

## Prof. ÖZGE CAĞCAĞ YOLCU

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ondokuz Mayıs University, Institute Of Science, Turkey 2010 - 2013

Postgraduate, Ondokuz Mayıs University, Institute Of Science, Turkey 2008 - 2010

Undergraduate, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Statistics, Turkey 2004 - 2008

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Yeni bir melez bulanık zaman serisi yaklaşımı, Ondokuz Mayıs University, Institute Of Science, 2013

Postgraduate, Ondokuz Mayıs Üniversitesi Beyin Cerrahisi Polikliniği'xxnin istatistiksel simülasyonu ile optimizasyonu,

Ondokuz Mayıs University, Institute Of Science, 2010

### Research Areas

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

### Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2021 - Continues

Associate Professor, Giresun University, Faculty Of Engineering, Department Of Industrial Engineering, 2017 - 2021

Assistant Professor, Giresun University, Faculty Of Engineering, Department Of Industrial Engineering, 2015 - 2018

Researcher, University of London-Kings College London, Faculty of Natural & Mathematical Sciences, Department of Informatics, 2015 - 2016

Research Assistant, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Statistics, 2009 - 2015

### Academic and Administrative Experience

Deputy Head of Department, Giresun University, Faculty Of Engineering, Department Of Industrial Engineering, 2019 - 2021

## Courses

Optimization Techniques, Postgraduate, 2021 - 2022

Numerical Analysis, Undergraduate, 2021 - 2022

Biostatistics, Undergraduate, 2021 - 2022

Regression Analysis, Undergraduate, 2021 - 2022

## Advising Theses

Cağcağ Yolcu Ö., YENİ BİR EVRİŞİMSEL SİNİR AĞI MODELİ İLE ZAMAN SERİSİ ÖNGÖRÜSÜ, Postgraduate, M.KİRİŞÇİ(Student), 2021

Cağcağ Yolcu Ö., SEZGİSEL BULANIK KÜMELERİN BİLEŞENLERİNİN KOMBİNASYONUNA DAYALI ZAMAN SERİSİ ÖNGÖRÜ MODELİ, Postgraduate, Ş.NAZLI(Student), 2021

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

- I. **Simulation and optimization of cheese whey additive for value-added compost production: Hyperparameter tuning approach and genetic algorithm**  
Şahin C., Aydın Temel F., CAĞCAĞ YOLCU Ö., Turan N. G.  
Journal of Environmental Management, vol.370, 2024 (SCI-Expanded)
- II. **Short-term load forecasting: cascade intuitionistic fuzzy time series—univariate and bivariate models**  
CAĞCAĞ YOLCU Ö., Lam H., YOLCU U.  
Neural Computing and Applications, vol.36, no.32, pp.20167-20192, 2024 (SCI-Expanded)
- III. **A new ensemble intuitionistic fuzzy-deep forecasting model: Consolidation of the IFRFs-bENR with LSTM**  
CAĞCAĞ YOLCU Ö., YOLCU U.  
Information Sciences, vol.679, 2024 (SCI-Expanded)
- IV. **Modeling of Cu(II) adsorption on the activated Phragmites australis waste by fuzzy-based and neural network-based inference systems**  
Elver O., Aydın Temel F., CAĞCAĞ YOLCU Ö., Akbal F., Kuleyin A.  
Journal of Industrial and Engineering Chemistry, vol.129, pp.180-192, 2024 (SCI-Expanded)
- V. **Combination of ANNs and heuristic algorithms in modelling and optimizing of Fenton processes for industrial wastewater treatment**  
Cüce H., CAĞCAĞ YOLCU Ö., Aydın Temel F.  
International Journal of Environmental Science and Technology, vol.20, no.6, pp.6065-6078, 2023 (SCI-Expanded)
- VI. **A novel intuitionistic fuzzy time series prediction model with cascaded structure for financial time series**  
CAĞCAĞ YOLCU Ö., YOLCU U.  
Expert Systems with Applications, vol.215, 2023 (SCI-Expanded)
- VII. **Modelling and optimization of sewage sludge composting using biomass ash via deep neural network and genetic algorithm**  
Dogan H., Aydın Temel F., CAĞCAĞ YOLCU Ö., Turan N. G.  
Bioresource Technology, vol.370, 2023 (SCI-Expanded)
- VIII. **Artificial intelligence and machine learning approaches in composting process: A review**  
Aydın Temel F., CAĞCAĞ YOLCU Ö., Turan N. G.  
Bioresource Technology, vol.370, 2023 (SCI-Expanded)
- IX. **Modeling and optimization of process parameters in co-composting of tea waste and food waste: Radial basis function neural networks and genetic algorithm**  
Yılmaz E. C., Aydın Temel F., CAĞCAĞ YOLCU Ö., Turan N. G.  
Bioresource Technology, vol.363, 2022 (SCI-Expanded)

