

## ÖZGEÇMİŞ

1. Adı Soyadı : **Ufuk YOLCU**
2. Doğum Tarihi : **15.06.1977**
3. Unvanı : **Doç. Dr.**
4. Öğrenim Durumu : **Doktora**
5. Çalıştığı Kurum : **Giresun Üniversitesi**

Derece	Alan	Üniversite	Yıl
Lisans	İstatistik	Ondokuz Mayıs Üniversitesi	1999-2003
Y. Lisans	İstatistik	Ondokuz Mayıs Üniversitesi	2007-2008
Doktora	İstatistik	Ondokuz Mayıs Üniversitesi	2008-2011
Post-Doktora	İstatistik	University of Surrey	2015-2016

### 6. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi : 2011  
Doçentlik Tarihi : 2014  
Profesörlük Tarihi :

### 7. Yönetilen Yüksek Lisans ve Doktora Tezleri

- 6.1. Yüksek Lisans Tezleri  
6.2. Doktora Tezleri

### 8. Yayınlar

#### 8.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)

- 8.1.1. **Yolcu U.**, Egrioglu E., Bas E., Dalar A.Z. Median-Pi artificial neural network for forecasting, *Neural Computing and Applications*, 2017 (DOI 10.1007/s00521-017-3002-z)
- 8.1.2. Cagcag Yolcu O., Bas E., Egrioglu E., **Yolcu U.**, Single multiplicative neuron model artificial neural network with autoregressive coefficient for time series modelling, *Neural Processing Letters*, 2017. (DOI 10.1007/s11063-017-9686-3).
- 8.1.3. Yalcinkaya A., Senoglu B., **Yolcu U.**, Maximum likelihood estimation for the parameters of skew normal distribution using genetic algorithm, *Swarm and Evolutionary Computation*, 2017, (<https://doi.org/10.1016/j.swevo.2017.07.007>)
- 8.1.4. **Yolcu U.**, A new approach based on optimization of ratio for seasonal fuzzy time series, *Iranian Journal of Fuzzy Systems*, 13(2), 19-36, 2016
- 8.1.5. Cagcag Yolcu O., **Yolcu U.**, Egrioglu E., Aladag C.H., A High Order Fuzzy Time Series Forecasting Method Based On Operation Of Intersection, *Applied Mathematical Modelling*, 40(19-20), 8750-8765, 2016.
- 8.1.6. Gundogdu, O., Egrioglu, E., Aladag, C. H., **Yolcu, U.** Multiplicative Neuron Model Artificial Neural Network Based on Gauss Activation Function. *Neural Computing and Application*, 27, 927-935, 2016.
- 8.1.7. **Cagcag O., Yolcu, U.**, Egrioglu E., A New Robust Regression Method Based On Particle Swarm Optimization, *Communication in Statistics: Theory and Methods*, 44, 1270-128, 2015.

