

Curriculum Vitae

Personal Data:

Name	Surname	Date of Birth	Nationality	Sex	Marital Status
<i>Seyed Ali Ashraf</i>	<i>Sadraddini</i>	<i>17.5.1959</i>	<i>Iran</i>	<i>Male</i>	<i>Married</i>

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Educational Background: (Last One First)

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
<i>Ph.D.</i>	<i>Irrigation & Drainage</i>	<i>University of Tabriz , Iran.</i>	<i>2005</i>
<i>M.Sc.</i>	<i>Water Resources</i>	<i>University of Tabriz, Iran.</i>	<i>1988</i>
<i>B.S.</i>	<i>Irrigation</i>	<i>University of Tabriz, Iran.</i>	<i>1985</i>
<i>Diploma</i>	<i>Mathematics</i>	<i>Safa High school- Tabriz, Iran.</i>	<i>1977</i>

Title of Post-Graduate Thesis: Study of Two-Phase Slug Flow in Horizontal Ducts

Title of Doctorate Thesis: Optimization of Surge Irrigation Using Tabu Search Method.

Teaching Experiences: (Last One First)

Title of Course	Level	Dates		Name of Institution
		From	To	
Computational Hydraulics	Ph.D.	2005	2011	University of Tabriz
Surface Irrigation Hydraulics	Ph.D.	2005	2011	University of Tabriz
Surface Irrigation	M.Sc.	2004	2011	University of Tabriz
Sprinkle and Trickle Irrigation	M.Sc.	1996	2011	University of Tabriz
Irrigation Principles	B.S.	2000	2006	University of Tabriz
Drainage Engineering	B.S.	1994	1998	University of Tabriz
Ground Water	B.S.	1994	1998	University of Tabriz
Water Resources Management	B.S.	1992	1994	University of Tabriz
Hydraulic Structures	B.S.	1988	1991	University of Urmia
statics	B.S.	1987	2003	Universities of Tabriz & Urmia
Pump and pumpage	B.S.	1987	2003	Universities of Tabriz & Urmia

Administrative Responsibilities:

Job Title	Place of Work	Date		Name of Institution
		From	To	
Head of Department	Irrigation section	12.2.2006	12.2.2008	Tabriz University

Academic Positions: (Last One First)

Title of Position	Field of Specialization	Date		Name of Institution
		From	To	
Associate Professor	Irrigation and Drainage	16.1.2010	-----	University of Tabriz
Assistant Professor	Irrigation and Drainage	2005	2010	University of Tabriz
Lecturer	Irrigation and Drainage	1987	2003	Universities of Tabriz & Urmia

Master and Doctorate Thesis Supervision:

No	Full Name of Student	Level	Title of Thesis
1	Majid Raof	M.Sc.	Application of Beta Distribution Function in Determination of Water Distribution
2	Solmaz Golmohammadbeygi	M.Sc.	Flood Control and its Hydraulic Effects on Baneh River
3	Sara Rastgou	M.Sc.	Application of Arc GIS in Management of South Behbahan's Fields
4	Sholeh Moradi	M.Sc.	Performance Evaluation of Drainage and Irrigation Network of Sofi-Chai
5	Nader Karimi	M.Sc.	Estimation of Cucumber Water Requirement and Yield in Greenhouse under Deficit Irrigation
6	Majid AsadiLour	M.Sc.	Water Quality Simulation in Urmia's Shaharchay River Using the Wasp Model
7	Habib Sayyadi	M.Sc.	Intelligent Simulation of Wind Distorted Water Distribution Pattern of Single Sprinkler
8	Ahad Faalian	M.Sc.	Simulation of Water Distribution Pattern of Single Sprinkler of Center Pivot Irrigation System Using Probability Distributions
9	Samira Nemati-Khiabani	M.Sc.	Suspended Sediment Estimation and Forecasting Using Adaptive Neural-Fuzzy Inference System (ANFIS) and Time Series Models (case study: Ligvan River Watershed)
10	Saeed samadian	M.Sc.	Numerical and Analytical Simulation of Soil Wetting Pattern of Trickle
11	Farhad Aslani	M.Sc.	Estimation of Appropriate Depth and Spacing of Subsurface Drains Based on Drain Water Quality
12	Reza Dalir-Hassannia	Ph.D.	Dynamic Model for Water Distribution Pattern of Center Pivot Irrigation
13	Majid Raof	Ph.D.	Investigation of Infiltration and Soil Hydraulic Properties in Sloping Lands

Publications:

Papers

Title of Paper	Place of Publication	Date of Publication
Application of Volume Balance Model in Cutback Furrow Irrigation Design (Farsi)	J. Agricultural Science – University of Tabriz. No.1, Vol.13	2003
Optimization of Surge Irrigation Using Tabu Search Method (Farsi)	Iranian J. of Agriculture Sciences- University of Tehran. No.1, Vol. 37	2006
Time Development of Scour Hole around an Abutment	J. of Faculty of Engineering - University of Tabriz. No.3 Vol. 37	2008
Application of Beta Distribution Function in Determination of Water Distribution (Farsi)	Iranian J. of Soil and Water Research- University of Tehran. No.1 Vol. 39	2008
Comparison of RBF and MLP Neural Networks Performance for Estimation of Reference Crop Evapotranspiration (Farsi)	J. of Water and Soil Science- University of Tabriz. No.1, Vol.19	2008
Barb Losses of Four Common Types of On-Line Trickle Irrigation Drippers in Iran (Farsi)	J. of Water and Soil Science- University of Tabriz. No.1, Vol.19	2008