- X. **Evaluation of a cascade artificial neural network for modeling and optimization of process parameters in co-composting of cattle manure and municipal solid waste**  
Bayindir Y., CAĞCAĞ YOLCU Ö., TEMEL F. A., TURAN N. G.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.318, 2022 (SCI-Expanded)
- XI. **A New CNN-Based Model for Financial Time Series: TAIEX and FTSE Stocks Forecasting**  
Kirisci M., CAĞCAĞ YOLCU Ö.  
NEURAL PROCESSING LETTERS, vol.54, no.4, pp.3357-3374, 2022 (SCI-Expanded)
- XII. **A hybrid sigma-pi neural network for combined intuitionistic fuzzy time series prediction model**  
Arslan S. N., CAĞCAĞ YOLCU Ö.  
NEURAL COMPUTING & APPLICATIONS, vol.34, no.15, pp.12895-12917, 2022 (SCI-Expanded)
- XIII. **Prediction and optimization of nitrogen losses in co-composting process by using a hybrid cascaded prediction model and genetic algorithm**  
Kabak E. T., CAĞCAĞ YOLCU Ö., TEMEL F. A., TURAN N. G.  
CHEMICAL ENGINEERING JOURNAL, vol.437, 2022 (SCI-Expanded)
- XIV. **Multivariate intuitionistic fuzzy inference system for stock market prediction: The cases of Istanbul and Taiwan**  
CAĞCAĞ YOLCU Ö., EĞRİOĞLU E., BAŞ E., YOLCU U.  
APPLIED SOFT COMPUTING, vol.116, 2022 (SCI-Expanded)
- XV. **Modelling and optimization of Fenton processes through neural network and genetic algorithm**  
Cuce H., TEMEL F. A., Yolcu Ö.  
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.38, no.11, pp.2265-2278, 2021 (SCI-Expanded)
- XVI. **Identifying the maturity of co-compost of olive mill waste and natural mineral materials: Modelling via ANN and multi-objective optimization**  
Aycan Dumenci N., Cagcag Yolcu Ö., Aydin Temel F., TURAN N. G.  
BIORESOURCETECHNOLOGY, vol.338, 2021 (SCI-Expanded)
- XVII. **Modelling and optimization of Fenton processes through neural network and genetic algorithm**  
Cağcağ Yolcu Ö.  
Korean Journal Of Chemical Engineering, no.38, pp.2265-2278, 2021 (SCI-Expanded)
- XVIII. **New hybrid predictive modeling principles for ammonium adsorption: The combination of Response Surface Methodology with feed-forward and Elman-Recurrent Neural Networks**  
CAĞCAĞ YOLCU Ö., TEMEL F. A., KULEYİN A.  
JOURNAL OF CLEANER PRODUCTION, vol.311, 2021 (SCI-Expanded)
- XIX. **Probabilistic forecasting, linearity and nonlinearity hypothesis tests with bootstrapped linear and nonlinear artificial neural network**  
Yolcu U., Egrioglu E., Bas E., Yolcu Ö., Dalar A. Z.  
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, vol.33, no.3, pp.383-404, 2021 (SCI-Expanded)
- XX. **A multilayer perceptron-based prediction of ammonium adsorption on zeolite from landfill leachate: Batch and column studies**  
Temel F. A., Yolcu Ö., Kuleyin A.  
JOURNAL OF HAZARDOUS MATERIALS, vol.410, 2021 (SCI-Expanded)
- XXI. **A new fuzzy time series method based on an ARMA-type recurrent Pi-Sigma artificial neural network**  
Kocak C., Dalar A. Z., Yolcu Ö., Bas E., Egrioglu E.  
SOFT COMPUTING, vol.24, no.11, pp.8243-8252, 2020 (SCI-Expanded)
- XXII. **A new intuitionistic fuzzy functions approach based on hesitation margin for time-series prediction**  
Yolcu Ö., Bas E., Egrioglu E., Yolcu U.  
SOFT COMPUTING, vol.24, no.11, pp.8211-8222, 2020 (SCI-Expanded)
- XXIII. **Intuitionistic time series fuzzy inference system**  
Egrioglu E., Bas E., Yolcu Ö., Yolcu U.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.82, pp.175-183, 2019 (SCI-Expanded)
- XXIV. **Single Multiplicative Neuron Model Artificial Neural Network with Autoregressive Coefficient for**

