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Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Su Mühendisliği (YI) (Tezli), Turkey 2001 - 2007

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Su Mühendisliği (YI) (Tezli), Turkey 1999 - 2001

Under Graduate, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1995 - 1999

Foreign Languages

English

Research Areas

Technical Sciences, Civil Engineering, Hydraulic

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2009 - 2011

Courses

Probability and Statistics, Under Graduate, 2016 - 2017

WATER RESOURCES SYSTEMS, Under Graduate, 2016 - 2017

FLOOD CONTROL, Doctorate, 2015 - 2016, 2016 - 2017

ADVANCES IN WATER RESOURCES ENGINEERING, Doctorate, 2015 - 2016, 2016 - 2017

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

- **Tree-based nonlinear ensemble technique to predict energy dissipation in stepped spillways**
Ekmekcioğlu Ö., Başakın E. E. , Özger M.
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, 2020 (Journal Indexed in SCI)
- **Hydrodynamic and Hydrographic Modeling of Istanbul Strait**
Koşucu M. M. , Demirel M. C. , Kırca V. Ş. Ö. , Özger M.
PROCESSES, vol.7, 2019 (Journal Indexed in SCI)
- **Optimized Numerical Model Based Assessment of Wave Power Potential of Marmara Sea**
Abdollahzadeh moradi Y., Özger M., Altunkaynak A.

- JOURNAL OF OCEAN UNIVERSITY OF CHINA, vol.18, pp.293-304, 2019 (Journal Indexed in SCI)
Long-Term Macro-Scale Assessment of Wave Power of Black Sea by an Optimized Numerical Model
ABDOLLAHZADEHMORADÍ Y., Özger M., Altunkaynak A.
- IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.42, pp.391-414, 2018 (Journal Indexed in SCI)
Assessment of flood damage behaviour in connection with large-scale climate indices
Özger M.
- JOURNAL OF FLOOD RISK MANAGEMENT, vol.10, pp.79-86, 2017 (Journal Indexed in SCI)
Assessing wave climate variability along with large-scale climate indices on the U.S. West Coast
MASHAYEKHİNİA G., Özger M.
- Journal of Waterway, Port, Coastal and Ocean Engineering, vol.143, 2017 (Journal Indexed in SCI Expanded)
Comparison of Discrete and Continuous Wavelet-Multilayer Perceptron Methods for Daily Precipitation Prediction
Altunkaynak A., OZGER M.
- JOURNAL OF HYDROLOGIC ENGINEERING, vol.21, 2016 (Journal Indexed in SCI)
Wave power potential assessment of Aegean Sea with an integrated 15-year data
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- RENEWABLE ENERGY, vol.86, pp.1045-1059, 2016 (Journal Indexed in SCI)
Sediment load prediction by combined fuzzy logic-wavelet method
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- JOURNAL OF HYDROINFORMATICS, vol.17, pp.930-942, 2015 (Journal Indexed in SCI)
A gene-wavelet model for long lead time drought forecasting
Mehr A. D. , Kahya E., OZGER M.
- JOURNAL OF HYDROLOGY, vol.517, pp.691-699, 2014 (Journal Indexed in SCI)
Neuro-Fuzzy Approach for Estimating Energy Dissipation in Skimming Flow over Stepped Spillways
Salmasi F., Özger M.
- ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.39, pp.6099-6108, 2014 (Journal Indexed in SCI)
Performance evaluation of parametric models in the hindcasting of wave parameters along the south coast of Black Sea
AKPINAR A., Özger M., BEKİROĞLU S., Komurcu M. I.
- INDIAN JOURNAL OF GEO-MARINE SCIENCES, vol.43, pp.899-914, 2014 (Journal Indexed in SCI)
Prediction of wave parameters by using fuzzy inference system and the parametric models along the south coasts of the Black Sea
Akpınar A., Özger M., Komurcu M. I.
- JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, vol.19, pp.1-14, 2014 (Journal Indexed in SCI)
Seasonal and spatial variations in the scaling and correlation structure of streamflow data
Ozger M., Mishra A. K. , Singh V. P.
- HYDROLOGICAL PROCESSES, vol.27, pp.1681-1690, 2013 (Journal Indexed in SCI)
Evaluation of the numerical wave model (SWAN) for wave simulation in the Black Sea
Akpınar A., van Vledder G. P. , Komurcu M. I. , Özger M.
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Long Lead Time Drought Forecasting Using a Wavelet and Fuzzy Logic Combination Model: A Case Study in Texas
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- JOURNAL OF HYDROMETEOROLOGY, vol.13, pp.284-297, 2012 (Journal Indexed in SCI)
Scaling Characteristics of Precipitation Data over Texas
Ozger M., Mishra A. K. , Singh V. P.
- JOURNAL OF HYDROLOGIC ENGINEERING, vol.16, pp.1009-1016, 2011 (Journal Indexed in SCI)
Association between Uncertainties in Meteorological Variables and Water-Resources Planning for the State of Texas
Mishra A. K. , Özger M., Singh V. P.

