

## Asst. Prof. FİKİRİYE KURTOĞLU

### Personal Information

**Email:** fkurtoğlu@cu.edu.tr

**Web:** <https://avesis.cu.edu.tr//fkurtoğlu>

### International Researcher IDs

ORCID: 0000-0001-9956-7741

Publons / Web Of Science ResearcherID: T-2914-2018

Yoksis Researcher ID: 110705

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Bölümü / Olasılık Teorisi Ve Olasılık Süreçleri Anabilimdalı, Turkey 2011 - 2017

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Bölümü / İstatistik Anabilimdalı, Turkey 2008 - 2011

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, İstatistik Bölümü, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, ESTIMATION METHODS IN GENERALIZED LINEAR MODELS, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Bölümü / İstatistik Anabilimdalı, 2017

Postgraduate, QUANTILE REGRESYON:TEORİSİ VE UYGULAMALARI, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Bölümü / İstatistik Anabilimdalı, 2011

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, National Defense University, Naval Academy, Department Of Basic Courses, 2019 - Continues

Research Assistant PhD, Cukurova University, Fen Edebiyat Fakültesi, İstatistik Bölümü, 2018 - 2019

Research Assistant, Cukurova University, Fen Edebiyat Fakültesi, İstatistik Bölümü, 2011 - 2017

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

1. Developed first-order approximated estimators for the gamma distributed response variable

Cetinkaya M. K., KAÇIRANLAR S., KURTOĞLU F.

COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2021 (SCI-Expanded)

- II. **Modified ridge parameter estimators for log-gamma model: Monte Carlo evidence with a graphical investigation**  
KURTOĞLU F.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (SCI-Expanded)
- III. **Restricted ridge estimator in generalized linear models: Monte Carlo simulation studies on Poisson and binomial distributed responses**  
KURTOĞLU F., Ozkale M. R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.48, no.4, pp.1191-1218, 2019 (SCI-Expanded)
- IV. **Restricted Liu estimator in generalized linear models: Monte Carlo simulation studies on gamma and Poisson distributed responses**  
KURTOĞLU F., Ozkale M. R.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.4, pp.1250-1276, 2019 (SCI-Expanded)
- V. **Liu estimation in generalized linear models: application on gamma distributed response variable**  
KURTOĞLU F., Ozkale M. R.  
STATISTICAL PAPERS, vol.57, no.4, pp.911-928, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Prediction Model on Student Performance based on Internal Assessment using Deep Learning**  
Hussain S., Muhsin Z. F., Salal Y. K., Theodorou P., KURTOĞLU F., Hazarika G. C.  
INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES IN LEARNING, vol.14, no.8, pp.4-22, 2019 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Superiority of the First-Order Approximated r-d Class Estimator Over Some Estimators by the Mean Square Error Matrix Criterion in Generalized Linear Models**  
KURTOĞLU F.  
International Congress on Fundamental and Applied Sciences (ICFAS 2017), Sarajevo, Bosnia And Herzegovina, 21 - 25 August 2017, pp.86
- II. **Some Ridge Parameter Estimators for the Restricted Ridge Estimation in Generalized Linear Models**  
KURTOĞLU F.  
International Congress on Fundamental and Applied Sciences (ICFAS 2017), Sarajevo, Bosnia And Herzegovina, 21 - 25 August 2017, pp.82
- III. **On estimating the regression coefficients in generalized linear models via a r-d class estimator**  
KURTOĞLU F., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017, pp.121
- IV. **On ridge parameter estimators for generalized linear mixed models: simulation study on Gamma response variable**  
KURTOĞLU F., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017, pp.162
- V. **On ridge parameter estimators for generalized linear models: Simulation study on Gamma response variable**  
KURTOĞLU F., ÖZKALE M. R.  
3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Konya, Turkey, 24 - 26 May

2017, pp.162

- VI. **First Order Approximated Restricted Liu Estimation in Generalized Linear Models**  
KURTOĞLU F., ÖZKALE M. R.  
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), Nevşehir, Turkey, 18 - 21 May 2016
- VII. **A first-order approximated restricted Liu estimation in generalized linear models**  
KURTOĞLU F., ÖZKALE M. R.  
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), Nevşehir, Turkey, 18 - 21 May 2016, pp.57
- VIII. **Liu estimation in generalized linear models**  
KURTOĞLU F., ÖZKALE M. R.  
PROBSTAT 2015-The Seventh International Conference on Mathematical Statistics, Bratislava, Slovakia, 29 June - 03 July 2015, pp.33
- IX. **Liu estimation in generalized linear models**  
KURTOĞLU F., ÖZKALE M. R.  
PROBSTAT 2015-The Seventh International Conference on Mathematical Statistics, Bratislava, Slovakia, 29 June - 03 July 2015, pp.33
- X. **Restricted ridge estimation of generalized linear models**  
KURTOĞLU F., ÖZKALE M. R.  
International Conference on Trends and Perspectives in Linear Statistical Inference, Linköping, Sweden, 24 - 28 August 2014, pp.59-60
- XI. **İstatistik Bölümü Mezunları için bir Web Sitesi Uygulaması**  
KURTOĞLU F.  
5. İstatistik Öğrenci Kolokiyumu Selçuk Üniversitesi, Turkey, 6 - 07 May 2008

## Metrics

Publication: 17

Citation (WoS): 44

Citation (Scopus): 52

H-Index (WoS): 3

H-Index (Scopus): 3

## Congress and Symposium Activities

3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017), Attendee, Konya, Turkey, 2017

The international conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), Attendee, Nevşehir, Turkey, 2016

The Seventh International Conference on Probability and Statistics (PROBASTAT 2015), Attendee, Slovakia, 2015

Trends and Perspectives in Linear Statistical Inference (LINSTAT2014), Attendee, Linköping, Sweden, 2014

Prof.Dr. Fikri Akdeniz'in Kurumsal Emekliliği Onuruna Düzenlenmiş İstatistik Çalıştayı, Attendee, Adana, Turkey, 2012

International Workshop in Honor of Professor Ömer L. Gebizlioğlu on his 60th Birth Anniversary and his Retirement, Attendee, Ankara, Turkey, 2012

International Conference on Robust Statistics (ICORS2010), Attendee, Praha, Czech Republic, 2010

VI. İstatistik Öğrenci Kolokiyumu, Attendee, Adana, Turkey, 2009

V. İstatistik Öğrenci Kolokiyumu, Attendee, Konya, Turkey, 2008