

## Asst. Prof. BERRİN GÜLTAY

### Personal Information

**Email:** berringultay@comu.edu.tr

**Web:** <https://avesis.comu.edu.tr/637>

### International Researcher IDs

ORCID: 0000-0001-5889-7461

Yoksis Researcher ID: 28310

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Teorisi, Turkey 2009 - 2014

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Teorisi, Turkey 2007 - 2009

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, İstatistik Bölümü, Turkey 2003 - 2007

### Dissertations

Doctorate, GECİKMEŞİ DAĞITILMIŞ MODELLERDE YANLI TAHMİN EDİCİLER, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2014

Postgraduate, ÇOKLU İÇ İLİŞKİ VE EKOLOJİK REGRESYON, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2009

### Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, 2018 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, 2017 - 2018

Research Assistant PhD, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, 2014 - 2017

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, 2010 - 2014

### Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, 2021 - Continues

Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, 2021 - Continues

### Courses

#### Doctorate

Bilgisayarda İleri Eğitim İstatistiği ve Analizi, Doctorate, 2023 - 2024

#### Postgraduate

Nicel Araştırma Yöntemleri ve İstatistiği, Postgraduate, 2022 - 2023

Bilimsel Araştırma Yöntemi ve İstatistiği, Postgraduate, 2023 - 2024

### **Undergraduate**

İstatistiksel Paket Programlama, Undergraduate, 2023 - 2024

Undergraduate, 2023 - 2024

Anket Tasarımı ve Çözümleme, Undergraduate, 2023 - 2024

Lineer Modeller, Undergraduate, 2023 - 2024

İstatistiğe Giriş, Undergraduate, 2021 - 2022

Olasılık Teorisi II, Undergraduate, 2021 - 2022

Undergraduate, 2018 - 2019

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

- I. **Türkiye'de Parti Tercihlerinde Sıradışı İlçelerin Belirlenmesi(2007-2015)**  
ÖZÖZEN KAHRAMAN S., GÜLTAY B.  
AMME IDARESİ DERGİSİ, vol.52, no.3, pp.95-122, 2019 (SSCI)
- II. **Determination of Extraordinary Districts in Party Preferences in Turkey (2007-2015)**  
ÖZÖZEN KAHRAMAN S., GÜLTAY B.  
AMME IDARESİ DERGİSİ, vol.52, no.3, pp.95-122, 2019 (SSCI)
- III. **Comparisons of the alternative biased estimators for the distributed lag models**  
GÜLER H., GÜLTAY B., KAÇIRANLAR S.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.4, pp.3306-3318, 2017 (SCI-Expanded)
- IV. **Mean square error comparisons of the alternative estimators for the distributed lag models**  
GÜLTAY B., KAÇIRANLAR S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.44, no.5, pp.1215-1233, 2015 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **TRADITIONAL COUNTY FAIRS IN TURKEY: MAIN FEATURES AND SPATIAL TEMPORAL DISTRIBUTIONS**  
Çalışkan V., Özözen Kahraman S., Sarış F., Gültay B.  
THE JOURNAL OF INTERNATIONAL SOCIAL RESEARCH, vol.11, no.58, pp.237-253, 2018 (Peer-Reviewed Journal)
- II. **Impact of demographic and socio-economic characteristics of visitors on their preference in Utilisation from functions of traditional county fairs**  
Çalışkan V., Sarış F., Gültay B., Öztürk M. Z.  
International Journal of Arts&Sciences, no.8, pp.105-114, 2015 (Peer-Reviewed Journal)
- III. **Impact of Demographic and Socio Economic Characteristics of Visitors on Their Preference in Utilisation from Functions of Traditional Country Fairs**  
ÇALIŞKAN V., SARIŞ F., GÜLTAY B., ÖZTÜRK M. Z.  
International Journal of Arts and Sciences, 2015 (Peer-Reviewed Journal)
- IV. **Impact of demographic and socio economic characteristics of visitors on their preference in utilization from functions of traditional county fairs**  
ÇALIŞKAN V., SARIŞ F., ÖZTÜRK M. Z., GÜLTAY B.  
International Journal of Arts & Sciences, vol.8, no.4, pp.105-114, 2015 (Peer-Reviewed Journal)