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Estimating Palmer Drought Severity Index using a wavelet fuzzy logic model based on meteorological variables
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- INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.31, pp.2021-2032, 2011 (Journal Indexed in SCI)
Prediction of ocean wave energy from meteorological variables by fuzzy logic modeling
Ozger M.
- EXPERT SYSTEMS WITH APPLICATIONS, vol.38, pp.6269-6274, 2011 (Journal Indexed in SCI)
Wet and dry spell analysis of Global Climate Model-generated precipitation using power laws and wavelet transforms
Mishra A. K. , Ozger M., SINGH V. P.
- STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.25, pp.517-535, 2011 (Journal Indexed in SCI)
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Scaling characteristics of ocean wave height time series
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- PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.390, pp.981-989, 2011 (Journal Indexed in SCI)
Investigating the multifractal properties of significant wave height time series using a wavelet-based approach
Özger M.
Journal of Waterway, Port, Coastal and Ocean Engineering, vol.137, pp.34-42, 2011 (Journal Indexed in SCI Expanded)
- **Scaling characteristics of precipitation data in conjunction with wavelet analysis**
Özger M., Mishra A. K. , Singh V. P.
- JOURNAL OF HYDROLOGY, vol.395, pp.279-288, 2010 (Journal Indexed in SCI)
Coalition possibility of riparian countries via game theory and fuzzy logic models
Kucukmehmetoglu M., SEN Z., Özger M.
- WATER RESOURCES RESEARCH, vol.46, 2010 (Journal Indexed in SCI)
Significant wave height forecasting using wavelet fuzzy logic approach
Ozger M.
- OCEAN ENGINEERING, vol.37, pp.1443-1451, 2010 (Journal Indexed in SCI)
Discussion of "Artificial Models for Interbasin Flow Prediction in Southern Turkey" by M. Erol Keskin and Dilek Taylan
Yildirim G., Özger M.
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Discussion of "Data Mining Process for Integrated Evaporation Model" by M. E. Keskin, O. Terzi, and E. U. Kucuksille
Özger M., Yildirim G.
- JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, vol.136, pp.578-579, 2010 (Journal Indexed in SCI)
A predictive tool by fuzzy logic for outcome of patients with intracranial aneurysm
Hatiboglu M. A. , Altunkaynak A., OZGER M., IPLIKDOGLU A. C. , Cosar M., TURGUT N.
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Neuro-fuzzy approach for the spatial estimation of ocean wave characteristics
Oezger M.
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Neuro-fuzzy approach in estimating Hazen-Williams friction coefficient for small-diameter polyethylene pipes
Yildirim G., Özger M.
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- **Trend and persistence of precipitation under climate change scenarios for Kansabati basin, India**
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- **An entropy-based investigation into the variability of precipitation**
Mishra A. K. , Ozger M., SINGH V. P.
JOURNAL OF HYDROLOGY, vol.370, pp.139-154, 2009 (Journal Indexed in SCI)
- **Comparison of fuzzy inference systems for streamflow prediction**
Ozger M.
HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, vol.54, pp.261-273, 2009
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- **Determining turbulent flow friction coefficient using adaptive neuro-fuzzy computing technique**
Oezger M., Yildirim G.
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- **Low frequency drought variability associated with climate indices**
Ozger M., MISHRA A. K. , SINGH V. P.
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- **Return period and risk calculations for ocean wave energy applications**
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- **Triple diagram method for the prediction of wave height and period**
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- **Prediction of wave parameters by using fuzzy logic approach**
Ozger M., SEN Z.
OCEAN ENGINEERING, vol.34, pp.460-469, 2007 (Journal Indexed in SCI)
- **Discussion of Estimation of wave spectral shapes using ANN by Naithani R and Deo MC**
Oezger M., Altunkaynak A.
ADVANCES IN ENGINEERING SOFTWARE, vol.38, pp.68, 2007 (Journal Indexed in SCI)
- **Fuzzy logic model for equilibrium scour downstream of a dam's vertical gate**
Uyumaz A., Altunkaynak A., OEZGER M.
Journal of Hydraulic Engineering, vol.132, pp.1069-1075, 2006 (Journal Indexed in SCI Expanded)
- **Space-time interpolation by combining air pollution and meteorologic variables**
Sen Z., Altunkaynak A., OEZGER M.
Pure and Applied Geophysics, vol.163, pp.1435-1451, 2006 (Journal Indexed in SCI Expanded)
- **Fuzzy logic modeling of the dissolved oxygen fluctuations in Golden Horn**
Altunkaynak A., OZGER M., CAKMAKCI M.
ECOLOGICAL MODELLING, vol.189, pp.436-446, 2005 (Journal Indexed in SCI)
- **Regional streamflow estimation by standard regional dependence function approach**
Altunkaynak A., OZGER M., SEN Z.
JOURNAL OF HYDRAULIC ENGINEERING-ASCE, vol.131, pp.1001-1006, 2005 (Journal Indexed in SCI)
- **Spatial significant wave height variation assessment and its estimation**
Altunkaynak A., OZGER M.
JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING-ASCE, vol.131, pp.277-282, 2005 (Journal Indexed in SCI)
- **Water consumption prediction of Istanbul City by using fuzzy logic approach**
Altunkaynak A., OZGER M., CAKMAKCI M.
WATER RESOURCES MANAGEMENT, vol.19, pp.641-654, 2005 (Journal Indexed in SCI)
- **El nino southern oscillation (ENSO) templates and streamflow prediction**
Sen Z., Altunkaynak A., OZGER M.
JOURNAL OF HYDROLOGIC ENGINEERING, vol.9, pp.368-374, 2004 (Journal Indexed in SCI)
- **Stochastic wave energy calculation formulation**

