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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-6756-2019

ScopusID: 54924503400

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Education Information

- I. Doctorate, Gebze Technical University, Institute Of Science, Mathematics, Turkey 2009 - 2015
- II. Postgraduate, Gebze Technical University, Institute Of Science, Mathematics, Turkey 2007 - 2009
- III. Undergraduate, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Matematik Bölümü, Turkey 2002 - 2007

Foreign Languages

- I. English, B2 Upper Intermediate

Dissertations

- I. Doctorate, Statistical inference for some distributions based on record values, Gebze Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2015
- II. Postgraduate, Genişletilmiş stokastik integral süreçleri için lokal zaman, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 2009

Research Areas

Statistics

Academic Titles / Tasks

- I. Researcher, University of Oslo, Medicine, Biostatistics, 2021 - Continues
- II. Associate Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2019 - Continues
- III. Assistant Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2016 - 2019
- IV. Assistant Professor, McMaster University, Faculty of Science, Department of Mathematics and Statistics, 2018 - 2018
- V. Research Assistant, Gebze Technical University, Faculty Of Basic Sciences, Department Of Mathematics, 2007 - 2015

Courses

- I. Biostatistics, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
- II. Advanced Calculus II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
- III. Research Project, Undergraduate, 2020 - 2021, 2019 - 2020
- IV. Experimental Design, Undergraduate, 2020 - 2021, 2019 - 2020
- V. Probability Theory, Postgraduate, 2019 - 2020, 2016 - 2017
- VI. Regression Analysis, Undergraduate, 2020 - 2021, 2019 - 2020
- VII. Mathematics II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
- VIII. Advanced Calculus I, Undergraduate, 2020 - 2021, 2019 - 2020
- IX. Mathematical Statistics I, Postgraduate, 2020 - 2021, 2019 - 2020
- X. Mathematics I, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017
- XI. Stochastic Processes, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016
- XII. Mathematics II, Undergraduate, 2017 - 2018
- XIII. Mathematics II, Undergraduate, 2017 - 2018
- XIV. Mathematics I, Undergraduate, 2017 - 2018
- XV. Mathematics I, Undergraduate, 2017 - 2018
- XVI. Game Theory, Undergraduate, 2016 - 2017, 2015 - 2016

Advising Theses

- I. Abadoğlu E., Kızılaslan F., Statistical inference of stress-strength reliability of some coherent systems with cold standby redundancy, Doctorate, G.CÜRAN(Student), 2021
- II. Abadoğlu E., Kızılaslan F., Statistical inference of some coherent systems in stress-strength setup, Doctorate, D.DEMİRAY(Student), 2021

Jury Memberships

- I. Doctorate, Doctorate, Cukurova University, November, 2019
- II. Post Graduate, Post Graduate, Istanbul Technical University, May, 2018
- III. Post Graduate, Post Graduate, Istanbul Technical University, July, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reliability estimation of a consecutive k-out-of-n system for non-identical strength components with applications to wind speed data**
Demiray D., Kızılaslan F.
Quality Technology and Quantitative Management, vol.21, no.1, pp.111-146, 2024 (SCI-Expanded)
- II. **Stress-strength reliability estimation of a consecutive k-out-of-n system based on proportional hazard rate family**
Demiray D., Kızılaslan F.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.92, no.1, pp.159-190, 2022 (SCI-Expanded)
- III. **Statistical inference of the stress-strength reliability and mean remaining strength of series system with cold standby redundancy at system and component levels**
Cüran G., Kızılaslan F.
Hacettepe Journal Of Mathematics And Statistics, vol.50, no.6, pp.1793-1821, 2021 (SCI-Expanded)
- IV. **E-Bayesian estimation for the proportional hazard rate model based on record values**
KIZILASLAN F.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.48, no.2, pp.350-371, 2019 (SCI-

Expanded)

