Curriculum Vitae

Farzin Salmasi, B.Sc., M.Sc. Ph.D., Accociate Professor
Department of Water Engineering, Faculty of Agriculture, University of Tabriz, Tabriz, IRAN
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Publications and presentations

1. 15 papers in international ISI indexed Journals,
2. 40 papers in national Journals,
3. 40 papers in international and national scientific conferences,
4. 3 books/book chapters,
5. 2 researchs in University of Tabriz.

Citation acquired from Google scholar database on 14-March-2017

Total citation: 115
h-index= 6

Scopus ID: 42561662600
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Researcher ID: E-1411-2017
Google scholar: https://scholar.google.com/citations?user=clKVKIUAAAAJ&hl=en

Personal Data

Nane	Surname	Birth day	Nationality	Sex
Farzin	Salmasi	3/4/1970	Iranin	Male

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Educational Background

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
B.Sc.	Irrigation and drainage engineering	University of Tabriz, Tabriz, IRAN	1992
M.Sc.	Hydraulic structures	University of Shahid Chamran, Ahvaz, IRAN	1997
Ph.D.	Hydraulic structures	University of Shahid Chamran, Ahvaz, IRAN	2004

Title of Thesis

Title of M.Sc. Thesis: Groundwater computer model for Ghorveh plain and its application in planning and management of groundwater artificial recharge

Supervisor: Dr. H. A. Kashkouli

Advisor: Dr. M. Shafaei Bejestan

Title of PhD Thesis: Hydraulic Investigation and Physical Modeling on Stepped Spillways

Supervisors: Dr. M. Bina and Dr. H. Musavi Jahromi
Advisors: Dr. M. Ghomeshi and Dr. M. Fathi Moghadam

Academic Positions

- Full-time assistant professor at the Department of Water Engineering, Faculty of Agriculture, University of Tabriz, Tabriz, IRAN. (December 2006- April 2013)
- Full-time associate professor at the Department of Water Engineering, Faculty of Agriculture, University of Tabriz, Tabriz, IRAN. (April 2013- Present)

Teaching Experiences

Title of Course	Level	Dates		Name of Institution
		From	**To**	
Slope stability	PhD	2014	Present	University of

				Tabriz
Earth dams	MSc	2010	Present	University of Tabriz
Design of hydraulic regulating structures	MSc	2010	2016	University of Tabriz
Pump and pump stations	BSc	2006	Present	University of Tabriz
Survying	BSc	2007	2011	University of Tabriz
Design of hydraulic structures (II)	BSc	2006	Present	University of Tabriz

Papers in internationally refereed journals (English language)

No	Title	Journal's Name	Date	Volume, Page No.	Authors
1	Comparison of different methods used in determination of irrigation reservoir capacity	Journal of agricultural sciences, Ankara university, faculty of agriculture	2008	14 (1): 1-7	Mohammad T. Sattari, Farzin Salmasi and Fazli Ozturk
2	Physical and numerical modeling of the nappe flow in the stepped spillways	Journal of Applied Sciences	2008	8 (9): 1720-1725	Habib Musavi-Jahromi, Mahmood Bina and Farzin Salmasi
3	An Artificial Neural Network (ANN) for Hydraulics of Flows	European Journal of Scientific Research	2010	45(3): 450-457	Farzin Salmasi

	on Stepped Chutes				
4	Design of gravity dam by genetic algorithms	International Journal of Civil and Environmental Engineering	2011	3(3): 187-192	Farzin Salmasi
5	Energy loss at drops using NeuroSolutions	International Journal of Civil and Environmental Engineering	2011	3(4): 193-201	Farzin Salmasi
6	A study of friction factor formulation in pipes using artificial intelligence techniques and explicit equations	Turkish Journal of Engineering and Environmental Science, TUBITAK doi:10.3906/muh-1008-30	2012	36: 121-138	Farzin Salmasi, Rahman Khatibi and Mohammad Ali Ghorbani
7	Application of data mining on evaluation of energy dissipation over low gabion-stepped weir	Turkish Journal of Agriculture and Forestry, TUBITAK doi:10.3906/tar-1011-1506	2012	36: 95-106	Farzin Salmasi, Mohammad Taghi Sattari and Mahesh Pal
8	Experimental Study of Energy Dissipation Over Stepped Gabion Spillways with Low Heights	Iranian Journal of Science and Technology (IJST), Transaction B: Engineering, Civil Engineering, Shiraz university	2012	Vol. 36, No.C2, pp 253-264	Farzin Salmasi, M. R. Cahamani and D. Farsadi zadeh
9	Discharge Relations for Rectangular Broad-Crested Weirs	Journal of Agricultural Sciences, Tarım Bilimleri Dergisi (tbd)	2012	17: 324-336	Farzin Salmasi, Sanaz Poorescandar, Ali Hosseinzadeh

