

## Assoc. Prof. ABDURRAHMAN UFUK ŞAHİN

### Personal Information

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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 (YI) (Tezli), 2012

Postgraduate, Artificial neural networks approach for the determination of aquifer parameters, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (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 Civil Engineering, 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

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

- I. **Simple methods for quick determination of aquifer parameters using slug tests**  
ŞAHİN A. U.  
HYDROLOGY RESEARCH, vol.48, no.2, pp.326-339, 2017 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)

## 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

## Citations

Total Citations (WOS):49

h-index (WOS):5