## Books

- I. **Estimation of Parameters Under Stochastic Constraint in Bayesian Regression Model**  
Gültay B.  
in: Research on Mathematics and Science-II, Doç. Dr. Adile Akpınar, Editor, Özgür Yayınevi, Gaziantep, pp.38-51, 2023
- II. Gültay B.  
in: , Doç. Dr. Mehtap ÖZDEN, Editor, Anı Yayıncılık, Ankara, pp.123-133, 2022
- III. **Conflict Responsive Patterns of Labour Migration from Hatay, Turkey to the MENA Countries**  
ÖZÖZEN KAHRAMAN S., GÜLTAY B., SIRKECI I., ÇALIŞKAN V.  
in: Recent Migrations and Refugees in the MENA Region, Rania M. Rafik Khalil, Froilan T. Malit, Jr., Editor, Transnational Publishers, Inc. , London, pp.113-147, 2019
- IV. **Two Geographical Sections Where Traditional County Fairs Cluster in Turkey: Southern Marmara and Western Black Sea Subregions**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
in: Current Researches in Geography, Hasan Arslan/ Mehmet Ali İçbay/ Kosyo Stoychev , Editor, E-Bwn, Polonya, pp.215-224, 2017
- V. **Türkiye'de Geleneksel İlçe Panayırı ziyaretçilerinin Panayırlara İlişkin Tutumları ve Memnuniyet Düzeyleri**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
in: Sosyal ve Beşeri Bilimlere Küresel Yaklaşımlar, "Can C.", "Kilimci A.", Editor, Detay, Ankara, pp.72-82, 2016
- VI. **Economic and Commercial Spatial Connections of the Traditional County Fairs in Turkey**  
ÇALIŞKAN V., ÖZTÜRK M. Z., SARIŞ F., GÜLTAY B.  
in: Research on Cultural Studies, M.A. İçbay, H.Arslan, Editor, Pter Lang, Frankfurt Am Main, pp.273-285, 2016
- VII. **Türk Yüksek Öğretiminde Kadın Katılımı Üzerine Bir Araştırma**  
ÖZÖZEN KAHRAMAN S., ACAR Z., GÜLTAY B.  
Cenkler Matbaacılık, İstanbul, 2013

## Papers Published in Refereed Scientific Meetings

- I. **ON A MODIFIED UNIT DISTRIBUTION WITH THE ASSOCIATED QUANTILE REGRESSION MODEL**  
Korkmaz M. Ç., Gültay B.  
YILDIZ TECHNICAL UNIVERSITY & TURKISH STATISTICAL INSTITUTE12 IRSYSC 2023 7th International Researchers, Statisticians, and Young Statisticians Congress 2-5 November 2023 - İstanbul, TÜRKİYE, İstanbul, Turkey, 2 - 05 November 2023, pp.96
- II. **An Alternative Quantile Regression Model for the Unit Response Based on the New Unit Probability Distribution**  
Gültay B., Korkmaz M. Ç.  
INTERNATIONAL STATISTICS DAYS CONFERENCE , İzmir, Turkey, 13 - 16 October 2022, pp.8
- III. **ULUSLARARASI ÖĞRENCİLİK TEN KALICI GÖÇMENLİĞE: ÇOMÜ ÖRNEĞİ**  
ÖZÖZEN KAHRAMAN S., GÜLTAY B., ÇALIŞKAN V.  
1. ULUSLARARASI İSTANBUL COĞRAFYA KONGRESİ, İstanbul, Turkey, 20 - 22 June 2019
- IV. **HATAY'DAN ORTADOĞU'YA İŞGÜCÜ GÖÇÜNÜN BİLİNMEYENLERİ**  
ÖZÖZEN KAHRAMAN S., ÇALIŞKAN V., GÜLTAY B.  
IX, ULUSLARARASI STK KONGRESİ, Çanakkale, Turkey, 15 - 17 November 2018, pp.573-582
- V. **HATAY'DAN ORTADOĞU'YA İŞGÜCÜ GÖÇÜNÜN BİLİNMEYENLERİ**  
ÖZÖZEN KAHRAMAN S., ÇALIŞKAN V., GÜLTAY B.  
IX, ULUSLARARASI STK KONGRESİ, Çanakkale, Turkey, 15 - 17 November 2018, pp.573-582
- VI. **Uluslararası Öğrencilerin Göç Potansiyelleri: Çanakkale Onsekiz Mart Üniversitesi (ÇOMÜ) Örneği**  
GÜLTAY B., ÖZÖZEN KAHRAMAN S., İSMAİL G., ÇALIŞKAN V.  
978-605-4222-66-7, Çanakkale, Turkey, 15 - 17 November 2018, pp.73-84