Ozger M., Altunkaynak A., SEN Z.

RENEWABLE ENERGY, vol.29, pp.1747-1756, 2004 (Journal Indexed in SCI)

● **Statistical investigation of expected wave energy and its reliability**

Ozger M., Altunkaynak A., SEN Z.

● ENERGY CONVERSION AND MANAGEMENT, vol.45, pp.2173-2185, 2004 (Journal Indexed in SCI)

● **Sediment concentration and its prediction by perceptron Kalman filtering procedure**

Sen Z., Altunkaynak A., OZGER M.

● JOURNAL OF HYDRAULIC ENGINEERING-ASCE, vol.130, pp.816-826, 2004 (Journal Indexed in SCI)

● **Temporal significant wave height estimation from wind speed by perceptron Kalman filtering**

Altunkaynak A., OZGER M.

● OCEAN ENGINEERING, vol.31, pp.1245-1255, 2004 (Journal Indexed in SCI)

● **Autorun persistence of hydrologic design**

Sen Z., Altunkaynak A., OZGER M.

● JOURNAL OF HYDROLOGIC ENGINEERING, vol.8, pp.329-338, 2003 (Journal Indexed in SCI)

● **Increasing water supply by mixing of fresh and saline ground waters**

Sen Z., SAUD A., Altunkaynak A., OZGER M.

● JOURNAL OF THE AMERICAN WATER RESOURCES ASSOCIATION, vol.39, pp.1209-1215, 2003 (Journal Indexed in SCI)

● **Triple diagram model of level fluctuations in Lake Van, Turkey**

Altunkaynak A., ÖZGER M., ŞEN Z.

HYDROLOGY AND EARTH SYSTEM SCIENCES, vol.7, pp.235-244, 2003 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

● **Discharge coefficient equation to calculate the leakage from pipe networks**

Ekmekcioğlu Ö., Başakın E. E. , Özger M.

Journal of the Institute of Science and Technology , vol.10, pp.1737-1746, 2020 (International Refereed University Journal)

● **Drought analysis with machine learning methods**

Başakın E. E. , Ekmekcioğlu Ö., Özger M.

Pamukkale University Journal of Engineering Sciences, vol.25, pp.985-991, 2019 (Journal Indexed in ESCI)

● **Water Consumption Model of Istanbul City by Gray Prediction Method**

Başakın E. E. , Özger M., Ünal N. E.

● JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, pp.755-761, 2019 (Journal Indexed in ESCI)

● **Gri Tahmin Yöntemi İle İstanbul Su Tüketiminin Modellenmesi**

Başakın E. E. , Özger M., Ünal N. E.

JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, pp.755-761, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

● **Assessing the impacts of climate variability on the water resources in the Rio Grande/Río Bravo basin**

Khedun C. P. , Mishra A. K. , Özger M., Kato-Beaudoin H., Bolten J. D. , Giardino J. R. , Singh V. P.

World Environmental and Water Resources Congress 2010: Challenges of Change, Providence, RI, United States Of America, 16 - 20 May 2010, pp.69-80

Supported Projects

Özger M., Project Supported by Higher Education Institutions, Fırat Ve Dicle Havzalarındaki Günlük Akımların Ölçekleme Özellikleri, 2013 - 2018

Özger M., Project Supported by Higher Education Institutions, Kıyıdaş Ülkeler Arasında İşbirliđi Doğasının Bulanık Mantıkla Deđerlendirilmesi: Fırat ve Dicle Nehirleri Örneđi, 2007 - 2018

Özger M., Project Supported by Higher Education Institutions, Rize İl Sınırlarında Bulunan Su Havzalarının Taşkın Risk Tayini: İklim ve Hidrolojik Modellere Göre Mevcut ve Gelecekteki Durum, 2014 - 2017

Özger M., Project Supported by Higher Education Institutions, Akarsularda Katı Madde Miktarının Dalgacık - Bulanık Mantık Yöntemiyle Belirlenmesi, 2013 - 2015

Özger M., Project Supported by Higher Education Institutions, Baraj Haznesine Gelen Su için Uzun Süreli Tahminlerin Yapılması, 2012 - 2015

Citations

Total Citations (WOS):1097

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