



Name	Surname	Date of Birth	Nationality	Sex	Marital Status
Seyed Ali Ashraf	Sadraddini	17.5.1959	Iranian	Male	Married

Telephone	Fax	Fax
0098- 411- 3392792	0098-411- 3345322	alisadraddini@yahoo.com

Educational Background: (Last One First)

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

Title of Doctorate Thesis: Optimization of Surge Irrigation Using Tabu Search Method.
Title of Post-Graduate Thesis: Study of Two-Phase Slug Flow in Horizontal Ducts

Teaching Experiences: (Last One First)

Title of Course	Level	Dates		Name of Institution
		From	To	
Computational Hydraulics 2005	Ph.D.	2011	2015	University of Tabriz
Surface Irrigation Hydraulics	Ph.D.	2005	2015	University of Tabriz
Surface Irrigation	M.Sc.	2005	2015	University of Tabriz
Optimization	M.Sc.	2004	2015	University of Tabriz
Sprinkle and Trickle Irrigation	M.Sc.	1996	2015	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
Pump and Pump Stations	B.S.	1987	2003	University of Urmia & Tabriz
Statics	B.S.	1987	2003	University of Urmia & Tabriz

Administrative Responsibilities:

Job Title	Place of Work	Date		Name of Institution
		From	To	
Head of Department	Water Engineering Dept.	12.2.2006	12.2.2008	University of Tabriz

Academic Positions: (Last One First)

Title of Position	Field of Specialization	Date		Name of Institution
		From	To	
Professor	Irrigation and Drainage	2.2.2014	-----	University of Tabriz
Associate Professor	Irrigation and Drainage	16.1.2010	2.2.2014	University of Tabriz
Assistant Professor	Irrigation and Drainage	20.7.2005	16.1.2010	University of Tabriz
Lecturer	Water Resources Engineering	12.5.1988	20.7.2005	University of Urmia & Tabriz

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, (May 2007)
3	3 Sara Rastgou	M.Sc.	Application of Arc GIS in Management of South Behbahan's Fields, (June 2007)
4	Sholeh Moradi	M.Sc.	Performance Evaluation of Irrigation and Drainage Network of SofiChay
5	Nader Karimi	M.Sc.	Estimation of Cucumber Water Requirement and Yield in Greenhouse under Deficit Irrigation
6	Majid Asadi Lour Water	M.Sc.	Water Quality analysis Simulation in Urmia's Shaharchay River Using the Wasp Model, (Sept. 2008)
7	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), (Feb. 2009)
8	Mehdi Bari Burachalo	M.Sc.	Analysis of Seawater Intrusion on Costal Aquifers and Groundwater Quality Variations (a case study on Salmas coastal aquifer), (Dec. 2009)
9	Habib Sayyadi	M.Sc.	Intelligent Simulation of Wind Distorted Water Distribution Pattern of Single Sprinkler, (Dec. 2009)
19	Ahad Faalian	M.Sc.	Simulation of Water Distribution Pattern of Single Sprinkler of Center Pivot Irrigation System Using Probability Distributions, (Dec. 2009)
11	Farhad Aslani	M.Sc.	Appropriate Depth and Spacing of Subsurface Drains Based on Drain Water Quality, (Dec. 2009)
12	Saeed samadian	M.Sc.	Numerical and Analytical Simulation of Soil Wetting Pattern of Trickle Irrigation, (Sept 2009)
13	Meysam Taheri Bad Mahmood	M.Sc.	Estimation of Appropriate Flow Rate, Distance and Layout of Drippers Using Hydrus 2D/3D, (Feb. 2010)
14	Yaser Yekani	M.Sc.	Numerical Simulation of Flow at Junction of Lateral Pipe of Drainage System, (Sep 2010)
15	Hamed Kiafar	M.Sc.	Optimum Allocation of Water in Cropping Season Using Genetic Algorithm in Irrigation and Drainage Network of Soufichay, (Sept. 2010).