- VII. **Continuum Regression and Comparisons of Some Related Estimators**  
GÜLTAY B., Güler H., Kaçıranlar S.  
11th International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018, pp.127
- VIII. **Analysis of Transition Probabilities Between Parties of Voter Preferences with the Ecological Regression Method**  
GÜLTAY B., KAÇIRANLAR S.  
10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017
- IX. **Türkiye'de Sıra Dışı Seçim Çevrelerinin İstikrar ve Değişkenlik Analizi**  
ÖZÖZEN KAHRAMAN S., GÜLTAY B.  
International Congress of the Turkish Association of Geographers, Balıkesir, Turkey, 2 - 04 June 2016, pp.708-710
- X. **Initial Assessment of Public Perception and Acceptance of Geothermal Energy Applications in Canakkale, NW Turkey**  
Cetiner Z. S., Ertekin C., Gultay B.  
European-Geosciences-Union General Assembly, Vienna, Austria, 17 - 22 April 2016, vol.97, pp.194-201
- XI. **Two Geographical Sections Where Traditional Country Fairs Cluster in Turkey Southern Marmara and Western Black Sea Subregions**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
VII.European Conference on Social and Behavioral Sciences (IASSR),Bükreş,Romanya, Bükreş, Romania, 11 - 13 June 2015
- XII. **Türkiye de Geleneksel Panayır Ziyaretçilerinin Panayırlar aİlişkin Tutumları ve Memnuniyet Düzeyleri**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
SSHIF 2015 Social Sciences and Humanities in Focus, 16 - 18 September 2015, pp.48-49
- XIII. **Türkiye'de Geleneksel İlçe Panayır Ziyaretçilerinin Panayırlara İlişkin Tutumları Ve Memnuniyet Düzeyleri**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
SSHIF Social Sciences and Humanities in Focus, Uluslararası Sosyal ve Beşeri Bilimlere Küresel Yaklaşımlar – Kuram ve Uygulamalar Sempozyumu, Polonya Bilimler Akademisi, Varşova/Polonya, Varşova, Poland, 16 - 18 September 2015, pp.48-49
- XIV. **Economic and commercial spatial connectionsof the traditional county fairs in Turkey**  
ÇALIŞKAN V., SARIŞ F., ÖZTÜRK M. Z., GÜLTAY B.  
VIII. European Conference on Social and Behavioral Sciences, Belgrad Serbia, 3 - 06 September 2015
- XV. **Economic and Commercial Spatial Connections of the Traditional County Fairs in Turkey**  
Çalışkan V., Sariş F., Öztürk M. Z., Gultay B.  
VIII. European Conference on Social and Behavioral Sciences ,ECSBS, (IASSR), Belgrade, Serbia, 3 - 06 September 2015, pp.1
- XVI. **Impact Of Demographic And Socio-Economic Characteristics Of Visitors On Their Preference In Utilisation From Functions Of Traditional County Fairs**  
Çalışkan V., Sariş F., GÜLTAY B., Öztürk M. Z.  
International Journal of Arts & Sciences' (IJAS) International Conference for Social Sciences and Humanities, Brüksel, Belgium, 30 June - 03 July 2015, pp.105-114
- XVII. **Two Geographical sections where traditional county fairs cluster in Turkey Southern Marmara and Western Black Sea**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
IASSR VII. European Conference on Social and Behavioral Sciences, 11 - 13 June 2015
- XVIII. **Two Geographical Sections Where Traditional County Fairs Cluster in Turkey: Southern Marmara and Western Black Sea Subregions**  
ÇALIŞKAN V., ÖZÖZEN KAHRAMAN S., SARIŞ F., GÜLTAY B.  
VII. European Conference on Social and Behavioral Sciences (IASSR), Bükreş, Romania, 11 - 13 June 2015, pp.1
- XIX. **Observations on Regional Anomalies at Elections**  
Özözen Kahraman S., GÜLTAY B.

Türkiye Coğrafyacılar Derneği Uluslararası Kongresi, Muğla, Turkey, 4 - 07 June 2014, pp.708-710

**XX. The Silent Migration: Labour Migration from Hatay (Turkey) to MENA Countries**

Özözen Kahraman S., Çalışkan V., GÜLTAY B.

Turkish Migration Conference, Londra, United Kingdom, 30 May - 01 June 2014, pp.35-36

**XXI. Gecikmesi Dağıtılmış Modellerde Alternatif Tahmin Edicilerin Hata Kareler Ortalamalarının Karşılaştırılması**

GÜLTAY B., Kaçıranlar S.

1. Genç İstatistikçiler Sempozyumu, Ankara, Turkey, 10 - 11 September 2013, pp.19

**XXII. Comparisons Of Bayesian Liu and Ridge Type Estimators for Distributed Lag Models**

Türker N., GÜLTAY B., Kaçıranlar S.

