

## Personal Information

Email: ergunuzlu@ktu.edu.tr

### International Researcher IDs

ScholarID: EM2KI6AAAAAJ

ORCID: 0000-0002-2394-179X

Publons / Web Of Science ResearcherID: AAT-3431-2020

ScopusID: 36524288400

Yoksis Researcher ID: 192616

## Research Areas

Civil Engineering, Hydraulic, Coastal Engineering, Engineering and Technology

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

- I. **Modeling and Forecasting of Water Demand in the City of Istanbul Using Artificial Neural Networks Optimized with Rao Algorithms**  
UZLU E.  
Arabian Journal for Science and Engineering, vol.49, no.10, pp.13477-13490, 2024 (SCI-Expanded)
- II. **Determination of Grain Sorting in an Accretion Profile Caused by Cross-Shore Sediment Transport**  
UZLU E.  
Thalassas, vol.40, no.1, pp.13-29, 2024 (SCI-Expanded)
- III. **Estimates of hydroelectric energy generation in BRICS-T countries using a new hybrid model**  
UZLU E.  
Energy Sources, Part B: Economics, Planning and Policy, vol.19, no.1, 2024 (SCI-Expanded)
- IV. **Estimates of greenhouse gas emission in Turkey with grey wolf optimizer algorithm-optimized artificial neural networks**  
UZLU E.  
NEURAL COMPUTING & APPLICATIONS, vol.33, no.20, pp.13567-13585, 2021 (SCI-Expanded)
- V. **Prediction of Parameters which Affect Beach Nourishment Performance Using MARS, TLBO, and Conventional Regression Techniques**  
Karasu S., Kankal M., NACAR S., UZLU E., YÜKSEK Ö.  
THALASSAS, vol.36, no.1, pp.245-260, 2020 (SCI-Expanded)
- VI. **Application of Jaya algorithm-trained artificial neural networks for prediction of energy use in the nation of Turkey**  
UZLU E.  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.14, no.5, pp.183-200, 2019 (SCI-Expanded)
- VII. **Predicting temporal rate coefficient of bar volume using hybrid artificial intelligence approaches**  
KANKAL M., UZLU E., NACAR S., YÜKSEK Ö.  
JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, vol.23, no.3, pp.596-604, 2018 (SCI-Expanded)
- VIII. **The estimation of flood quantiles in ungauged sites using teaching-learning based optimization and artificial bee colony algorithms**  
ANILAN T., UZLU E., KANKAL M., YÜKSEK Ö.

SCIENTIA IRANICA, vol.25, no.2, pp.632-645, 2018 (SCI-Expanded)

- IX. **Neural network approach with teaching-learning-based optimization for modeling and forecasting long-term electric energy demand in Turkey**  
Kankal M., UZLU E.  
NEURAL COMPUTING & APPLICATIONS, vol.28, 2017 (SCI-Expanded)
- X. **Importance of hydropower for sustainable energy development in Turkey: Case of Coruh River**  
Kankal M., NACAR S., UZLU E.  
ENERGY & ENVIRONMENT, vol.27, no.8, pp.905-918, 2016 (SSCI)
- XI. **Status of hydropower and water resources in the Southeastern Anatolia Project (GAP) of Turkey**  
Kankal M., NACAR S., UZLU E.  
ENERGY REPORTS, vol.2, pp.123-128, 2016 (SCI-Expanded)
- XII. **Beach nourishment alternative assessment to constrain cross-shore and longshore sediment transport**  
Karasu S., Work P. A., UZLU E., Kankal M., YÜKSEK Ö.  
APPLIED OCEAN RESEARCH, vol.59, pp.459-471, 2016 (SCI-Expanded)
- XIII. **Modeling stream dissolved oxygen concentration using teaching-learning based optimization algorithm**  
BAYRAM A., UZLU E., Kankal M., DEDE T.  
ENVIRONMENTAL EARTH SCIENCES, vol.73, no.10, pp.6565-6576, 2015 (SCI-Expanded)
- XIV. **The Status of Transboundary Rivers in Turkey**  
Kankal M., UZLU E.  
WATER RESOURCES, vol.41, no.6, pp.649-665, 2014 (SCI-Expanded)
- XV. **Estimates of energy consumption in Turkey using neural networks with the teaching-learning-based optimization algorithm**  
UZLU E., Kankal M., Akpınar A., DEDE T.  
ENERGY, vol.75, pp.295-303, 2014 (SCI-Expanded)
- XVI. **Prediction of berm geometry using a set of laboratory tests combined with teaching-learning-based optimization and artificial bee colony algorithms**  
UZLU E., Komurcu M. I., Kankal M., DEDE T., ÖZTÜRK H. T.  
APPLIED OCEAN RESEARCH, vol.48, pp.103-113, 2014 (SCI-Expanded)
- XVII. **Assessment of hydropower and multi-dam power projects in Turkey**  
Kankal M., BAYRAM A., UZLU E., SATILMIŞ U.  
RENEWABLE ENERGY, vol.68, pp.118-133, 2014 (SCI-Expanded)
- XVIII. **Estimates of hydroelectric generation using neural networks with the artificial bee colony algorithm for Turkey**  
UZLU E., Akpınar A., ÖZTÜRK H. T., NACAR S., Kankal M.  
ENERGY, vol.69, pp.638-647, 2014 (SCI-Expanded)
- XIX. **Restructuring of Turkey's electricity market and the share of hydropower energy: The case of the Eastern Black Sea Basin**  
UZLU E., Akpınar A., Komurcu M. I.  
RENEWABLE ENERGY, vol.36, no.2, pp.676-688, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Estimates of hydroelectric energy generation in Turkey with Jaya algorithm optimized artificial neural networks**  
Uzlu E.  
Gazi University Journal of Science Part C: DESIGN AND TECHNOLOGY, vol.9, no.3, pp.446-462, 2021 (Peer-Reviewed Journal)
- II. **Estimating Electric Energy Consumption in Turkey Using Artificial Neural Networks Optimized with**

### **Jaya Algorithm**

Uzlu E., Dede T.

Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, vol.8, no.3, pp.511-528, 2020 (Peer-Reviewed Journal)

### **III. Türkiye için gri kurt optimizasyon algoritması ile yapay sinir ağlarını kullanarak enerji tüketiminin tahmini**

Uzlu E.

Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, vol.7, no.2, pp.245-262, 2019 (Peer-Reviewed Journal)

### **Metrics**

Publication: 26

Citation (WoS): 384

Citation (Scopus): 444

H-Index (WoS): 9

H-Index (Scopus): 9

### **Non Academic Experience**

Other Public Institution, Devlet Su İşleri 22. Bölge Müdürlüğü

Devlet Su İşleri 22. Bölge Müdürlüğü, İçme Suyu ve Atık Su Şube Müdürlüğü