					Dalir & Davood Farsadi Zadeh
10	Determination the invert level of a stilling basin to control hydraulic jump	Global Advanced Research Journal of Agricultural Science	2012	1(4): 74-79	Farzin Salmasi
11	Vertical Sluice Gate Discharge Coefficient	Journal of Civil Engineering and Urbanism	2012	2 (3): 108-114	Navid Nasehi Oskuyi and Farzin Salmasi
12	Application of Bed Sill to Control Scouring Around Cylindrical Bridge Piers	Journal of Civil Engineering and Urbanism	2012	2 (3): 115-121	Sina Razi, Farzin Salmasi, Ali Hosseinzadeh Dalir and Davood Farsadizaeh
13	Weep Hole and Cut-off Effect in Decreasing of Uplift Pressure (Case Study: Yusefkand Mahabad Diversion Dam)	Journal of Civil Engineering and Urbanism	2012	2 (3): 97-101	Salim Azizi, Farzin Salmasi, Akram Abbaspour and Hadi Arvanaghi
14	Aeration in Bottom Outlet Conduits of Dams for Prevention of Cavitation	Journal of Civil Engineering and Urbanism	2012	2 (5): 196-201	Roya Kolachian, Akram Abbaspour and Farzin Salmasi
15	Predicting discharge coefficient of compound broad-crested weir by using genetic programming (GP) and artificial	Arabian Journal of Geosciences	2013	(6): 2709–2717	Farzin Salmasi, Gürol Yıldırım, Azam Masoodi & Parastoo Parsamehr

	neural network (ANN) techniques				
16	Determination of optimum relaxation coefficient using finite difference method for groundwater flow	Arabian Journal of Geosciences	2013	(6): 3409-3415	Farzin Salmasi & Hazi Mohammad Azamathulla
17	Numerical Study of Hydraulic Jump on Rough Beds Stilling Basins	Journal of Civil Engineering and Urbanism	2013	3 (1): 19-24	Saideh Ebrahimi, Farzin Salmasi and Akram Abbaspour
18	Effect of Horizontal Drain Length and Cutoff Wall on Seepage and Uplift Pressure in Heterogeneous Earth Dam with Numerical Simulation	Journal of Civil Engineering and Urbanism	2013	3(3): 114-121	Behnam Mansuri and Farzin Salmasi
19	Optimization of Deficit Irrigation Using Non-Linear Programming (Case Study: Mianeh Region, Iran)	International Journal of Agriculture and Crop Sciences	2013	6 (5): 252-260	Vahid Azimi, Farzin Salmasi, Naser Entekhabi, Habib Tabari and Ali Rashid Niaghi
20	Performance of the horizontal drains in upstream shell of earth dams on the upstream slope stability during rapid	Arabian Journal of Geosciences	2014	7(5): 1957–1964	Abdolreza Moharrami, Yousef Hassanzadeh, Farzin Salmasi, Gholam Moradi

					and Gholamreza Moharrami
21	Modeling energy dissipation over stepped spillways using machine learning approaches	Journal of Hydrology	2014	(508): 254–265	Kiyoumars Roushangar, Samira Akhgar, Farzin Salmasi, Jalal Shiri
22	Effect of Homogeneous Earth Dam Hydraulic Conductivity Ratio (K_x/K_y) with Horizontal Drain on Seepage	Indian Geotechnical Journal	2014	44(3):322-328	Farzin Salmasi and Behnam Mansuri
23	Optimum design of stepped spillways with skimming flow	International Journal of Civil and Environmental Research (IJCER)	2014	1 (1): 19-31	Farzin Salmasi
24	Computation seepage from trapezoidal channels using numerical simulation	Applied mathematics in Engineering, Management and Technology, The special issue in Management and Technology	2014	862-874	Fatemeh Jafari and Farzin Salmasi
25	Effects of Pipe's Roughness and Reservoir Head Levels on Pressure Waves in Water Hammer	Journal of Civil Engineering and Urbanism	2014	4 (1): 36-40	Behnam Mansuri, Farzin Salmasi and Behrooz Oghati Bakhshayesh
26	Modelling Energy Dissipation Over Stepped-gabion Weirs by Artificial Intelligence	Water Resources Management	2014	28:1807–1821	Rahman Khatibi, Farzin Salmasi, Mohammad Ali Ghorbani & Hakimeh Asadi
27	Sensitivity Analysis for Water Hammer	Iranica Journal of Energy & Environment	2014	5 (2): 124-131	Behnam Mansuri, Farzin Salmasi

