

## Assoc. Prof. AYTEN YİĞİTER

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik, Turkey 2000 - 2006

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, Hacettepe Üniversitesi, Fen Fakültesi, İstatistik Bölümü, 2010 - Continues

### Advising Theses

YİĞİTER A., Poisson regresyon ve bir uygulama, Postgraduate, G.AÇIKYÜREK(Student), 2016

YİĞİTER A., Bilgi içeren durdurma varlığında yinelemeli olay süreci, Doctorate, H.ÜNLÜ(Student), 2013

YİĞİTER A., Tarama istatistikleri ve Türkiye deprem verilerine uygulaması, Postgraduate, R.BURCU(Student), 2012

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A mixture model with Poisson and zero-truncated Poisson components to analyze road traffic accidents in Turkey**  
KONŞUK ÜNLÜ H., Young D. S. , YİĞİTER A., Hilal Ozcebe L. H.  
Journal of Applied Statistics, 2020 (Journal Indexed in SCI Expanded)
- II. **Modelling claim number using a new mixture model: negative binomial gamma distribution**  
GENÇTÜRK Y., YİĞİTER A.  
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.86, no.10, pp.1829-1839, 2016 (Journal Indexed in SCI)
- III. **An online copy number variant detection method for short sequencing reads**  
YİĞİTER A., CHEN J., An L., Danacioglu N.  
JOURNAL OF APPLIED STATISTICS, vol.42, no.7, pp.1556-1571, 2015 (Journal Indexed in SCI)
- IV. **Change Point Analysis in Earthquake Data**  
YİĞİTER A.

EARTHQUAKE RESEARCH AND ANALYSIS - STATISTICAL STUDIES, OBSERVATIONS AND PLANNING, pp.25-40, 2012 (Journal Indexed in SCI)

- V. **A Bayesian approach to inference about a change point model with application to DNA copy number experimental data**  
Chen J., YİĞİTER A., Chang K.  
JOURNAL OF APPLIED STATISTICS, vol.38, no.9, pp.1899-1913, 2011 (Journal Indexed in SCI)
- VI. **Estimation of change point and compound Poisson process parameters for the earthquake data in Turkey**  
Aktas S., Konsuk H., Yigiter A.  
ENVIRONMETRICS, vol.20, no.4, pp.416-427, 2009 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **A NEW MODEL FOR DATA WITH STRUCTURAL CHANGE AT THRESHOLD: COMPOSITE EXPONENTIAL-LOGNORMAL MODEL**  
GENÇTÜRK Y., YİĞİTER A., HAMURKAROĞLU C.  
ADVANCES AND APPLICATIONS IN STATISTICS, vol.53, no.4, pp.441-456, 2018 (Journal Indexed in ESCI)
- II. **A Comparison Study of Newton Raphson and Genetic Algorithms for Change Point Problem in Non Homogeneous Poisson Process**  
YİĞİTER A., ÜNLÜ H.  
International Journal of Advanced Research in Computer Science and Software Engineering, 2016 (Refereed Journals of Other Institutions)
- III. **A New Modelling for Recurrent Event Data Under Informative Censoring**  
ÜNLÜ H., YİĞİTER A.  
Turkiye Klinikleri Journal of Biostatistics, vol.8, pp.125-132, 2016 (Refereed Journals of Other Institutions)
- IV. **Investigation of the Change Point in Mean of Normal Sequence Having an Outlier**  
YİĞİTER A., ÇETİN M.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.26, no.4, pp.543-555, 2013 (Journal Indexed in ESCI)
- V. **A Bayesian Analysis for Identifying DNA Copy Number Variations Using a Compound Poisson Process**  
Chen J., YİĞİTER A., Wang Y., Deng H.  
EURASIP JOURNAL ON BIOINFORMATICS AND SYSTEMS BIOLOGY, no.1, 2010 (Journal Indexed in ESCI)
- VI. **TEST FOR A CHANGE POINT IN POISSON PROCESS WITH APPLICATIONS TO THE BRITISH COAL MINING DISASTERS AND THE AIR TRAFFIC FLOW DATA SET**  
YİĞİTER A., Inal C.  
ADVANCES AND APPLICATIONS IN STATISTICS, vol.14, no.2, pp.145-155, 2010 (Journal Indexed in ESCI)

## Books & Book Chapters

- I. **Olasılık ve Olasılık Dağılımları I**  
HAMURKAROĞLU C., YİĞİTER A., AKKUŞ Ö., GENÇTÜRK Y.  
Nobel yayınevi, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Bayesian Conditional Auto Regressive Model for Mapping Respiratory Disease Mortality in Turkey**  
CAN C. E. , BAKACAK L., AKTAŞ ALTUNAY S., YİĞİTER A.  
İSTKON2017, 6 - 08 December 2017

## II. Discretization of Composite Models

GENÇTÜRK Y., YİĞİTER A.

14th Applied Statistics, Ribno(Bled), Slovenia, 24 - 27 September 2017

## III. Some Composite Models and Their Application to Motor Insurance Data

YİĞİTER A., GENÇTÜRK Y., HAMURKAROĞLU C.

10. Uluslararası İstatistik Kongresi, Giresun, Turkey, 7 - 09 October 2016

## IV. Modelling Recurrent Event Data Using Nonhomogeneous Poisson Process

ÜNLÜ H., YİĞİTER A.

15. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 22 - 25 May 2014

## V. Non Homogenous Poisson Process and Change Point Problem

YİĞİTER A., ÜNLÜ H.

16. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 7 - 12 May 2015

## Supported Projects

YİĞİTER A., Project Supported by Higher Education Institutions, Online Değişme Noktası Algoritması ile Kontrol Kart Analiz Tekniklerinin Karşılaştırılması, 2017 - 2017

YİĞİTER A., Project Supported by Higher Education Institutions, Bazı Birleşik Dağılımlar ve Türk Kasko Verisine Uygulanması, 2016 - 2016

YİĞİTER A., Project Supported by Higher Education Institutions, Deney Tasarımları Yöntem ve Uygulamalardaki Son Yenilikler, 2015 - 2016

## Citations

Total Citations (WOS):19

h-index (WOS):2