



## Mohammad Givehchi Professor

Faculty : Engineering

Departments : Civil Engineering

Phone : +9854 - 31132885

Email : m.givehchi@eng.usb.ac.ir

Address : Dept.of Civil Engineering, Faculty of Engineering,  
University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,  
Iran.

## Education

- ✓ B.Sc, Civil Engineering, Sistan and Baluchestan University - 1990
- ✓ MS, Civil Engineering- Water Engineering, K. N. Toosi University of Technology - 1993
- ✓ PhD, Civil Engineering- Water Engineering, Ferdowsi University of Mashhad - 2009

## Courses

- |   |                             |
|---|-----------------------------|
| 1. Reinforced Concrete Structures Project | 2. Steel Structures Project |
| 3. specific studies                       | 4. Dynamics                 |
| 5. Engineering Hydrology                  | 6. 0                        |

## Master Thesis

1. [sddSimulation of Climate Change Effects on Groundwater \(Case Study: Birjand Plain\)](#)  
احسان بیجاری, [Bahareh Pirzadeh, Mohammad Givehchi, Mohsen Hamidianpour]  
نیمسال دوم سال تحصیلی 95-96
2. [asrInvestigation of quality of ground water for drinking and agriculture purposes and the effect of hydro geochemical processes on the Zahedan aquifer quality](#)  
پیمان زراعتگردویم, [Bahareh Pirzadeh, Mohammad Givehchi]  
نیمسال دوم سال تحصیلی 95-96
3. [Modeling the cutoff wall of dam With PLAXIS](#)  
سعید شهرکی, [Mohammad Givehchi, Mehdi Azhdary Moghaddam]  
نیمسال اول سال تحصیلی 90-91
4. [Investigation on analysis of seepage in earth dams](#)  
امیره نخعی, [Mohammad Givehchi, Mehdi Azhdary Moghaddam]  
نیمسال اول سال تحصیلی 90-91

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## Journals Papers

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### 2021

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#### 1. Reliability Analysis of Pumping Station for Sewage Network Using Hybrid Neural Networks - Genetic Algorithm and method of Moment

, Bahareh Pirzadeh, Behrooz Keshtegar, Mohammad Givhchi

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION Volume: (145) 39 - 51

#### 2. Probabilistic Modeling and Estimation of Flow Rate of Sewage Treatment Plant Using Monte Carlo Hybrid Method

, Bahareh Pirzadeh, Behrooz Keshtegar, Mohammad Givhchi

Volume: (31) 60 - 69

#### 3. A hybrid statistical regression technical for prediction wastewater inflow

, Bahareh Pirzadeh, Behrooz Keshtegar, Mohammad Givhchi

COMPUTERS AND ELECTRONICS IN AGRICULTURE Volume: (184) 106115-1 - 106115-17

### 2020

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#### 4. Multi-purpose Design of Water Supply Networks in Order to Reduce Pressure Surplus of Network (Case Study: Ismail Abad Water Supply Network)

Mohammad Yousefi, Mohammad Givhchi, Mehdi Azhdary Moghaddam, JAFAR JAFARI-ASL

Volume: (14) 1240 - 1251

### 2017

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#### 5. Prediction of the Velocity Contours in Triangular Channel with Non-uniform Roughness Distributions by Adaptive Neuro-Fuzzy Inference System

, Mohammad Givhchi

Volume: (28) 47 - 57

#### 6. Predicting turbulent flow friction coefficient using ANFIS technique

, Mohammad Givhchi, , , ,

Signal Image and Video Processing Volume: (11) 341 - 347

### 2016

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#### 7. PERFORMANCE INVESTIGATION OF NEURO-FUZZY SYSTEM

, Mohammad Givhchi, Mahmoud Miri,

Asian Journal of Civil Engineering (Building and Housing Volume: (17) 213 - 223

#### 8. Performance investigation of neuro-fuzzy system for earthquake prediction

, Mohammad Givehchi, Mahmoud Miri,

Asian Journal of Civil Engineering (Building and Housing Volume: (17) 213 - 223

## 2010

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### 9. Discharge Estimation in a Tidal River with Partially

, Mohammad Givehchi

journal of waterway port coastal and ocean engineering-asce Volume: (136) 266 - 275

### 10. Discharge Estimation in a tidal river with partially reverse flow

, Mohammad Givehchi

JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING-ASCE Volume: (136) 266 - 275

## 2009

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### 11. Application of Depth-Averaged Velocity Profile for Estimation of Longitudinal Dispersion in Rivers

Mohammad Givehchi, ,

Volume: (20) 91 - 96

### 12. Discharge Estimation by the aid of isovel contours in a tidal river with partially revers flow

Mohammad Givehchi, ,

International Journal of Civil Engineering Volume: (7) 99 - 108

## Conferences Papers

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## 2017

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### 1. Investigation of triangulat obstacle on muddy flow using Flow-3D

16th Iranian Hydraulic Conference

Sakineh Safari, Mohammad Givehchi, Bahareh Pirzadeh

## 2010

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### 2. Determination of depth-averaged velocity for estimation of longitudinal dispersion in natural rivers by using new method

International Conference onWater Wastewater Treatment

Mohammad Givehchi