	Problem in Pipelines				and Behrooz Oghati
28	Neuro-Fuzzy Approach for Estimating Energy Dissipation in Skimming Flow over Stepped Spillways	Arabian Journal for Science and Engineering	2014	Volume 39: 6099–6108	Farzin Salmasi and Mehmet Özger
29	DETERMINATION OF DISCHARGE COEFFICIENT IN INCLINED RECTANGULAR SHARP CRESTED WEIRS USING EXPERIMENTAL AND NUMERICAL SIMULATION	JOURNAL OF CURRENT RESEARCH IN SCIENCE	2014	2 (3): 401-406	Hadi Arvanaghi, Vadoud Naderi, Vahid Azimi and Farzin Salmasi
30	Capillary rise in homogeneous earth dam for determination length of a horizontal drain	International Journal of Civil and Environmental Research (IJCER)	2014	1 (2): 51-64	Amir Raoufi, Farzin Salmasi and Behnam Mansuri
31	Effect of Location and Angle of Cutoff Wall on Uplift Pressure in Diversion Dam	Geotechnical and Geological Engineering	2014	32: 1165–1173	Behnam Mansuri, Farzin Salmasi and Behrooz Oghati
32	Optimum Size for Clay Core of Alavian Earth Dam by Numerical Simulation	Iranica Journal of Energy & Environment	2014	5 (3): 246-252	Armin Farzampour, Farzin Salmasi and Behnam Mansuri
33	Use of Numerical Simulation to Measure the Effect of Relief Wells for Decreasing Uplift in a Homogeneous Earth Dam	Civil Engineering Infrastructures Journal	2015	48(1): 35-45,	Farzin Salmasi, Behnam Mansuri and Amir Raoufi
34	Energy dissipation of skimming flow with different sill dimensions in stepped spillway	Inter J Agri Biosci	2015	4(3): 118-121	Ebrahim Asadi, Ali Hosseinzadeh Dalir, Davood Farsadizadeh, Yousof

	model				Hassanzaheh and Farzin Salmasi
35	COMPARISION OF HYDRAULIC GRADIENT AND UPLIFT PRESSURE IN THREE TYPES OF DAMS: HOMOGENEOUS, HETEROGENEOUS EARTHFILL DAMS AND CONCRETE GRAVITY DAM	Scientific Advances Journal of Civil and Construction Engineering	2015	1(1): 91-103	Farzin Salmasi and Behnam Mansuri
36	VALIDITY OF SCHAFFERNAK AND CASAGRANDE'S ANALYTICAL SOLUTIONS FOR SEEPAGE THROUGH A HOMOGENEOUS EARTH DAM	Scientific Advances Journal of Civil and Construction Engineering SAJCCE	2016	2(1): 15-28	Farzin Salmasi and Fatemeh Jafari
37	Numerical investigation of underground drain radius, depth and location on uplift pressure reduction (Case study: Tabriz diversion dam)	Azarian Journal of Agriculture	2016	3(3): 58-65	Farzin Salmasi and Behnam Mansuri
38	Numerical Investigation of the Optimum Location for Vertical Drains in Gravity Dams	Geotechnical and Geological Engineering	2017		Bahram Nourani, Farzin Salmasi, Akram Abbaspour and Behrooz Oghati Bakhshayesh
39	Neural networks- and neuro-fuzzy-based determination of influential parameters on energy dissipation over stepped spillways under nappe flow	ISH Journal of Hydraulic Engineering	2017	23(1): 57–62	Kiyoumars Roushangar, Samira Akhgar, Farzin Salmasi & Jalal Shiri

No	Title	Publisher	Year		Authors
40	Predicting Discharge Coefficient of Rectangular Broad-Crested Gabion Weir Using M5 Tree Model	Iran J Sci Technol Trans Civ Eng (Shiraz University)	2017		Farzin Salmasi and M. Taghi Sattari

Books

No	Title	Publisher	Year	Authors
1	Modeling energy dissipation over gabion-stepped weir by data mining	Verlag, LAP LAMBERT Academic Publishing GmbH & Co. KG, Printed in the USA	2013	**Farzin Salmasi**, Mohammad Taghi Sattari and Mahesh Pal
2	Aeration in bottom outlet conduit of dam for prevention of cavitation	Scholars' press (ISNN: 978-3-639-66180-4)	2014	Roya Kolachian Langeroudi, Akram Abbaspour and **Farzin Salmasi**
3	Seepage from open channels by numerical modeling	Verlag, LAP LAMBERT Academic Publishing GmbH & Co. KG, Printed in the USA	2014	Fatemeh Jafari and **Farzin Salmasi**