- 8.1.8.** Egrioglu E., **Yolcu U.**, Aladag C.H., Bas E. Recurrent multiplicative neuron model artificial neural network for non-linear time series forecasting, *Neural Processing Letters*, 41, 249-258, 2015.
- 8.1.9.** Bas E., Egrioglu E., Aladag C.H., **Yolcu U.** Fuzzy-time-series network used to forecast linear and nonlinear time series, *Applied Intelligence*, 43, 343–355, 2015.
- 8.1.10.** **Yolcu U.**, Bas E., Egrioglu E., Aladag C.H. A new multilayer feed forward network model based on trimmed mean neuron model, *Neural Network World*, 25(6), 587-602, 2015.
- 8.1.11.** Egrioglu E., Khashei, M. Aladag, C.H., Turksen, I.B. **Yolcu, U.** Advanced Time Series Forecasting Methods, *Mathematical Problems In Engineering*, Article Number: 918045, DOI: 10.1155/2015/918045, 2015.
- 8.1.12.** **Yolcu U.**, Cagcag O., Aladag C.H., Egrioglu E., An Enhanced Fuzzy Time Series Forecasting Method Based On Artificial Bee Colony, *Journal Of Intelligent And Fuzzy Systems*, **26** (6) 2627-2637, 2014.
- 8.1.13.** Bas E., Uslu V.R., **Yolcu U.**, Egrioglu E. A modified genetic algorithm for fuzzy time series to find the optimal interval lengths, *Applied Intelligence*, 41(2), 453-463, 2014.
- 8.1.14.** Aladag C.H., **Yolcu U.**, Egrioglu E., Bas E. Fuzzy lagged variable selection in fuzzy time series with genetic algorithms, *Applied Soft Computing*, 22, 465-473, 2014.
- 8.1.15.** Uslu V.R., Bas E., **Yolcu U.**, Egrioglu E. A fuzzy time series approach based on weights determined by the number of recurrences of fuzzy relations, *Swarm and Evolutionary Computation*, 15, 19–26, 2014.
- 8.1.16.** Aladag C.H., Egrioglu E., **Yolcu U.**, Robust Multilayer Neural Network Based On Median Neuron Model, *Neural Comput & Applic*, 24 (3-4), 945-956, 2014.
- 8.1.17.** Aladag C.H., Egrioglu E., **Yolcu U.**, Uslu V.R., A High Order Seasonal Fuzzy Time Series Model And Application To International Tourism Demand Of Turkey, *Journal Of Intelligent And Fuzzy Systems*, 26 (1), **295-302**, 2014.
- 8.1.18.** **Yolcu U.**, Egrioglu E., Aladag C.H., A New Linear & Nonlinear Artificial Neural Network Model For Time Series Forecasting, *Decision Support Systems*, 54, 1340-1347, 2013.
- 8.1.19.** Aladag C.H., **Yolcu U.**, Egrioglu E., A New Multiplicative Seasonal Neural Network Model Based On Particle Swarm Optimization, *Neural Processing Letters*, 37 (3), 251-262, 2013.
- 8.1.20.** **Yolcu U.**, Aladag C.H., Egrioglu E., Uslu V.R., **Time Series Forecasting With A Novel Fuzzy Time Series Approach: An Example For Istanbul Stock Market**, *Journal Of Statistical Computation And Simulation*, 83(4), 597-610, 2013.
- 8.1.21.** Egrioglu E., **Yolcu U.**, Aladag C.H., Kocak C., [An ARMA Type Fuzzy Time Series Forecasting Method Based On Particle Swarm Optimization](#), *Mathematical Problems In Engineering*, Volume 2013, Article Number 935815, 2013.
- 8.1.22.** Egrioglu E., Aladag C.H., **Yolcu U.**, Fuzzy Time Series Forecasting With A Novel Hybrid Approach Combining Fuzzy C-Means And Neural Networks, *Expert Systems With Applications*, 40, 854-857, 2013.

