

## **Res. Asst. PhD AHMET DEMİRALP**

### **Personal Information**

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### **International Researcher IDs**

ORCID: 0000-0002-0981-7215

Publons / Web Of Science ResearcherID: V-5436-2017

Yoksis Researcher ID: 14162

### **Education Information**

Doctorate, Inonu University, Sosyal Bilimler Enstitüsü, Ekonometri (Dr), Turkey 2013 - 2020

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, Turkey 2010 - 2013

Undergraduate, Gazi University, El Sanatları Geleneği, Matematik, Turkey 2006 - 2010

### **Foreign Languages**

English, B2 Upper Intermediate

### **Certificates, Courses and Trainings**

Education Management and Planning, Pedagojik Formasyon, İnönü Üniversitesi/Eğitim Bilimleri Enstitüsü, 2012

### **Dissertations**

Postgraduate, PARABOLİK DENKLEMLER İÇİN SONLU FARK YAKLAŞIMLARI, Inonu University, Fen Bilimleri Enstitüsü, Matematik/ Uygulamalı Matematik, 2013

### **Research Areas**

Social Sciences and Humanities, Econometrics, Statistics, Statistics, Statistical Analysis and Applications, Natural Sciences

### **Academic Titles / Tasks**

Research Assistant, Inonu University, İktisadi Ve İdari Bilimler Fakültesi, Ekonometri, 2014 - Continues

Research Assistant, Harran University, Faculty Of Economics And Administrative Sciences, Ekonometri, 2014 - 2014

Research Assistant, Ardahan University, Faculty Of Economics And Administrative Sciences, İşletme, 2013 - 2014

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

- I. IMPROVING ESTIMATIONS IN QUANTILE REGRESSION MODEL WITH AUTOREGRESSIVE ERRORS  
YÜZBAŞI B., ASAR Y., ŞIK M. Ş., DEMİRALP A.  
THERMAL SCIENCE, vol.22, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. Ardıl-k Sistemler için Önerilen Güvenilirlik Sınırlarının Karşılaştırılması  
DEMİRALP A., GÜNGÖR M.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, pp.877-890, 2021 (Peer-Reviewed Journal)
- II. ON BIRNBAUM'S MEASURE OF COMPONENT IMPORTANCE OF COHERENT SYSTEMS  
BULUT Y., DEMİRALP A., ŞIK M. Ş.  
Eurasian Econometrics, Statistics & Empirical Economics Journal, vol.1, pp.57-64, 2015 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. "EKONOMİK BüYÜME, ENERJİ KULLANIMI VE BEŞERİ SERMAYE ARASINDAKİ İLİŞKİNİN G7 ÜLKELERİ İÇİN EKONOMETRİK ANALİZİ  
CANPOLAT GÖKÇE E., DEMİRALP A.  
in: İKTİSADI, İDARI VE SOSYAL BİLİMLER Teori, Güncel Araştırmalar ve Yeni Eğilimler/2021, ÜNVAN Yüksek Akay, Editor, IVPE, pp.52-64, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. Çoklu Durum Sistem Modelerinin Güvenilirlik Değerlendirmesi  
DEMİRALP A.  
II. International Applied Statistics Conference, Tokat, Turkey, 29 June - 02 July 2021, pp.38
- II. 2-Boyutlu Ardıl-k Sistemlerin Güvenilirliği için Yaklaşımalar  
DEMİRALP A.  
II. International Applied Statistics Conference, Tokat, Turkey, 29 June - 02 July 2021, pp.40
- III. Bound Approximations for Reliability of Circular Consecutive-*k*-out-of-*n* Systems  
Demiralp A., Gündör M.  
1.International Applied Statistics Conference (UYIK 2020), Tokat, Turkey, 1 - 04 October 2020, pp.1
- IV. Investigation of Relations Between Economic Growth, Energy Use and Human Capital with Seemingly Unrelated Regression Model  
Demiralp A., Canpolat E.  
1.International Applied Statistics Conference(UYIK 2020), Tokat, Turkey, 1 - 04 October 2020, pp.96
- V. Otoregresif Hatalarla Kantil Regresyon Modelinde Ön Test Tahmini  
DEMİRALP A., YÜZBAŞI B.  
19. Uluslararası Ekonometri Yöneylem Araştırması Ve İstatistik Sempozyumu, Antalya, Turkey, 17 - 20 October 2018
- VI. İkili Kantil Regresyon İçin Bir Uygulama  
YÜZBAŞI B., DEMİRALP A.  
19. Uluslararası Ekonometri Yöneylem Araştırması Ve İstatistik Sempozyumu, Antalya, Turkey, 17 - 20 October 2018
- VII. Correlation Based Penalty Estimator in Vector Autoregressive Model  
YÜZBAŞI B., DEMİRALP A., GÜNGÖR M.  
11. International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018
- VIII. On Reliability Bounds of Consecutive k-out-of-n:F Systems