### **Time Series Modelling**

Yolcu Ö., Bas E., Egrioglu E., Yolcu U.

NEURAL PROCESSING LETTERS, vol.47, no.3, pp.1133-1147, 2018 (SCI-Expanded)

- XXV. **Prediction of TAIEX based on hybrid fuzzy time series model with single optimization process**  
Yolcu Ö., Alpaslan F.  
APPLIED SOFT COMPUTING, vol.66, pp.18-33, 2018 (SCI-Expanded)
- XXVI. **A combined robust fuzzy time series method for prediction of time series**  
Yolcu Ö., Lam H.  
NEUROCOMPUTING, vol.247, pp.87-101, 2017 (SCI-Expanded)
- XXVII. **High order fuzzy time series forecasting method based on an intersection operation**  
Yolcu Ö., YOLCU U., Egrioglu E., ALADAĞ Ç. H.  
APPLIED MATHEMATICAL MODELLING, vol.40, no.19-20, pp.8750-8765, 2016 (SCI-Expanded)
- XXVIII. **A New Robust Regression Method Based on Particle Swarm Optimization**  
Cagcag Ö., YOLCU U., Egrioglu E.  
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.44, no.6, pp.1270-1280, 2015 (SCI-Expanded)
- XXIX. **An enhanced fuzzy time series forecasting method based on artificial bee colony**  
YOLCU U., Cagcag Ö., ALADAĞ Ç. H., Egrioglu E.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.26, no.6, pp.2627-2637, 2014 (SCI-Expanded)
- XXX. **A Hybrid Fuzzy Time Series Approach Based on Fuzzy Clustering and Artificial Neural Network with Single Multiplicative Neuron Model**  
Yolcu Ö.  
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2013, 2013 (SCI-Expanded)
- XXXI. **A novel seasonal fuzzy time series method**  
Alpaslan F., Cagcag Ö., ALADAĞ Ç. H., Yolcu U., Egrioglu E.  
Hacettepe Journal of Mathematics and Statistics, vol.41, no.3, pp.375-385, 2012 (SCI-Expanded)
- XXXII. **Reduction of patient waiting time by simulations in Ondokuz Mayıs University Medical Faculty, Department of Neurosurgery**  
Alpaslan F., Çağcağ Ö., Egrioglu E.  
Scientific Research and Essays, vol.6, no.5, pp.1063-1070, 2011 (SCI-Expanded)