- 8.1.23.** Aladag C.H., **Yolcu U.**, Egrioglu E., Dalar A.Z., A New Time Invariant Fuzzy Time Series Forecasting Method Based On Particle Swarm Optimization, *Applied Soft Computing*, 12, 3291-3299, 2012.
- 8.1.24.** Aladag C.H., Egrioglu E., **Yolcu U.**, 2012. A Simulation Based Approach To Calculate The Fuzzy Correlation Coefficient Of Fuzzy Observations, *Hacettepe Journal Of Mathematics And Statistics*, 41(3), 361-364, 2012.
- 8.1.25.** Alpaslan F., Cagcag O., Aladag C.H., **Yolcu U.**, E. Egrioglu, A Novel Seasonal Fuzzy Time Series Method, *Hacettepe Journal Of Mathematics And Statistics*, 41(3), 375-385, 2012.
- 8.1.26.** Egrioglu E., Aladag C.H., **Yolcu U.**, Uslu V.R., Erilli N.A., Fuzzy Time Series Forecasting Method Based On Gustafson-Kessel Fuzzy Clustering, *Expert Systems With Applications*, 38, 10355-10357, 2011.
- 8.1.27.** Erilli N.A., **Yolcu U.**, Egrioglu E., Aladag C.H., Oner Y., Determining The Most Proper Number Of Cluster In Fuzzy Clustering By Using Artificial Neural Networks, *Expert Systems With Applications*, 38, 2248-2252, 2011.
- 8.1.28.** Egrioglu E., Aladag C.H., Basaran M.A., Uslu V.R., **Yolcu U.**, A New Approach Based On The Optimization Of The Length Of Intervals In Fuzzy Time Series, *Journal Of Intelligent And Fuzzy Systems*, 22, 15-19, 2011.
- 8.1.29.** Aladag C.H., Egrioglu E., **Yolcu U.**, Forecast Combination Using Artificial Neural Networks, *Neural Processing Letters*, 32, 269-276, 2010.
- 8.1.30.** Aladag C.H., **Yolcu U.**, Egrioglu E., A High Order Fuzzy Time Series Forecasting Model Based On Adaptive Expectation And Artificial Neural Networks, *Mathematics And Computers In Simulation*, 81, 875-882, 2010.
- 8.1.31.** Egrioglu E., Aladag C.H., **Yolcu U.**, Uslu V.R., Basaran M.A., Finding An Optimal Interval Length In High Order Fuzzy Time Series, *Expert Systems With Applications*, 37, 5052-5055, 2010.
- 8.1.32.** Aladag C.H., Basaran M.A., Egrioglu E., **Yolcu U.**, Uslu V.R., Forecasting In High Order Fuzzy Times Series By Using Neural Networks To Define Fuzzy Relations, *Expert Systems With Applications*, 36, 4228-423, 2009.
- 8.1.33.** **Yolcu U.**, Egrioglu E., Uslu V.R., Basaran M.A., Aladag C.H., A New Approach For Determining The Length Of Intervals For Fuzzy Time Series, *Applied Soft Computing*, 9, 647-651, 2009.
- 8.1.34.** Egrioglu E., Aladag C.H., **Yolcu U.**, Basaran M.A., Uslu V.R., A New Hybrid Approach Based On SARIMA And Partial High Order Bivariate Fuzzy Time Series Forecasting Model, *Expert Systems With Applications*, 36, 7424-7434, 2009.
- 8.1.35.** Egrioglu E., Aladag C.H., **Yolcu U.**, Uslu V.R., Basaran M.A., A New Approach Based On Artificial Neural Networks For High Order Multivariate Fuzzy Time Series, *Expert Systems With Applications*, 36, 10589-10594, 2009.

## 8.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- 8.2.1.** Akdeniz E., Egrioglu E., Bas E., **Yolcu U.** An ARMA type Pi-Sigma artificial neural network for nonlinear time series forecasting, *Journal of Artificial Intelligence and Soft Computing Research*, 2017. (Accepted Paper)

