions, Odd Log-Lojistik Lindley Güç Dağılımı Teori ve Yaşam Süresi Verisi Uygulamaları, 2017 - 2018  
KADILAR C., ÖZEL KADILAR G., Project Supported by Higher Education Institutions, Bir Uygulama ile Grafikselleştirilmiş Markov Modelleri Üzerine, 2017 - 2017  
ÖZEL KADILAR G., KADILAR C., Project Supported by Higher Education Institutions, Vakıf Üniversitelerinin Performanslarının İstatistiksel Analizi, 2016 - 2016  
ÖZEL KADILAR G., ÇAKMAKYAPAN S., Project Supported by Higher Education Institutions, Genelleştirilmiş Yeni Bir Poisson Lindley Dağılımı, 2016 - 2016  
ÖZEL KADILAR G., KADILAR C., Project Supported by Higher Education Institutions, Türkiyedeki vakıf üniversitelerinin 2014-2015 öğretim yılı etkinliklerinin değerlendirilmesi, 2016 - 2016  
ÖZEL KADILAR G., TÜRKAN S., Project Supported by Higher Education Institutions, SAS, MATLAB, Eviews Programlarının Lisans Alımı ve Bakımı, 2015 - 2016  
ÖZEL KADILAR G., ÇAKMAKYAPAN S., Project Supported by Higher Education Institutions, Yeni Bir Rayleigh Dağılımı ve Yaşam Verisi Üzerine Bir Uygulama, 2015 - 2016  
ÖZEL KADILAR G., Project Supported by Higher Education Institutions, Eğitimde Yeni Gelişmeler, 2015 - 2016  
ÖZEL KADILAR G., Project Supported by Higher Education Institutions, SAS, SPSS ve MATLAB Yazılımlarının Alınması, 2014 - 2015

## Activities in Scientific Journals

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, First Editor, 2024 - Continues  
JOURNAL OF THE INDIAN SOCIETY FOR PROBABILITY AND STATISTICS, Committee Member, 2024 - Continues  
Gazi University Journal of Science, Assistant Editor/Section Editor, 2018 - Continues

## Mobility Activity

Other, Guest Researcher, Technische Universiteit Delft, Netherlands, 2018 - 2018

## Metrics

Publication: 214  
Citation (WoS): 542  
Citation (Scopus): 785  
H-Index (WoS): 16  
H-Index (Scopus): 15

## Non Academic Experience

Hacettepe Üniversitesi

TU DELFT

International Center of Theoretical Physics