Prof. ABDURRAHMAN UFUK ŞAHİN

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Bogazici University, Institute Of Science, İnşaat Mühendisliği, Turkey 2008 - 2012
Postgraduate, Bogazici University, Institute Of Science, İnşaat Mühendisliği, Turkey 2005 - 2008
Undergraduate, Bogazici University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 1999 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Incremental area method approach for the determination of aquifer parameters and aquifer systems identification, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Yl) (Tezli), 2012
Postgraduate, Artificial neural networks approach for the determination of aquifer parameters, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Yl) (Tezli), 2008

Research Areas

Civil Engineering, Hydraulic, Surface Water Engineering, Hydrology, Water Resources Planning and Management, Hydromechanics, Groundwater Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - Continues
Assistant Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2018
Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Cıvıl Engıneerıng, 2005 - 2013

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - Continues

Hacettepe Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - Continues

Courses

Akışkanlar Mekaniği, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Multi-Criteria Decision Analyses for the Selection of Hydrological Flood Routing Models**
ŞAHİN A. U., ÖZKAYA A.
Water (Switzerland), vol.15, no.14, 2023 (SCI-Expanded)

II. **Regression-Based Interpretation Method for Confined Aquifer Pumping Tests**
Çiftçi E., ŞAHİN A. U.
Journal of Hydrologic Engineering, vol.28, no.2, 2023 (SCI-Expanded)

III. **Cessation time approach incorporating parametric and non-parametric machine-learning algorithms for recovery test data**
ŞAHİN A. U., Çiftçi E.
Hydrological Sciences Journal, vol.68, no.11, pp.1578-1590, 2023 (SCI-Expanded)

IV. **A Novel Optimisation Framework for the Interpretation of Unconfined Aquifer Pumping Test Data**
ŞAHİN A. U.
Proceedings of the Institution of Civil Engineers: Water Management, 2022 (SCI-Expanded)

V. **Simple methods for quick determination of aquifer parameters using slug tests**
ŞAHİN A. U.
HYDROLOGY RESEARCH, vol.48, no.2, pp.326-339, 2017 (SCI-Expanded)

VI. **An integration-based estimation approach for the determination of slug test parameters under various flow geometries**
ŞAHİN A. U., Ciftci E.
ARABIAN JOURNAL OF GEOSCIENCES, vol.9, no.14, 2016 (SCI-Expanded)

VII. **A new parameter estimation procedure for pumping test analysis using a radial basis function collocation method**
ŞAHİN A. U.
ENVIRONMENTAL EARTH SCIENCES, vol.75, no.3, 2016 (SCI-Expanded)

VIII. **A New Inverse Solution Assessment for the Recovery Test Using Radial Basis Function Collocation Method**
ŞAHİN A. U.
WATER RESOURCES MANAGEMENT, vol.30, no.3, pp.947-962, 2016 (SCI-Expanded)

IX. **An area matching process to estimate the hydraulic parameters using transient constant-head test data**
ŞAHİN A. U., Çiftçi E.
HYDROLOGY RESEARCH, vol.47, no.5, pp.919-931, 2016 (SCI-Expanded)

X. **Assessing radial transmissivity variation in heterogeneous aquifers using analytical techniques**
Avci C. B., Sahin A. U.
HYDROLOGICAL PROCESSES, vol.28, no.23, pp.5739-5754, 2014 (SCI-Expanded)

XI. **A new method for aquifer system identification and parameter estimation**
Avci C. B., Sahin A. U., Ciftci E.
HYDROLOGICAL PROCESSES, vol.27, no.17, pp.2485-2497, 2013 (SCI-Expanded)

XII. **Assessment of advective-dispersive contaminant transport in heterogeneous aquifers using a meshless method**
Ciftci E., Avci C. B., Borekci O. S., Sahin A. U.

ENVIRONMENTAL EARTH SCIENCES, vol.67, no.8, pp.2399-2409, 2012 (SCI-Expanded)

XIII. **Aquifer parameter estimation using an incremental area method**
Avci C. B., Sahin A. U., Ciftci E.
HYDROLOGICAL PROCESSES, vol.25, no.16, pp.2584-2596, 2011 (SCI-Expanded)

XIV. **Identification of aquifer and well parameters from step-drawdown tests**
Avci C. B., Ciftci E., Sahin A. U.
HYDROGEOLOGY JOURNAL, vol.18, no.7, pp.1591-1601, 2010 (SCI-Expanded)

Articles Published in Other Journals

I. **Leaky strip aquifer parameter estimation by ratio matching process**
Şahin U.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.29, no.3, pp.296-302, 2023 (Peer-Reviewed Journal)

Supported Projects

ŞAHİN A. U., Project Supported by Higher Education Institutions, Akifer Hetrojenliğinin Sayısal Modellemesi, 2017 - 2020
ŞAHİN A. U., Project Supported by Higher Education Institutions, Sızdıran Akifer Sistemi için Alan Bazlı Yeni Bir Parametre Tahmin Metodolojisi, 2015 - 2016

Metrics

Publication: 15
Citation (WoS): 49
Citation (Scopus): 49
H-Index (WoS): 5
H-Index (Scopus): 5