- 8.2.2.** Bas E., **Yolcu U.**, Egrioglu E., Cagcag Yolcu O., Dalar A.Z. Single multiplicative neuron model artificial neuron network trained by bat algorithm for time series forecasting, *American Journal Of Intelligent Systems*, 6(3), 74-77, 2016.
- 8.2.3.** **Yolcu U.**, Bas E. The forecasting of labour force participation and the unemployment rate in Poland and Turkey using fuzzy time series methods, *Comparative Economic Research*, 19(2), 5-25, 2016.
- 8.2.4.** Aladag C.H., **Yolcu U.**, Egrioglu E., Turksen I.B. Type-1 fuzzy time series function method based on binary particle swarm optimization, *International Journal of Data Analysis Techniques and Strategies*, 8(1), 2-13, 2016.
- 8.2.5.** Egrioglu E., Aladag C.H., **Yolcu U.**, Dalar A.Z. A Hybrid High Order Fuzzy Time Series Forecasting Approach Based on PSO and ANNs Methods, *American Journal of Intelligent Systems*, 6(1), 22-29, 2016.
- 8.2.6.** Egrioglu E., Bas E., Aladag C.H., **Yolcu U.** Probabilistic fuzzy time series method based on artificial neural network, *American Journal Of Intelligent Systems*, 6(2), 42-47, 2016.
- 8.2.7.** Bas E., **Yolcu U.**, Egrioglu E., Aladag C.H. A fuzzy time series forecasting method based on operation of union and feed forward artificial neural network, *American Journal of Intelligent Systems*, 5(3), 81-91, 2015.
- 8.2.8.** Egrioglu E., Aladag C.H., **Yolcu U.**, Dalar A.Z. A New Hybrid Fuzzy Time Series Forecasting Approach Based on Intelligent Optimization, *American Journal of Intelligent Systems*, 5(4), 97-108, 2015.
- 8.2.9.** Kocak C, Egrioglu E., **Yolcu U.** Recurrent Type Fuzzy Time Series Forecasting Method Based on Artificial Neural Networks, *American Journal of Operational Research*, 5(5), 111-124, 2015.
- 8.2.10.** Egrioglu E., Aladag C.H., **Yolcu U.**, Bas E. A new adaptive network based fuzzy inference system for time series forecasting, *Aloy Journal of Soft Computing and Applications*, 2(1), 25-32, 2014.
- 8.2.11.** Bas E., Uslu V.R., **Yolcu U.**, Egrioglu E. A fuzzy time series approach using de/best/1 mutation strategy of differential evolution algorithm, *Aloy Journal of Soft Computing and Applications*, 2(2), 60-69, 2014.
- 8.2.12.** Dalar A.Z., Egrioglu E., **Yolcu U.**, Ilter D., Gundogdu O., An Investigation Of Differencing Effect In Multiplicative Neuron Model Artificial Neural Network For Istanbul Stock Exchange Time Series Forecasting, *American Journal Of Intelligent Systems*, 4(1), 15-19, 2014.
- 8.2.13.** Kocak C, Egrioglu E., **Yolcu U.**, Aladağ C.H., Computing Fuzzy Cronbach Alpha Reliability Coefficient for Fuzzy Survey Data, *American Journal of Intelligent Systems*, 4(5), 204-213, 2014.
- 8.2.14.** Aladag C.H., Turksen I.B., Dalar A.Z., Egrioglu E., **Yolcu U.**, Application Of Type-1 Fuzzy Functions Approach For Time Series Forecasting, *Turkish Journal of Fuzzy Systems*, 5 (1), 1-9, 2014.
- 8.2.15.** Uslu V.R., Bas E., **Yolcu U.**, Egrioglu E. A new fuzzy time series analysis approach by using differential evolution algorithm and chronologically-determined weights, *Journal of Social and Economic Statistics*, 2(1), 18-30, 2013.

- 8.2.16.** Bas E., Uslu V.R., **Yolcu U.**, Egrioglu E. A fuzzy time series analysis approach by using differential evolution algorithm based on the number of recurrences of fuzzy relations, *American Journal of Intelligent Systems*, 3(2), 75-82, 2013.
- 8.2.17.** **Yolcu U.**, The Forecasting of Istanbul Stock Market with a High Order Multivariate Fuzzy Time Series Forecasting Model, *Turkish Journal of Fuzzy Systems*, 3(2), 118-135, 2012.
- 8.2.18.** Bulut E., **Yolcu U.**, Tasmektepligil M.Y., Egrioglu E., The Use of Partial Least Squares Regression and Feed Forward Artificial Neural Networks Methods in Prediction Vertical and Broad Jumping of Young Football Players, *World Applied Sciences Journal*, 21(4), 572-577, 2013.
- 8.2.19.** Uslu V.R., Bas E., **Yolcu U.**, Egrioglu E., A New Fuzzy Time Series Analysis Approach by Using Differential Evolution Algorithm and Chronologically Determined Weights, *Journal of Social and Economic Statistics*, 2(1), 18-30, 2013.
- 8.2.20.** Egrioglu E., Aladag C.H., **Yolcu U.**, Corba B.S., Cagcag O., Fuzzy Time Series Method Based On Multiplicative Neuron Model and Membership Values, *American Journal of Intelligent Systems*, 3(1), 33-39, 2013.
- 8.2.21.** Cagcag O., **Yolcu U.**, Egrioglu E., Aladag C.H., A Novel Seasonal Fuzzy Time Series Method to the Forecasting of Air Pollution Data in Ankara, *American Journal of Intelligent Systems*, 3(1): 13-19, 2013.