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

- I. **Consciousness level determination of red meat consumption of pregnant women, Giresun/Turkey province**  
BALPETEK KÜLCÜ D., CAĞCAĞ YOLCU Ö.  
Journal of Mind and Medical Sciences, vol.7, no.1, pp.79-84, 2020 (ESCI)
- II. **The forecasting of Istanbul stock exchange by using a hybrid fuzzy time series approach**  
CAĞCAĞ YOLCU Ö.  
Turkish Journal of Fuzzy Systems, vol.5, no.1, pp.10-26, 2014 (Peer-Reviewed Journal)
- III. **A Novel Seasonal Fuzzy Time Series Method to the Forecasting of Air Pollution Data in Ankara**  
Eğrioglu E., Aladağ Ç. H., Yolcu U., Burçin Şeyda Ç., Çağcağ Yolcu Ö.  
American Journal of Intelligent Systems, vol.3, no.1, pp.13-19, 2013 (Peer-Reviewed Journal)
- IV. **Fuzzy Time Series Method Based on Multiplicative Neuron Model and Membership Values**  
EĞRİOĞLU E., ALADAĞ Ç. H., YOLCU U., BURÇİN ŞEYDA Ç., CAĞCAĞ YOLCU Ö.  
American Journal of Intelligent Systems, vol.3, no.1, pp.33-39, 2013 (Peer-Reviewed Journal)
- V. **A Seasonal Fuzzy Time Series Forecasting Method Based on Gustafson Kessel Fuzzy Clustering**  
ALPASLAN F., CAĞCAĞ YOLCU Ö.  
Journal of Social and Economic Statistics, vol.2, no.1, pp.1-13, 2012 (Peer-Reviewed Journal)
- VI. **İstanbul Temiz Su Tüketiminin Bulanık Zaman Serisi Yaklaşımları ile Öngörüsü**  
ALPASLAN F., CAĞCAĞ YOLCU Ö., İLTER D., YOLCU U.

## Books & Book Chapters

- I. **A Fuzzy Time Series Approach Based on GeneticAlgorithm with Single Analysis Process**  
CAĞCAĞ YOLCU Ö.  
in: Advances in Time Series Forecasting - Volume 2, Cagdas Hakan Aladag, Editor, Bentham Science Publishers Ltd, Sharjah, pp.93-110, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Novel Time Series Forecasting Model Based on Single-Valued Neutrosophic Sets**  
YOLCU U., BAŞ E., EĞRİOĞLU E., CAĞCAĞ YOLCU Ö.  
11. International Statistics Congress – ISC2019, İstanbul, Turkey, 4 - 08 October 2019, pp.476-483
- II. **Multivariate Intuitionistic Fuzzy Inference System for Time Series Prediction**  
CAĞCAĞ YOLCU Ö., EĞRİOĞLU E., BAŞ E., YOLCU U.  
11. International Statistics Congress – ISC2019, Muğla, Turkey, 4 - 08 October 2019, pp.465-475
- III. **Financial Time Series Prediction via Convolutional Neural Network**  
Melih K., CAĞCAĞ YOLCU Ö.  
11. International Statistics Congress – ISC2019, Muğla, Turkey, 4 - 08 October 2019, pp.952
- IV. **A New Time Series Prediction Method Based on Intuitionistic Fuzzy C-Means And Sigma Pi Neural Network**  
CAĞCAĞ YOLCU Ö., BAŞ E., EĞRİOĞLU E.  
International Days of Statistics and Economics 2019, Prag, Czech Republic, 5 - 07 September 2019, pp.231-240
- V. **Bivariate Intuitionistic Fuzzy Time Series Prediction Model**  
CAĞCAĞ YOLCU Ö., EĞRİOĞLU E., BAŞ E., YOLCU U.  
Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics - y-BIS 2019, İstanbul, Turkey, 25 - 28 September 2019, pp.103-109
- VI. **A NEW TIME SERIES PREDICTION METHOD BASED ON INTUITIONISTIC FUZZY C MEANS AND SIGMA PI NEURAL NETWORK**  
Yolcu Ö., Bas E., Egrioglu E.  
13th International Days of Statistics and Economics, Prague, Czech Republic, 5 - 07 September 2019, pp.231-240
- VII. **Zaman Serisi Tahmininde Tek Çarpımsal Sinir Hücresi Yapay Sinir Ağının Eğitimi için Bazı Dayanıklı Yaklaşımlar**  
CAĞCAĞ YOLCU Ö.  
19th International Symposium on Econometrics, Operations Research and Statistics, Antalya, Turkey, 17 - 20 October 2018, pp.448-457
- VIII. **Çoklu-Melez Öğrenme Algoritmasına Sahip Çarpımsal Sinir Hücresi Yapay Sinir Ağına Dayalı Yeni Bir Bulanık Zaman Serisi Öngörü Yöntemi**  
CAĞCAĞ YOLCU Ö., YOLCU U.  
19th International Symposium on Econometrics, Operations Research and Statistics, Antalya, Turkey, 17 - 20 October 2018, pp.1058-1070
- IX. **The Use of Some Loss Functions in Fuzzy Time Series Forecasting Problem**  
CAĞCAĞ YOLCU Ö., BAŞ E., EĞRİOĞLU E., YOLCU U.  
11. International Statistics Days Conference (ISDC2018), 3 - 07 October 2018, pp.1004-1015
- X. **An Intuitionistic Fuzzy Time Series Prediction Method based on Sigma-Pi Neural Network**  
YOLCU U., EĞRİOĞLU E., BAŞ E., CAĞCAĞ YOLCU Ö.  
11. International Statistics Days Conference (ISDC2018), 3 - 07 October 2018, pp.412-422
- XI. **Advanced Time Series Prediction Methods**

