

## Res. Asst. PhD BUSENUR KIZILASLAN

### Personal Information

**Email:** busenur.sarica@marmara.edu.tr

**Web:** <https://github.com/busenurk>

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Statistics, Turkey 2015 - 2020

Post Graduate, Mimar Sinan Fine Arts University, Institute Of Science, Statistics, Turkey 2014 - 2015

Under Graduate, Mimar Sinan Fine Arts University, Faculty Of Science And Letters, Department Of Statistics, Turkey 2008 - 2012

### Dissertations

Doctorate, A New Intuitionistic Fuzzy Inference System For Forecasting, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Statistics, 2020

Post Graduate, A New Hybrid Method for Time Series Forecasting: AR-ANFIS, Mimar Sinan Fine Arts University, Institute Of Science, Statistics, 2015

### Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Statistics, Statistical Analysis and Applications

### Academic Titles / Tasks

Research Assistant PhD, Marmara University, Faculty Of Arts And Sciences, Statistics, 2020 - Continues

Research Assistant, Marmara University, Faculty Of Arts And Sciences, Statistics, 2014 - 2020

### Courses

Statistical Quality Control, Under Graduate, 2020 - 2021

Computer III, Under Graduate, 2020 - 2021

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

- I. **Intuitionistic fuzzy ridge regression functions**  
KIZILASLAN B., Egrioglu E., EVREN A. A.  
Communications in Statistics: Simulation and Computation, vol.49, pp.699-708, 2020 (Journal Indexed in SCI)
- II. **A new hybrid method for time series forecasting: AR-ANFIS**  
Sarica B., EĞRİOĞLU E., AŞIKGİL B.  
NEURAL COMPUTING & APPLICATIONS, vol.29, pp.749-760, 2018 (Journal Indexed in SCI)
- III. **Particle swarm optimization based Liu-type estimator**

İNAN D., EĞRİOĞLU E., Sarica B., AŞKIN Ö. E., TEZ M.

COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, pp.11358-11369, 2017 (Journal Indexed in SCI)

## Books & Book Chapters

### I. Recurrent ANFIS for Time Series Forecasting

SARICA B., EĞRİOĞLU E., AŞIKGİL B.

in: Advances in Time Series Forecasting, Aladag Cagdas Hakan, Editor, Bentham Science, pp.156-164, 2017

## Refereed Congress / Symposium Publications in Proceedings

### I. Intuitionistic Fuzzy Liu-Type Regression Functions

KIZILASLAN B., EĞRİOĞLU E., EVREN A. A.

21st European Young Statisticians Meeting, Belgrade, Serbia And Montenegro, 28 July - 02 August 2019

### II. Intuitionistic Fuzzy Ridge Regression Function

KIZILASLAN B., EĞRİOĞLU E., EVREN A. A.

International Conference on Trends and Perspectives in Linear Statistical Inference, Bedlewo, Poland, 20 - 24 August 2018

### III. Proportional hazards regression models censored data fuzzy c means algorithm multivariate Gaussian membership function

İNAN D., AŞKIN Ö. E., SARICA B.

Xth International Statistics Days Conference (ISDC'2016), Giresun, Turkey, 7 - 09 October 2016

### IV. Bootstrapped AR ANFIS Approach

SARICA B., EĞRİOĞLU E.

Xth International Statistics Days Conference (ISDC'2016), Giresun, Turkey, 7 - 09 October 2016

### V. Moving Block Bootstrap based ANFIS Approaches for Forecasting

SARICA B., EĞRİOĞLU E.

International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016), İstanbul, Turkey, 22 - 25 August 2016

### VI. Modeling of Replicated Response Measures by using Interval Arithmetic

SARICA B., TÜRKŞEN Ö., KAHRAMAN C.

The 10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, 28 June - 01 July 2016

### VII. A Novel Modelling Approach to Increase the Explained Risk in the Proportional Hazards Regression

İNAN D., AŞKIN Ö. E., SARICA B.

The 10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, 28 June - 01 July 2016

### VIII. Recurrent ANFIS for Time Series Forecasting

SARICA B., EĞRİOĞLU E., AŞIKGİL B.

The 4th International Fuzzy Systems Symposium, İstanbul, Turkey, 5 - 06 November 2015

### IX. A New Hybrid Method for Time Series Forecasting

SARICA B., EĞRİOĞLU E., AŞIKGİL B.

The Seventh International Conference on Mathematical Statistics, Smolenice, Slovakia, 29 June - 03 July 2015

### X. Particle Swarm Optimization Based Liu Type Estimator

İNAN D., EĞRİOĞLU E., TEZ M., SARICA B.

The Seventh International Conference on Mathematical Statistics, Smolenice, Slovakia, 29 June - 03 July 2015

## **Tasks In Event Organizations**

Kızılaslan B., Y-BIS 2019 : Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics, Scientific Congress, İstanbul, Turkey, Eylül 2019

Kızılaslan B., LinStat'2016: International Conference on Trends and Perspectives in Linear Statistical Inference, Scientific Congress, İstanbul, Turkey, Ağustos 2016

## **Invited Congress and Symposium Activities**

21st European Young Statisticians Meeting, Attendee, Belgrade, Serbia, 2019

## **Citations**

Total Citations (WOS):19

h-index (WOS):2

## **Invited Talks**

International Conference on Trends and Perspectives in Linear Statistical Inference, Conference, International Conference on Trends and Perspectives in Linear Statistical Inference, Slovakia, June 2021

## **Awards**

Kızılaslan B., Young Scientists Awards - 2nd, Linstat 2018 Committee, August 2018