### 8.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- 8.3.1.** Cagcag Yolcu O., Egrioglu E., Bas E., Kocak C., **Yolcu U.**, A new intuitionistic fuzzy functions approach based on IID bootstrap for time series prediction, *I. International Symposium On Economics, Finance and Econometrics*, Istanbul/Turkey, 21-23 September 2017.
- 8.3.2.** **Yolcu U.**, Egrioglu E., Bas E., Dalar A.Z., Cagcag Yolcu O., Robust single multiplicative neuron model artificial neural network with adaptive weights and biases for forecasting, *I. International Symposium On Economics, Finance and Econometrics*, Istanbul/Turkey, 21-23 September 2017.
- 8.3.3.** Cagcag Yolcu O., Bas E., Egrioglu E., **Yolcu U.**, Zaman serisi tahmini için tereddüt derecesine dayalı yeni bir sezgisel bulanık fonksiyon yaklaşımı, *EUREFE'17*, Book Page: 315, Aydın/Turkey, 27-29 July 2017.
- 8.3.4.** Egrioglu E., **Yolcu U.**, Bas E., Parçacık sürü optimizasyonuna dayalı değiştirilmiş Holt yöntemi, *EUREFE'17*, Book Page: 288, Aydın/Turkey, 27-29 July 2017.
- 8.3.5.** Bas E., Egrioglu E., **Yolcu U.**, Winters'in üstel düzeltirme yönteminde parçacık sürü optimizasyonu ile parametre tahmini, *EUREFE'17*, Book Page: 286, Aydın/Turkey, 27-29 July 2017.
- 8.3.6.** Gundogdu O., Egrioglu E., **Yolcu U.**, Bas E., Dalar A.Z., Bootstrapped robust Pi-Sigma artificial neural network based on robust learning algorithm, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Book Page: 159, Konya/Turkey, 24-26 May 2017.

- 8.3.7.** Kocak C., Egrioglu E., **Yolcu U.**, Bas E., An application of ARMA type high order fuzzy time series forecast method based on fuzzy logic relation tables to TAIEX data, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Book Page: 158, Konya/Turkey, 24-26 May 2017.
- 8.3.8.** **Yolcu U.**, Egrioglu E., Bas E., Dalar A.Z., IID bootstrap approach with rejection sampling for Pi-Sigma artificial neural network, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Konya/Turkey, Book Page: 67, 24-26 May 2017.
- 8.3.9.** Dalar A.Z., Bas E., **Yolcu U.**, Egrioglu E., Bagging fuzzy ridge regression functions approach for forecasting, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Book Page: 66, Konya/Turkey, 24-26 May 2017.
- 8.3.10.** Bas E., Egrioglu E., **Yolcu U.**, A robust learning algorithm for Pi-Sigma artificial neural networks based on M-Estimator, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Book Page: 65, Konya/Turkey, 24-26 May 2017.
- 8.3.11.** Cagcag Yolcu O., Bas E., **Yolcu U.**, Egrioglu E., A new intuitionistic time series fuzzy inference system, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Book Page: 64, Konya/Turkey, 24-26 May 2017.
- 8.3.12.** Egrioglu E., **Yolcu U.**, Bas E., Dalar A.Z., A Hybrid forecasting method based on exponential smoothing and multiplicative neuron model artificial neural network, *3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017)*, Book Page: 63, Konya/Turkey, 24-26 May 2017.
- 8.3.13.** **Yolcu U.**, Jin Y., Egrioglu E., An Ensemble of Single Multiplicative Neuron Models for Probabilistic Prediction 2016 *IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2016)*, Athens, Greece, 6-9 December, 2016.
- 8.3.14.** **Yolcu U.**, A Probabilistic Prediction of Time Series based on Sigma-Pi Neural Networks, *Xth International Statistics Days Conference (ISDC'2016)*, Giresun, Turkey, 07-09 October, Proceeding Book p.649-657, 2016.
- 8.3.15.** Egrioglu E., Dalar A.Z., **Yolcu U.**, Bas E., Median-Pi artificial neural network for forecasting, *International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT'2016)*, Book Page: 37, Istanbul/ Turkey, 22-25 August 2016.
- 8.3.16.** Dalar A.Z., **Yolcu U.**, Bas E., Egrioglu E., Bootstrap fuzzy functions for time series forecasting; Application of Borsa Istanbul, *17th International Symposium on Econometrics, Operations Research and Statistics*, Book Page: 362-363, Sivas /Turkey, 02-04 June 2016.
- 8.3.17.** Egrioglu E., **Yolcu U.**, Cagcag Yolcu O., Bas E., A new dynamic weight neural network for BIST 100 modelling, *I. International Black Sea Business Administration Symposium*, Book Page: 602-611, Giresun/Turkey, 16-18 May 2016.