16	Seyyed Mahdi Aalinezhad	M.Sc.	Hydrodynamic characteristic of Sprinkler Outflow by Ballistic Model and CFD, (Sep. 2011)
17	Seyyed Hamid Hoseini	M.Sc.	Wetting front Advance in Trickle Irrigation of Sloping Lands, (Sept. 2011)
18	Amin Rostami	M.Sc.	Investigation of Infiltration under Spray Sprinklers of Center Pivot Irrigation, (Jan. 2012)
19	Mohammad Bazzaneh	M.Sc.	Determination the Optimum Arrangement and Spacing of Impact Sprinklers in Sprinkle Irrigation System under Various Wind Conditions, (Jan. 2012)
20	Ali Afruzi	M.Sc.	Analytical Solution of Seepage from Poned Fields into Drainage Ditches, (Feb. 2012)
21	Javad Jafari	M.Sc.	Simulation of Water Quality and Quantity of Outflow from Drains Using System Dynamics, , (Feb. 2012)
22	Reza Karamad Sani	M.Sc.	Numerical Simulation of Flow in a Cyclone Filter for Drip Irrigation, (Sept. 2012)
23	Abdullah Ranjbar	M.Sc.	Effects of Sprinkler Types, Pressure Regulators, Meteorological Parameters and Field Topography on Water Application Uniformity of the Center Pivot Irrigation System, (Sept. 2012)
24	Nina Beighzali	M.Sc.	Integrated Spatial Multi Criteria Making (SMCDM) Methods with Geographical Information System (GIS) in Locating Artificial Recharging (case Study: Shabestar Floodplain), (Sept. 2012)
25	Saeed Noorabadi	M.Sc.	Simulation and Analysis of Soil Water Variation in Furrow Irrigation, (Sept. 2012)
26	Sepideh Karimi	M.Sc.	Evaluation Equilibrium and Non- Equilibrium Transport of Bromide in Undisturbed and Disturbed Soils by Mathematical Models, (August 2012)
27	Saber Jabbari	M.Sc.	Study of Quantitative and Qualitative Changes of Groundwater due to Pumping from Coastal Aquifers Using Mathematical Model (Case Study: Bonab Coastal Aquifer), (Sept. 2012)
28	Sayyadollah Pouryousef	M.Sc.	Impact of Climate Change on Performance of Pressurized Irrigation Networks (case Study: Sattarkhan Dam, Iran)
29	Seyed Saber Sharifi	M.Sc.	Soil Moisture Irrigation Scheduling, (Feb, 2013)
30	Samira Bidadi	M.Sc.	Application of Conceptual Tank Model in Surface Drainage System (Case Study Kamanaj- Olyia Basin), (Feb. 2013)
31	Yalda Seraj Rezaei	M.Sc.	Water Distribution Pattern of Sprinkler under the Regional Prevailing Wind Speeds of Tabriz Area, (Sept. 2013)
32	Mehdi Azarifar	M.Sc.	Investigation of jet breakup Length in Irrigation Sprinklers and its Effect on the Water Distribution Characteristics, (Sept. 2013)
33	Vahdat Ahmadifar	M.Sc.	Size Analysis of the Drop Produced by the Impact Sprinklers Based on Nozzle Diameter and Working Pressure, (Sept. 2014)
34	Keivan Farajzadeh	M.Sc.	Simulation of Pulse Drip Irrigation and Determination of Wetted Depth and Diameter and the most Appropriate On- Off Time Ratio, (Sept. 2014)
35	Mohammadreza Kouchebaghi	M.Sc.	Statistical Analysis of Wind Velocity and its Effect on Reference Crop Evaporation in Tabriz, (Nov. 2014)
36	Ali Rashid Niaghi	M.Sc.	Temporal and Spatial Estimation of Biomass and Evapotranspiration Using the Satellite (Case Study: East Azarbaijan Province, Iran), (Dec 2014)
1	Reza Dalir-Hassannia	Ph.D.	Dynamic Model for Water Distribution Pattern of Center Pivot Irrigation, (Feb. 2010)
2	Majid Raoof	Ph.D.	Infiltration and Soil Hydraulic Properties in Sloping Lands, , (Feb. 2010)
3	Ahad Molavi	Ph.D.	Soil Moisture Pattern under Continuous and Intermittent Flow in Drip Irrigation, , (Feb. 2010)
4	Abolfazl Majnooni	Ph.D.	Modeling Water Flow and Uptake in Spring Canola Field Emphasizing of Root Growth Dynamics (Sept. 2012)
5	Fatemeh Salahshoor	Ph.D.	Water Flow and Salt Transport in Cracking Clay Soils and their Effects on Rice Yield, (May 2014)
6	Saeed samadian	Ph.D.	Simulation of Point Source Time- Depended Soil Moisture Profile using Pore- Network Modeling (May 2014)