CAĞCAĞ YOLCU Ö., EĞRİOĞLU E., BAŞ E., YOLCU U.

4th Global Summit and Expo on Multimedia Artificial Intelligence, ROMA, Italy, 19 - 21 July 2018

- XII. **Bootstrapped fuzzy time series model based on particle swarm optimization**  
CAĞCAĞ YOLCU Ö., EĞRİOĞLU E., BAŞ E., YOLCU U.  
4th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2018), 28 - 30 April 2018, vol.189
- XIII. **An intuitionistic fuzzy time series forecasting model based on BAT algorithm**  
YOLCU U., BAŞ E., EĞRİOĞLU E., CAĞCAĞ YOLCU Ö.  
4th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2018), 28 - 30 April 2018, pp.190
- XIV. **Bootstrapped linear and nonlinear artificial neural network for time series forecasting**  
EĞRİOĞLU E., YOLCU U., BAŞ E., CAĞCAĞ YOLCU Ö., DALAR A. Z.  
4th International German Probability and Statistics Days, Freiburg, Germany, 27 February - 02 March 2018, pp.152
- XV. **An Application of Single Multiplicative Neuron Model Artificial Neural Network with Adaptive Weights and Biases based on Autoregressive Structure**  
CAĞCAĞ YOLCU Ö., BAŞ E., EĞRİOĞLU E., YOLCU U.  
10th INTERNATIONAL STATISTICS CONGRESS, Ankara, Turkey, 6 - 08 December 2017, pp.85
- XVI. **Recurrent Fuzzy Regression Functions Approach based on IID Innovations Bootstrap with Rejection Sampling**  
DALAR A. Z., BAŞ E., EĞRİOĞLU E., YOLCU U., CAĞCAĞ YOLCU Ö.  
10th INTERNATIONAL STATISTICS CONGRESS, Ankara, Turkey, 6 - 08 December 2017, pp.10
- XVII. **Robust Single Multiplicative Neuron Model Artificial Neural Network with Adaptive Weights and Biases for Forecasting**  
YOLCU U., EĞRİOĞLU E., BAŞ E., DALAR A. Z., CAĞCAĞ YOLCU Ö.  
I. International Symposium on Economics, Finance, and Econometrics, İstanbul, Turkey, 21 - 23 September 2017
- XVIII. **A New Intuitionistic Fuzzy Functions Approach based on IID Bootstrap for Time Series Prediction**  
CAĞCAĞ YOLCU Ö., EĞRİOĞLU E., BAŞ E., KOÇAK C., YOLCU U.  
I. International Symposium on Economics, Finance, and Econometrics, İstanbul, Turkey, 21 - 23 September 2017
- XIX. **A MULTI-COMPONENT HYBRID LEARNING ALGORITHM FOR MULTIPLICATIVE NEURON MODEL ARTIFICIAL NEURAL NETWORKS**  
YOLCU U., EĞRİOĞLU E., BAŞ E., DALAR A. Z., CAĞCAĞ YOLCU Ö.  
EUREFE'17 International Conference, Aydın, Turkey, 27 - 29 July 2017, vol.1, pp.316-317
- XX. **A NEW INTUITIONISTIC FUZZY FUNCTIONS APPROACH BASED ON HESITATION MARGIN FOR TIME SERIES PREDICTION**  
CAĞCAĞ YOLCU Ö., BAŞ E., EĞRİOĞLU E., YOLCU U.  
EUREFE'17 International Conference, Aydın, Turkey, 27 - 29 July 2017, vol.1, pp.314-315
- XXI. **A New Intuitionistic Time Series Fuzzy Inference System**  
CAĞCAĞ YOLCU Ö., BAŞ E., YOLCU U., EĞRİOĞLU E.  
3rd INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, Konya, Turkey, 24 - 26 May 2017, pp.29
- XXII. **A Robust Fuzzy Time Series Model for Time Series Forecasting Problems**  
CAĞCAĞ YOLCU Ö.  
10th International Statistics Days Conference (ISDC'2016), Giresun, Turkey, 7 - 09 October 2016, pp.305-314
- XXIII. **A High Order Fuzzy Time Series Method for Time Series Prediction**  
CAĞCAĞ YOLCU Ö.  
10th International Statistics Days Conference (ISDC'2016), Giresun, Turkey, 7 - 09 October 2016, pp.670-678
- XXIV. **A New Fuzzy Time Series Approach based on Recurrent Pi Sigma Neural Network**  
KOÇAK C., DALAR A. Z., CAĞCAĞ YOLCU Ö., BAŞ E., EĞRİOĞLU E.  
International Conference On Trends And Perspectives In Linear Statistical Inference, İstanbul, Turkey, 22 - 25 August 2016
- XXV. **A new dynamic neural network for BIST100 Modelling**

