

## Asst. Prof. MEHMET AKİF BÜLBÜL

### Personal Information

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### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2018 - 2022

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2015

Undergraduate, Mersin University, Turkey 2002 - 2006

### Dissertations

Doctorate, Akıllı sulama sistemi modellemesi ve tasarımı, Erciyes University, Fen Bilimleri Enstitüsü, 2022

Postgraduate, E-ticaret sistemlerinde reklam ürünlerinin Bayes teoremine göre yerleştirilmesi, Erciyes University, Fen Bilimleri Enstitüsü, 2015

### Academic Titles / Tasks

Assistant Professor, Kayseri University, Mühendislik, Mimarlık Ve Tasarım Fakültesi, Yazılım Mühendisliği Bölümü, 2024 - Continues

Assistant Professor, Nevşehir Hacı Bektaş Veli University, 2022 - 2024

Lecturer, Hitit University, 2010 - 2022

### Academic and Administrative Experience

Head of Department, Hitit University, 2017 - 2022

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

- I. **A novel hybrid deep learning model for early stage diabetes risk prediction**  
BÜLBÜL M. A.  
JOURNAL OF SUPERCOMPUTING, 2024 (SCI-Expanded)
- II. **Survival Prediction of Patients after Heart Attack and Breast Cancer Surgery with a Hybrid Model Built with Particle Swarm Optimization, Stacked AutoEncoders, and the Softmax Classifier**  
Bulbul M. A., Isik M. F.  
BIOMIMETICS, vol.9, no.5, 2024 (SCI-Expanded)
- III. **Feature Selection and Hyperparameters Optimization Employing a Hybrid Model Based on Genetic Algorithm and Artificial Neural Network: Forecasting Dividend Payout Ratio**  
Konak F., Bulbul M. A., Turkoglu D.  
COMPUTATIONAL ECONOMICS, no.4, pp.1673-1693, 2024 (SCI-Expanded)
- IV. **Optimization of artificial neural network structure and hyperparameters in hybrid model by genetic**

**algorithm: iOS-android application for breast cancer diagnosis/prediction**

Bulbul M. A.

JOURNAL OF SUPERCOMPUTING, vol.80, pp.4533-4553, 2024 (SCI-Expanded)

- V. **A Hybrid Artificial Neural Network-Particle Swarm Optimization Algorithm Model for the Determination of Target Displacements in Mid-Rise Regular Reinforced-Concrete Buildings**  
Isik M. F., Avcil F., Harirchian E., Bulbul M. A., Hadzima-Nyarko M., Isik E., Izol R., Radu D.  
SUSTAINABILITY, vol.15, no.12, 2023 (SCI-Expanded)
- VI. **Determination of Natural Fundamental Period of Minarets by Using Artificial Neural Network and Assess the Impact of Different Materials on Their Seismic Vulnerability**  
Isik E., Ademovic N., Harirchian E., Avcil F., BÜYÜKSARAÇ A., Hadzima-Nyarko M., Akif Buelbuel M. A., Isik M. F., Antep B.  
APPLIED SCIENCES-BASEL, vol.13, no.2, 2023 (SCI-Expanded)
- VII. **A Hybrid ANN-GA Model for an Automated Rapid Vulnerability Assessment of Existing RC Buildings**  
Bulbul M. A., Harirchian E., Isik M. F., Hosseini S. E. A., Isik E.  
APPLIED SCIENCES-BASEL, vol.12, no.10, 2022 (SCI-Expanded)
- VIII. **Optimization, Modeling and Implementation of Plant Water Consumption Control Using Genetic Algorithm and Artificial Neural Network in a Hybrid Structure**  
Bülbul M. A., ÖZTÜRK C.  
Arabian Journal for Science and Engineering, vol.47, no.2, pp.2329-2343, 2022 (SCI-Expanded)
- IX. **Optimization of Climatic Conditions Affecting Determination of the Amount of Water Needed by Plants in Relation to Their Life Cycle with Particle Swarm Optimization, and Determining the Optimum Irrigation Schedule**  
Bulbul M. A., ÖZTÜRK C., Isik M. F.  
COMPUTER JOURNAL, vol.65, no.10, pp.2654-2663, 2022 (SCI-Expanded)
- X. **Application of iOS/Android based assessment and monitoring system for building inventory under seismic impact**  
Isik M. F., Isik E., Bulbul M. A.  
GRADEVINAR, vol.70, no.12, pp.1043-1056, 2018 (SCI-Expanded)
- XI. **Web based evaluation of earthquake damages for reinforced concrete buildings**  
Isik E., Isik M. F., Bulbul M. A.  
EARTHQUAKES AND STRUCTURES, vol.13, no.4, pp.387-396, 2017 (SCI-Expanded)

## Metrics

Publication: 13

Citation (WoS): 84

Citation (Scopus): 96

H-Index (WoS): 5

H-Index (Scopus): 5