- DEMİRALP A., ŞIK M. \$.  
5th Ifs And Contemporary Mathematics Conference, Kahramanmaraş, Turkey, 5 - 09 September 2018
- IX. **Component Importance Measures: A numerical study**  
DEMİRALP A., ŞIK M. \$., GÜNGÖR M.  
5th Ifs And Contemporary Mathematics Conference, Kahramanmaraş, Turkey, 5 - 09 September 2018
- X. **A Study on Reliability Bounds**  
DEMİRALP A., ŞIK M. \$., YÜZBAŞI B.  
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018
- XI. **MEASURES OF SOME SYSTEMS USING SYSTEM SIGNATURE**  
DEMİRALP A., ŞIK M. \$., GÜNGÖR M.  
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018
- XII. **Determining the Importance of Wind Turbine Components**  
ŞIK M. \$., DEMİRALP A.  
10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017
- XIII. **Comparisons of Some Importance Measures**  
DEMİRALP A., ŞIK M. \$.  
10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017
- XIV. **Shrinkage and penalty estimation in quantile regression model with autoregressive errors**  
DEMİRALP A., ASAR Y., YÜZBAŞI B.  
INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING in Applied Sciences, Saint-Petersburg, Russia, 24 - 28 July 2017, pp.224
- XV. **Improved Estimation Strategies in Quantile Regression Model when Errors are Non-iid**  
DEMİRALP A., ASAR Y., YÜZBAŞI B.  
3.International Researchers, Statisticians and Young Statisticians Congress 2017, Konya, Turkey, 24 - 26 May 2017
- XVI. **Computing of Some Importance Measures for Coherent Systems**  
DEMİRALP A., ŞIK M. \$.  
International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017
- XVII. **Pretest and Stein-Type Estimations in Quantile Regression Model**  
YÜZBAŞI B., ASAR Y., ŞIK M. \$., DEMİRALP A.  
Mathematical Methods In Engineering International Symposium, Ankara, Turkey, 27 - 29 April 2017
- XVIII. **Comparison of Some System Reliability Bounds**  
ŞIK M. \$., DEMİRALP A., BULUT Y.  
X. International Statistics Days Conference- ISDC'2016, Giresun, Turkey, 7 - 09 October 2016, pp.111
- XIX. **ON COMPARISON OF COHERENT SYSTEMS VIA DYNAMIC SYSTEM SIGNATURE**  
GÜNGÖR M., DEMİRALP A., BULUT Y., ŞIK M. \$.  
INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS (ICPAM 2015), Van, Turkey, 25 - 28 August 2015
- XX. **Estimation of a Wind Turbine Components' Marginal and Joint Reliability Importance via Monte-Carlo Simulation**  
BULUT Y., ŞIK M. \$., DEMİRALP A.  
THE INTERNATIONAL CONFERENCE ON SCIENCE, ECOLOGY AND TECHNOLOGY I, Viyana, Austria, 25 - 28 August 2015, pp.189
- XXI. **İki Boyutlu Isı Denklemi İçin Fractional Step Yöntemi**  
DEMİRALP A., ÖZDEŞ A.  
12.Matematik Sempozyumu, Ankara, Turkey, 23 - 25 May 2013, pp.299-300

## **Supported Projects**

GÜNGÖR M., DEMİRALP A., Project Supported by Higher Education Institutions, n'den Ardıl k Çıkışlı Sistemlerin Güvenilirliği İçin Sınır Yaklaşımı, 2018 - 2020

YÜZBAŞI B., ASAR Y., ŞIK M. Ş., DEMİRALP A., Project Supported by Higher Education Institutions, Lineer Kantil Regresyon Modeller İçin Ön test ve Stein-tipi Tahmincileri Stratejileri, 2017 - 2018

## **Metrics**

Publication: 25

Citation (WoS): 3

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 1

## **Congress and Symposium Activities**

10th International Statistics Congress, Attendee, Ankara, Turkey, 2017

International Conference on Mathematical Modelling in Applied Sciences, Attendee, Sankt Peterburg, Russia, 2017

International Conference on Mathematics and Mathematics Education, Attendee, Şanlıurfa, Turkey, 2017

3.International Researchers, Statisticians and Young Statisticians Congress, Attendee, Konya, Turkey, 2017

Mathematical Methods in Engineering International Symposium, Attendee, Ankara, Turkey, 2017

X. International Statistics Days Conference- ISDC'2016, Attendee, Giresun, Turkey, 2016

International Conference on Pure and Applied Mathematics, Attendee, Van, Turkey, 2015

12.Matematik Sempozyumu, Attendee, Ankara, Turkey, 2013