8th International Statistics Congress, Antalya, Turkey, 28 - 30 September 2012, pp.269-270

**XXIII. Comparisons Of The Alternative Estimators for The Distributed Lag Models, 8th International Symposium of Statistics**

GÜLTAY B., Güler H., Kaçıranlar S.

8th International Symposium of Statistics, Eskişehir, Turkey, 11 - 13 September 2012, pp.185-187

## Supported Projects

Gültay B., TUBITAK Project, Air Pollution is a Machine Prediction with Learning Algorithms: Çanakkale Province Example, 2024 - 2025

Gültay B., TUBITAK Project, Voters Abroad Evaluation of the Effect on Parliamentary Elections, 2024 - 2025

Gültay B., TUBITAK Project, Artificial Intelligence in Educational Processes Awareness of the Use of Tools: ÇOMÜ Example, 2024 - 2025

Arslan H., Özdemir M., Demir M. K., Tunçer K., Abalı Öztürk Y., Gültay B., Erasmus Project, Anxiety Free Mathematics Education with Robotic Applications in Blended Learning, 2023 - 2025

GÜLTAY B., ÖZÖZEN KAHRAMAN S., KAÇIRANLAR S., Project Supported by Higher Education Institutions, Ekolojik Regresyon Yöntemi ile Seçmen Tercihlerinin Partiler Arası Geçiş Olasılıklarının Analizi (Türkiye 2015 Haziran ve 2015 Kasım Genel Seçimleri), 2018 - 2022

ÖZÖZEN KAHRAMAN S., ÇALIŞKAN V., GÜLTAY B., İSMAİL G., Project Supported by Higher Education Institutions, Çanakkale Onsekiz Mart Üniversitesi'nde Öğrenim Gören Uluslararası Öğrencilerin Göç Potansiyelleri, 2018 - 2021

Çalışkan V., Özözen Kahraman S., Sarış F., TUBITAK Project, Türkiye'de Panayırılar: Geleneksel Bir Ticaret Sisteminin Ekonomik, Sosyal ve Kültürel Etkilerinin Mekansal Analizi, 2013 - 2015

ÖZÖZEN KAHRAMAN S., GÜLTAY B., ACAR DENİZ Z., ERDOĞAN Ö., Project Supported by Higher Education Institutions, Türkiye'de Bilim, Mühendislik ve Teknolojide Kadın Akademisyenler Ağı, 2012 - 2014

ÖZÖZEN KAHRAMAN S., TUBITAK Project, Hatay İlinden Ortadoğu-Kuzey Afrika Ülkelerine İşgücü Göçünde Mekansal Toplumsal Siyasal ve Ekonomik Faktörlerin Etkileri, 2012 - 2013

## Activities in Scientific Journals

Computer Simulation in Application, Committee Member, 2018 - Continues

## Peer Reviews in Scientific Publications

Turkish Studies, SCI Journal, December 2018

Iranian Journal of Science and Technology, Transactions A: Science, SCI Journal, May 2018

Asian Journal of Agricultural Extension Economics & Sociology, Other Indexed Journal, May 2018

Journal of Scientific Research and Reports, Other Indexed Journal, October 2017

IMSEC 2017, Other journals, August 2017

IMSEC 2017, Other journals, July 2017

Communications in Statistics-Theory and Methods, SCI Journal, February 2017

IMSEC 2016, Other journals, June 2016

## **Scientific Consultations**

3rd International Mediterranean Science and Engineering Congress, Scientific Consultancy, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, Turkey, 2018 - Continues

2nd International Mediterranean Science and Engineering Congress, Scientific Consultancy, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, Turkey, 2017 - 2017

1st International Mediterranean Science and Engineering Congress, Scientific Consultancy, Canakkale Onsekiz Mart University, Fen Fakültesi, İstatistik, Turkey, 2016 - 2016

## **Metrics**

Publication: 38

Citation (WoS): 34

Citation (Scopus): 42

H-Index (WoS): 3

H-Index (Scopus): 3

## **Awards**

Gültay B., Yayın Teşvik, Ulakbim, July 2020

GÜLTAY B., Akademik Teşvik, 2018, YÖK, February 2018

GÜLTAY B., Certificate of Excellence in Reviewing, Journal of Scientific Research and the Reports, November 2017

GÜLTAY B., Akademik Teşvik, 2017, YÖK, February 2017

GÜLTAY B., Akademik Teşvik, 2016, YÖK, February 2016

GÜLTAY B., Yayın Teşvik, TUBİTAK-ULAKBİM, November 2015