- V. **Classical and Bayesian estimation of reliability in a multicomponent stress-strength model based on a general class of inverse exponentiated distributions**
KIZILASLAN F.
STATISTICAL PAPERS, vol.59, no.3, pp.1161-1192, 2018 (SCI-Expanded)
- VI. **Estimation of reliability in a multicomponent stress-strength model based on a bivariate Kumaraswamy distribution**
KIZILASLAN F., NADAR M.
STATISTICAL PAPERS, vol.59, no.1, pp.307-340, 2018 (SCI-Expanded)
- VII. **Some reliability characteristics and stochastic ordering of series and parallel systems of bivariate generalized exponential distribution**
KIZILASLAN F.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.88, no.3, pp.553-574, 2018 (SCI-Expanded)
- VIII. **Statistical inference of $P(X < Y)$ for the Burr Type XII distribution based on records**
KIZILASLAN F., NADAR M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.4, pp.713-742, 2017 (SCI-Expanded)
- IX. **Classical and Bayesian estimation of reliability in a multicomponent stress-strength model based on the proportional reversed hazard rate mode**
KIZILASLAN F.
MATHEMATICS AND COMPUTERS IN SIMULATION, vol.136, pp.36-62, 2017 (SCI-Expanded)
- X. **The E-Bayesian and hierarchical Bayesian estimations for the proportional reversed hazard rate model based on record values**
KIZILASLAN F.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.87, no.11, pp.2253-2273, 2017 (SCI-Expanded)
- XI. **Estimation of Reliability in a Multicomponent Stress-Strength Model Based on a Marshall-Olkin Bivariate Weibull Distribution**
NADAR M., KIZILASLAN F.
IEEE TRANSACTIONS ON RELIABILITY, vol.65, no.1, pp.370-380, 2016 (SCI-Expanded)
- XII. **Estimation and prediction of the Kumaraswamy distribution based on record values and inter-record times**
KIZILASLAN F., NADAR M.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.86, no.12, pp.2471-2493, 2016 (SCI-Expanded)
- XIII. **Estimation and prediction of the Burr type XII distribution based on record values and inter-record times**
NADAR M., KIZILASLAN F.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.85, no.16, pp.3297-3321, 2015 (SCI-Expanded)
- XIV. **Estimation with the generalized exponential distribution based on record values and inter-record times**
KIZILASLAN F., NADAR M.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.85, no.5, pp.978-999, 2015 (SCI-Expanded)
- XV. **Classical and Bayesian estimation of using upper record values from Kumaraswamy's distribution**
NADAR M., KIZILASLAN F.
STATISTICAL PAPERS, vol.55, no.3, pp.751-783, 2014 (SCI-Expanded)
- XVI. **Classical and Bayesian estimation of $P(Y < X)$ for Kumaraswamy's distribution**
NADAR M., KIZILASLAN F., Papadopoulos A.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.84, no.7, pp.1505-1529, 2014 (SCI-Expanded)
- XVII. **Statistical analysis for Kumaraswamy's distribution based on record data**
NADAR M., Papadopoulos A., KIZILASLAN F.
STATISTICAL PAPERS, vol.54, no.2, pp.355-369, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Estimation of stress-strength reliability of a parallel system with cold standby redundancy at component level**
Cüran G., Kizilaslan F.
Istatistik Journal of The Turkish Statistical Association, vol.13, no.2, pp.74-87, 2021 (Peer-Reviewed Journal)
- II. **Stochastic comparisons of series and parallel systems with independent heterogeneous Gumbel and truncated Gumbel components**
KIZILASLAN F.
International Journal of Quality & Reliability Management, vol.38, no.8, pp.1771-1791, 2021 (ESCI)
- III. **Estimation of Reliability in a Multicomponent Stress–Strength Model for a General Class of Inverted Exponentiated Distributions Under Progressive Censoring**
Tripathi Y. M., KIZILASLAN F., Mahto A. K.
Journal of Statistical Theory and Practice, vol.14, no.4, 2020 (ESCI)
- IV. **Stress-Strength Reliability Estimation for the Type I Extreme-Value Distribution Based on Records**
KIZILASLAN F.
International Journal of Advances in Engineering and Pure Sciences, vol.31, pp.214-222, 2019 (Peer-Reviewed Journal)
- V. **The mean remaining strength of parallel systems in a stress-strength model based on exponential distribution**
KIZILASLAN F.
Communications Faculty Of Science University of Ankara Series A1Mathematics and Statistics, vol.68, no.2, pp.1435-1451, 2019 (ESCI)
- VI. **Comparing the Fisher information matrix in record values and random observations for the general class of exponentiated distributions**
KIZILASLAN F.
JOURNAL OF STATISTICAL THEORY AND APPLICATIONS, vol.16, no.4, pp.589-604, 2017 (ESCI)
- VII. **Classical and Bayesian Estimation of Reliability in Multicomponent Stress Strength Model Based on Weibull Distribution**
NADAR M., KIZILASLAN F.
Revista Colombiana de Estadística, vol.38, pp.467-484, 2015 (Scopus)
- VIII. **Estimations for proportional reversed hazard rate model distributions based on upper record values and inter record times**
KIZILASLAN F., NADAR M.
İSTATİSTİK, Journal of the Turkish Statistical Association, vol.7, pp.55-62, 2014 (Peer-Reviewed Journal)
- IX. **Classical and Bayesian Analysis for The Generalized Exponential Distribution Based on Record Values and Times**
KIZILASLAN F., NADAR M.
Anadolu University Journal of Science and Technology-B, Theoretical Sciences, vol.2, pp.111-120, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Stress-strength reliability estimation of series system with cold standby redundancy at system and component levels**
CÜRAN G., KIZILASLAN F.
Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics (y-BIS 2019), İstanbul, Turkey, 25 - 28 September 2019
- II. **Statistical Inference of Consecutive k-out-of-n System in Stress-Strength Setup Based on**

Proportional Hazard Rate Family

DEMİRAY D., KIZILASLAN F.

Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics (Y-BIS 2019), İstanbul, Turkey, 25 - 28 September 2019

- III. **Estimation of Reliability for Consecutive k-out-of-n System in Stress-Strength Setup Based on Proportional Hazard Rate Family**
Demiray D., KIZILASLAN F.
11. International Statistics Days Conference, 3 - 07 October 2018, pp.579-587
- IV. **Stochastic comparisons of series and parallel systems with Gumbel distributed components**
KIZILASLAN F.
13th International Conference on Ordered Statistical Data (OSD2018), Cadiz, Spain, 22 - 25 May 2018
- V. **Some reliability characteristics of bivariate generalized exponential distribution**
KIZILASLAN F.
10th International conference on Mathematical Methods in Reliability-MMR 2017, Grenoble, France, 3 - 06 July 2017
- VI. **Estimation of the mean remaining strength of parallel systems in a stress-strength model based on exponential distribution**
KIZILASLAN F.
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYC-2017), Konya, Turkey, 24 - 26 May 2017
- VII. **Classical and Bayesian estimation of reliability in a multicomponent stress strength model based on the proportional reversed hazard rate model**
KIZILASLAN F.
X th International Statistics Days Conference – ISDC'2016, Giresun, Turkey, 7 - 09 October 2016
- VIII. **Reliability properties of systems with Marshall Olkin bivariate Weibull distribution**
KIZILASLAN F.
The International Conference on Trends and Perspectives in Linear Statistical Inference (Linstat2016), İstanbul, Turkey, 22 - 25 August 2016
- IX. **Multicomponent stress strength reliability for a multivariate Weibull distribution**
KIZILASLAN F.
10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, 28 June - 01 July 2016
- X. **Estimation of reliability in a multicomponent stress strength model based on bivariate generalized exponential distribution**
NADAR M., KIZILASLAN F.
9th International Statistics Congress, Antalya, Turkey, 28 October - 01 November 2015
- XI. **Estimation of reliability in multicomponent stress strength model based on Marshall Olkin Weibull distribution**
NADAR M., KIZILASLAN F.
International Congress in Honour of Prof. Ravi P. Agarwal, Bursa, Turkey, 23 - 26 June 2014
- XII. **Estimations for proportional reversed hazard rate model distributions based on upper record values and inter record times**
KIZILASLAN F., NADAR M.
9th International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014
- XIII. **Bayesian and Non Bayesian analysis for the Burr Type XII distribution based on record values and inter record times**
KIZILASLAN F., NADAR M.
The 7th International Days of Statistics and Economics, Prague, Czech Republic, 19 - 21 September 2013, pp.601-610
- XIV. **Classical and Bayesian analysis for the generalized exponential distribution based on record values and times**
KIZILASLAN F., NADAR M.

8th International Symposium of Statistics, Eskişehir, Turkey, 11 - 13 October 2012

XV. **Classical and Bayesian estimation of $P(Y|X)$ for Kumaraswamy's distribution**

NADAR M., KIZILASLAN F., PAPADOPOULOS A.

International Conference on Applied Analysis and Algebra, İstanbul, Turkey, 29 June - 02 July 2011

XVI. **Classical and Bayesian estimation of $P(X|Y)$ using upper record values from Kumaraswamy s distribution**

KIZILASLAN F., NADAR M., PAPADOPOULOS A.

Yeditepe International Research Conference on Bayesian Learning, İstanbul, Turkey, 15 - 17 June 2011

XVII. **Kumaraswamy Dağılımı İçin Bayes Ve Bayes Olmayan Tahmin Ediciler**

KIZILASLAN F.

Uluslararası 7. İstatistik Kongresi, Antalya, Turkey, 28 April - 01 May 2011

XVIII. **Genişletilmiş Stokastik İntegral Süreçleri İçin Lokal Zaman**

NADAR M., KIZILASLAN F.

Ulusal Mekanik Kongresi, Kayseri, Turkey, 22 - 26 June 2009, pp.881-892

Scientific Refereeing

- I. JOURNAL OF APPLIED STATISTICS, SCI Journal, September 2019

Metrics

Publication: 44

Citation (WoS): 224

Citation (Scopus): 294

H-Index (WoS): 9

H-Index (Scopus): 12

Scholarships

- I. 2219 Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2018 - 2018
- II. 2211 Yurt İçi Lisansüstü Burs Programı, TÜBİTAK, 2007 - 2015

Coaching Duties

Refereeing Duties