- 8.3.18.** Bas E., Egrioglu E., Cagcag Yolcu O., **Yolcu U.**, A hybrid approach for robust training of single multiplicative neuron model artificial neural networks, *I. International Black Sea Business Administration Symposium*, Book Page: 471-480, Giresun/Turkey, 16-18 May 2016.
- 8.3.19.** Bas E., Egrioglu E., **Yolcu U.**, Type 1 fuzzy function approach based on ridge regression for forecasting of time series, *12th German Probability and Statistics Days 2016 (GPSD 2016)*, Book Page: 188, Bochum/Germany, 01-04 March 2016.
- 8.3.20.** Egrioglu E., Bas E., **Yolcu U.**, A new probabilistic fuzzy inference system for time series forecasting, *12th German Probability and Statistics Days 2016 (GPSD 2016)*, Book Page: 118, Bochum/Germany, 01-04 March 2016.
- 8.3.21.** Egrioglu E., Bas E., Aladag C.H., **Yolcu U.**, A new probabilistic fuzzy time series method, *The 4th International Fuzzy Systems Symposium (FUZZYSS'2015)*, Book Page: 227-231, Istanbul/Turkey, 5-6 November 2015.
- 8.3.22.** Bas E., Egrioglu E., Aladag C.H., **Yolcu U.**, A fuzzy time series network for forecasting, *International Work Conference on Time Series (ITISE 2015)*, Book Page: 541, Granada/Spain, 1-3 July 2015.
- 8.3.23.** Corba S. B., Egrioglu E., **Yolcu U.**, A new type recurrent multiplicative neuron - model artificial neural network for forecasting, *International Work Conference on Time Series (ITISE 2015)*, Book Page: 637, Granada/Spain, 1-3 July.
- 8.3.24.** Cagcag Yolcu O., **Yolcu U.**, Egrioglu E., Aladag C.H., A high order Fuzzy Time Series Forecasting model based on fuzzy c-means nad artificial neural networks, *International Work Conference on Time Series (ITISE 2015)*, Book Page: 564, Granada/Spain, 1-3 July 2015.
- 8.3.25.** Dalar A.Z., **Yolcu U.**, Egrioglu E., Aladag C.H., Forecasting Turkey Electric Consumption by Using Fuzzy Function Approach, *International Work Conference on Time Series (ITISE 2015)*, Book Page: 543, Granada/Spain, 1-3 July 2015.
- 8.3.26.** **Yolcu U.**, Aladag C.H., Bas E., Egrioglu E., A Hybrid multivariate fuzzy time series method based on Gustafson-Kessel fuzzy clustering technique and artificial neural network, *International Journal Of Arts & Science; Annual Multidisciplinary Conference*, Paris/France, Book Page: 193, 2015.
- 8.3.27.** **Yolcu U.**, Bas E., The Forecasting of labour force participation and unemployment rate in poland and turkey with fuzzy time series methods, *Economy Today, Interdisciplinary Approach To Contemporary Economic Challenges*, Lodz/Poland, 12-13 March 2015.
- 8.3.28.** Bas E., **Yolcu U.**, Egrioglu E., Cagcag Yolcu O., The training of artificial neural networks with multiplicative neuron model based on differential evolution algorithm for forecasting, *2nd Global Conference on Computer Science, Software, Networks And Engineering*, Book Page: 18, Izmir-Kusadası/Turkey, 06-08 November 2014.
- 8.3.29.** **Yolcu U.**, Cagcag Yolcu O., Egrioglu E., Aladag C.H., An Improved High Order Fuzzy Time Series Approach, *8. Statistical Congress*, Book Page: 178-179, Antalya/Turkey, 27-30 October 2013.