- EĞRİOĞLU E., YOLCU U., CAĞCAĞ YOLCU Ö., BAŞ E.  
1st International Balck Sea Business Administration Symposium, Giresun, Turkey, 16 - 19 May 2016, pp.602-611
- XXVI. **A Hybrid Approach for Robust Training of Single Multiplicative Neuron Model Artificial Neural Networks**  
BAŞ E., EĞRİOĞLU E., CAĞCAĞ YOLCU Ö., YOLCU U.  
1st International Balck Sea Business Administration Symposium, Giresun, Turkey, 16 - 19 May 2016, pp.471-480
- XXVII. **The Type 1 Fuzzy Functions Approach Based On Artificial Neural Networks For Forecasting**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
International Journal of Arts & Sciences' (IJAS) International Conference for Technology and Science, Paris, France, 13 - 16 April 2015, vol.9, pp.191-192
- XXVIII. **A Robust Algorithm for Training of Multiplicative Neuron Model Artificial Neural Networks**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
International Journal of Arts & Sciences' (IJAS) International Conference for Technology and Science, Paris, France, 13 - 16 April 2015, vol.9, pp.189-190
- XXIX. **A High Order Fuzzy Time Series Forecasting Model Based on Fuzzy C means and Artificial Neural Networks**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
International Work-Conference on Time Series Analysis (ITISE 2015), Granada, Nicaragua, 1 - 03 July 2015
- XXX. **A New Artificial Neural Network Model based on Trimmed Multiplicative Neuron Model to Determine Fuzzy Relations**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
Global Conference On Computer Science, Software, Networks & Engineering, Aydın, Turkey, 6 - 08 November 2014
- XXXI. **The Training of Artificial Neural Networks with Multiplicative Neuron Model Based On Differential Evolution Algorithm for Forecasting**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
Global Conference On Computer Science, Software, Networks & Engineering, Aydın, Turkey, 6 - 08 November 2014
- XXXII. **A Robust Fuzzy Time Series Approach**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
International Journal of Arts and Sciences Conference for Academic Discipline, Viyana, Austria, 6 - 10 April 2014
- XXXIII. **An Improved High Order Fuzzy Time Series Approach**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
8th International Statistics Congress, Antalya, Turkey, 27 - 30 October 2013
- XXXIV. **A Hybrid Fuzzy Time Series Approach for Forecasting Exchange Market of Istanbul**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
8th International Statistics Congress, Antalya, Turkey, 27 - 30 October 2013
- XXXV. **A Novel Hybrid Fuzzy Time Series Approach**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
The 3rd International Fuzzy Systems Symposium (FUZZYSS'13), İstanbul, Turkey, 24 - 25 October 2013
- XXXVI. **Forecasting Of Stock Market Exchange Based On A New Fuzzy Time Series Approaches**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
XIVth International Symposium on Econometrics, Operation Research and Statistics, Sarayova, Bosnia And Herzegovina, 24 - 28 May 2013
- XXXVII. **Literature review of fuzzy time series and application of fuzzy time series to euro exchange data**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
8th International Symposium of Statistics, Eskişehir, Turkey, 11 - 13 October 2012
- XXXVIII. **Mevsimsel Bulanık Zaman Serilerinin Çözümlemesinde Yeni Bir Yaklaşım**  
CAĞCAĞ YOLCU Ö., BAŞ E.  
13th International Conference on Econometrics, Operations Research and Statistics (ICEOS-2012), Famagusta, Cyprus (Kktc), 24 - 26 May 2012
- XXXIX. **Üyelik Değerlerine ve Çarpımsal Nöron Modele Dayalı Bulanık Zaman Serisi Yaklaşımı**  
CAĞCAĞ YOLCU Ö., BAŞ E.