Intelligent Simulation of Wind Distorted Water Distribution Pattern of Single Sprinkler	Iranian J. of Irrigation & Drainage, Iranian Association of Irrigation and Drainage (IAID), No. 1, Vol. 3	
Hydraulic Simulation of Rainfall- Runoff Process in Kamanaj Watershed Using Diffusive Model (English)	Tarim Bilimeri Dergisi J. of Agricultural Sciences- Ankara University. No.3, Vol. 14	2008
Numerical Study of Hydraulic Jumps on Corrugated Beds Using Turbulence Models (English)	Turkish J. of Engineering and Environmental Science. No. 1, Vol. 33	2009
Effect of Sinusoidal Corrugated Beds on Hydraulic Jump Characteristics (English)	J. of Hydro- Environment Research. Elsevier, No. 1, Vol. 1	2009
Estimating Saturated and Unsaturated Hydraulic Conductivity and Sorptivity coefficient in Transient State in Sloping Lands (English)	International J. of Food, Agriculture & Environment(JFAE) Vol.7 (3&4)	2009
Dynamic Model for Water Application using Centre Pivot Irrigation (English)	J. of Biosystems Engineering Accepted for Publication on 26.1.2010	
Measuring and Modeling Root water Uptake in Unsaturated Soil (English)	Turkish J. of Agriculture and Forestry Accepted for Publication on 15.02.2010	

Research Activities:

Title of Project	Place of Work	Dates	
		From	To
Evaluation of Spray Drop from Home-made Sprinkler and its Effects on Agricultural Soils	University of Tabriz, Iran.	1998	2001
Study of Evapotranspiration and Infiltration due to Rainfall in Ajab-Shir plain.	East Azarbijan & Ardabil Regional Water Organization, Iran.	2003	2005
Barb Losses of On-Line Trickle Irrigation Drippers	University of Tabriz, Iran.	2007	2008

Research Interests: Water management, soil use protection, water and contaminant movement in soils, land- use and environmental problems, optimization of irrigation water delivery schedules, crop water requirements, Surface and pressurized irrigation and all concerned subjects with Irrigation and Drainage Engineering.

Papers Presented at National and International Scientific Assemblies:

Title of Paper	Title and Place of Assembly	Date
Computerized Selection of the Economical pipe Size for Main lines (Farsi)	Application of Computer in Agricultural Sciences, University of Tabriz, Iran.	1993
Effects of Traveling Gun Sprinkler Irrigation on Crust Formation and Infiltration (English)	International Soil Tillage Research Organization 16th Triennial Conference, University of Queensland, Australia.	14-18 July 2003

Application of Full Hydrodynamic Model to Simulate Surge Irrigation(Farsi)	Proceedings of the 4th Iranian Hydraulic Conference, University of Shiraz.	21-23 Oct. 2003
Evaluation of Flow Measuring Hydraulic Structures Performance (case study: Slide Sluices of Irrigation Networks of Mogan Plain, Farsi)	Technical Workshop on Management, Operation and Maintenance of Irrigation and Drainage Network, ICID, Tehran.	4 Jan. 2007
Pricing of Irrigation Water (Farsi)	The 2nd Iran Water Resources Management Conference, Esfahan.	23 Jan. 2007
Partnership Management of Water Resources (Farsi)	The 2nd Iran Water Resources Management Conference, Esfahan.	23Jan. 2007
Water Requirement and Crop Coefficient of Cucumber in Greenhouse(Farsi)	The 9th Conference on Irrigation and Evaporation Reduction, Kerman.	5-7 Feb. 2008
Variation of Reference Crop Evapotranspiration in Greenhouse due to Changes of Outside Climatic Condition(Farsi)	The 9th Conference on Irrigation and Evaporation Reduction, Kerman.	5-7 Feb. 2008
Estimating Ajabshir Aquifer Recharge due to Rainfall	The 3rd Iran Water Resources Management Conference, Tabriz.	15-17Oct. 2008
An Analytical Solution for a Two Dimensional Root Water Uptake Model (Farsi)	The 3rd Iran Water Resources Management Conference, Tabriz.	15-17Oct. 2008
Comparison and Analysis of Hydraulic Characteristics of Well Drains Using Well Drain and Wells Software (Farsi)	The 2nd National Conference on Irrigation and Drainage Networks Management, Ahwaz.	27-29 Jan. 2009
Performance Evaluation of Irrigation and Drainage Networks of Mogan(Farsi)	The 2nd National Conference on Irrigation and Drainage Networks Management, Ahwaz	27-29 Jan. 2009
Effect of Envelop Materials on Entrance Resistance of drain pipes(Farsi)	The 2nd National Conference on Irrigation and Drainage Networks Management, Ahwaz	27-29 Jan. 2009
Water Resources Management: The Case of Middle East (English)	International Symposium on Drylands Ecology and Human Security, Dubai	4-7 Dec. 2006
Sustainable Agricultural Management of Dry Regions(English)	International Symposium on Drylands Ecology and Human Security, Dubai	4-7 Dec. 2006
Numerical Solution of Water Flow in Soil with Root Uptake (English)	International Groundwater Symposium, Istanbul	18-20 June 2008
Simulating Soil Moisture by Integrating Root Water Uptake into Water Flow Model (English)	Conference of International Research on Food, Security, Natural Resources, Management and Rural Development, Torpanteg, Germany.	7-9 Oct. 2008
Estimating Saturated and Unsaturated Hydraulic Conductivity in Steady State Conditions in Sloping lands	International Agricultural Engineering Conference. Bangkok.	7-10 Dec. 2009

Membership to Scientific Associations:

Name of Institution/Association	Position Held	Country	Year
East Azarbaijan Regional Committee on Irrigation & Drainage (Regional Branch of ICID)	Head of Committee	Iran	2006-2010