- 8.3.30.** Bas E., Uslu V.R., **Yolcu U.**, Egrioglu E., A fuzzy time series approach based on differential evolution algorithm using De/Best/1 mutation strategy, *8. Statistical Congress*, Book Page: 172-173, Antalya/Turkey, 27-30 October 2013.
- 8.3.31.** Dalar A.Z., Egrioglu E., **Yolcu U.**, Aladag C.H., Turksen I.B., 2013. Tip 1 Bulanık Fonksiyon Yaklaşımının Zaman Serilerinde Bir Uygulaması, *8. Statistical Congress*, Book Page: 129-130, Antalya/Turkey, 27-30 October 2013.
- 8.3.32.** Egrioglu E., Aladag C.H., **Yolcu U.**, A New Adaptive Network Fuzzy Inference System For Time Series Forecasting, *8. Statistical Congress*, Book Page: 174-175, Antalya/Turkey, 27-30 October 2013.
- 8.3.33.** Gundogdu O., Egrioglu E., Aladag C.H., **Yolcu U.**, Gauss Aktivasyon Fonksiyonuna Dayalı Çarpımsal Nöron Model Yapay Sinir Ağı, *8. Statistical Congress*, Book Page: 48-49, Antalya/Turkey, 27-30 October 2013.
- 8.3.34.** **Yolcu U.**, Aladag C.H., Egrioglu E., 2011. A Hybrid Artificial Neural Network Model with Linear & Nonlinear Components, *Online Conference on Soft Computing in Industrial Applications*, December 5-16th ([http://wsc16.cs.lboro.ac.uk/conference/sites/default/files/A%20Hybrid%20Artificial%20Neural%20Network%20Model%20with%20Linear%26Nonlinear%20Components%20Paper09\\_0.pdf](http://wsc16.cs.lboro.ac.uk/conference/sites/default/files/A%20Hybrid%20Artificial%20Neural%20Network%20Model%20with%20Linear%26Nonlinear%20Components%20Paper09_0.pdf))
- 8.3.35.** **Yolcu U.**, Aladag C.H., Uslu V.R., Egrioglu E., Bulanık Zaman Serilerinin Öngörüsünde Aralık Uzunluğunun Etkisi, *International 7. Statistical Congress*, Book Page: 222-223, Antalya/ Turkey, 28 April - 1 May 2011.
- 8.3.36.** Uslu V.R., Bas E., **Yolcu U.**, Egrioglu E., Genetik algoritmaya dayalı yeni bir bulanık zaman serisi yaklaşımı, *International 7. Statistical Congress*, Book Page: 100-101, Antalya/ Turkey, 28 April - 1 May 2011.
- 8.3.37.** Egrioglu E., **Yolcu U.**, Aladag C.H., Dalar A.Z., Parçacık Sürü Optimizasyonu Ve Bulanık Kümelemeye Dayalı Yeni Bir Zaman Değişmez Bulanık Zaman Serisi Analizi Yöntemi, *International 7. Statistical Congress*, Book Page: 102-103, Antalya/ Turkey, 28 April - 1 May 2011.
- 8.3.38.** Kocak C. Egrioglu E., **Yolcu U.**, Yapay Sinir Ağlarına Dayalı ARMA(1,1) Tipli Bulanık Zaman Serisi Öngörü Yöntemi, *International 7. Statistical Congress*, Book Page: 110-111, Antalya/ Turkey, 28 April - 1 May 2011.
- 8.3.39.** Egrioglu E., Aladag C.H., **Yolcu U.**, Üçgensel Bulanık Sayılardan Oluşan Bulanık Zaman Serilerinin Çözümlemesi, *International 7. Statistical Congress*, Book Page: 216-217, Antalya/ Turkey, 28 April - 1 May 2011.
- 8.3.40.** Aladag C.H., Egrioglu E., **Yolcu U.**, A New High Order Fuzzy Time Series Approach. *1<sup>st</sup> International Symposium on Computing in Science and Engineering*, Proceedings pp:648-654, 28-30 May, Aydın, Turkey, 2010.
- 8.3.41.** Uslu V.R., Aladag C.H., **Yolcu U.**, Egrioglu E., A New Hybrid Approach For Forecasting A Seasonal Fuzzy Time Series, *1<sup>st</sup> International Symposium on Computing in Science and Engineering*, Proceedings pp:1152-1158, 28-30 May, Aydın, Turkey, 2010.