13th International Conference on Econometrics, Operations Research and Statistics (ICEOS-2012), Famagusta, Cyprus (Kktc), 24 - 26 May 2012

**XL. A novel seasonal fuzzy time series method**

ALPASLAN F., CAĞCAĞ YOLCU Ö., ALADAĞ Ç. H., YOLCU U., EĞRİOĞLU E.

FUZZYSS'11: The Second International Fuzzy Systems Symposium, 17 - 18 November 2011

**XLI. Ondokuz Mayıs Üniversitesi Tıp Fakültesi Beyin Cerrahisi Polikliniğinde Hasta Bekleme Süresinin Azaltılması**

CAĞCAĞ YOLCU Ö., BAŞ E.

VII. İstatistik Günleri Sempozyumu, Famagusta, Turkey, 28 - 30 June 2010

## Scientific Refereeing

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, January 2022

PLOS ONE, SCI Journal, January 2022

ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, SCI Journal, January 2022

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, January 2022

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, January 2022

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, January 2022

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, January 2022

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, January 2022

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, December 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, October 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, September 2021

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, September 2021

APPLIED SOFT COMPUTING, SCI Journal, September 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, September 2021

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, August 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, August 2021

NEURAL PROCESSING LETTERS, SCI Journal, August 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, August 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, August 2021

APPLIED SOFT COMPUTING, SCI Journal, July 2021

APPLIED SOFT COMPUTING, SCI Journal, July 2021

COMPUTERS & ELECTRICAL ENGINEERING, SCI Journal, July 2021

APPLIED SOFT COMPUTING, SCI Journal, June 2021

APPLIED SOFT COMPUTING, SCI Journal, June 2021

COMPUTERS & ELECTRICAL ENGINEERING, SCI Journal, June 2021

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, June 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, June 2021

SOFT COMPUTING, SCI Journal, May 2021

SOFT COMPUTING, SCI Journal, May 2021

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, May 2021

INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, SCI Journal, May 2021

COMPUTERS & ELECTRICAL ENGINEERING, SCI Journal, May 2021

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## **Metrics**

Publication: 80

Citation (WoS): 445

Citation (Scopus): 677

H-Index (WoS): 15

H-Index (Scopus): 17