#### **8.4.** Yazılan uluslararası kitaplar veya kitaplarda bölümler



- 8.4.1.** Egrioglu E., Aladag C.H., **Yolcu U.**, [Comparison of Feed Forward and Elman Neural Networks Forecasting Ability: Case Study for IMKB](#), *Advances in time series forecasting*, Bentham Science Publishers Ltd., eISBN: 978-1-60805-373-5, Editors: Aladag, C.H., Egrioglu, E pp.11-17 , 2012.
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#### 8.5. Ulusal hakemli dergilerde yayımlanan makaleler

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### 8.7. Diğer yayınlar

- 8.7.1.** Eğrioğlu E., Aladag, C.H., **Yolcu U.**, Dalar A.Z., A New Neural Network Model With Deterministic Trend Component For Time Series Forecasting, *International Conference for Academic Disciplines*. Vienna, Austria, 2014.
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- 8.7.5.** Bas E., **Yolcu U.**, Eğrioğlu E., Cagcag O., The Training of Artificial Neural Networks with Multiplicative Neuron Model Based On Differential Evolution

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- 8.7.9. Kocak C., Egrioglu E., **Yolcu U.**, Bulanık Cronbach Alfa, *13th International Conference on Econometrics, Operation Research and Statistics*, 24-26 May, Fagamusta, Northern Cyprus, 2012.
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- 8.7.11. Alpaslan F., Cagcag O., **Yolcu U.**, Aladag C.H., Egrioglu E., Mevsimsel Bulanık Zaman Serilerinin Çözümlemesinde Yeni Bir Yaklaşım, *13th International Conference on Econometrics, Operation Research and Statistics*, 24-26 May, Fagamusta, Northern Cyprus, 2012.

## 9. Projeler

- 9.1. Faruk Alpaslan, Erol Eğrioğlu, Çağdaş Hakan Aladağ, **Ufuk Yolcu**, Özge Çağcağ, Mevsimsel Bulanık Zaman Serilerinin Öngörülmesinde Yeni Bir Algoritma, *Ondokuz Mayıs Üni. BAP 1001 projesi*. (Araştırmacı) 2012.
- 9.2. Erol Eğrioğlu, Çağdaş Hakan Aladağ, **Ufuk Yolcu**, Parçacık Sürü Optimizasyonu Ve Yapay Sinir Ağlarına Dayalı Yeni Bir Bulanık Zaman Serisi Öngörü Yöntemi, *TÜBİTAK 1002 Projesi*, (210T150 Nolu Proje). (Ortak Hak Sahibi), 2012.

## 10. İdari Görevler

**Bölüm Başkanı, 2012-2013** (Giresun Üniversitesi İstatistik Bölümü)

**Bölüm Başkanı, 2017-Halen** (Giresun Üniversitesi Ekonometri Bölümü)

## 11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

Bulanık Sistemler Derneği  
İstatistikçiler Derneği

## 12. Ödüller

13. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2016-2017	Güz	Doğrusal Programlama	2	2	145
		İstatistik Kalite Denetimi	2	2	88
		Yöneylem Araştırması	2	2	80
		Özel Konu	0	2	6
		Optimizasyon (Lisansüstü)	3	0	25
	İlkbahar	Çok Değişkenli İstatistiksel Analiz	2	2	10
		Olasılık ve İstatistik	3	0	31
		Bulanık Küme Teorisi (Lisansüstü)	3	0	3
		Uygulamalı İstatistik (Lisansüstü)	3	0	3
		İstatistik	3	0	120
2017-2018	Güz	Matematik I	3	0	185
		İstatistik	2	0	91
		İstatistik I	3	0	87
		Ekonometri I	3	0	238
		Doğrusal Modeller (Lisansüstü)	3	0	1
		İstatistik Teorisi (Lisansüstü)	3	0	2
		Matematik II	3	0	354
		İstatistik	3	0	189
		Ekonometri II	3	0	218
		Bulanık Çıkarım Sistemleri (Lisansüstü)	3	0	7
		Bulanık Küme Teorisi (Lisansüstü)	3	0	9