7	Jalal Shiri	Ph.D.	Modeling Reference Evapotranspiration: Comparative Analysis between Artificial Intelligence Physical- Empirical Models
8	Habib Sayyadi	Ph.D.	Effects of Deflector Plate Condition on the Dynamics of Water Flow and Spray Characteristics of Center Pivot Irrigation Sprinklers (June 2015)

Papers (issued in English Journals)

- 1- Darbandi, S., Fakherifard, A., Hosseinzadehdalir, A. and Sadraddini, S.A. 2008. Hydraulic Simulation of Rainfall- Runoff Process in Kamanag Watershed Using Diffusive Model. Tarim Bhlmleri Dergisi Journal of Agricultural Science 14(3): 210-216.
- 2- Abbaspour, A., Farsadizadeh, D., Hosseinzadehdalir, A. and Sadraddini, S.A. 2009. Numerical Study of Hydraulic Jumps on Corrugated Beds Using Turbulence Models. Turkish Journal of Engineering and Environmental Science, 33(1): 61- 71
- 3- Abbaspour, A., Hosseinzadehdalir, A., Farsadizadeh, D. and Sadraddini, S.A. 2009. Effect of Sinusoidal Corrugated Bed on Hydraulic Jump Characteristics. Journal of Hydro-environment Research, Elsevier, 1(1): 109-117.
- 4- Raoof, M., Sadraddini.A.A., Nazemi, A.H. and Maroofi, S. 2009. Estimating saturated and Unsaturated hydraulic conductivity and sorptivity coefficient in transient state in sloping lands. International Journal of Food, Agriculture & Environment (JFAE) Vol. 7(3&4)
- 5- Delirhasannha, R., Sadraddini.A.A., Nazemi, A.H., Farsadizadeh, D. and Playan, E. 2010. Dynamic model for water application using centre pivot irrigation. Biosystems Engineering, 105: 476-485
- 6- Besharat, S., Nazemi, A. H., and Sadraddini, A.A. 2010. Parametric modeling of root length density and root water uptake in unsaturated soil. Turkish Journal of agriculture and Forestry, 34:1-11
- 7- Molavi, A. Nazemi, AH. Sadraddini, AA. Fakheri-Fard, A. 2011. Measuring and estimating coordinates of wetted bulb front in soil under point surface emission. Journal of Food, Agriculture & Environment, Vol 9(1): 505-509
- 8- Raoof, M., Nazemi, A.H., Sadraddini.A.A., Maroofi, S. and Pilpayeh A. 2011. Measuring and Estimating Sturated and Unsaturated Hydraulic Conductivity in Steady and Transient States on Sloping lands. World Applied Sciences journal 12 (11): 2023-20331
- 9- Majnooni-Heris, A., Sadraddini.A.A., Nazemi, A.H., Shakiba M.R. Neyshaburi, M.R., and Tuzel, I.H., 2012. Determination of single and dual crop coefficient and ratio of transpiration to evapotranspiration for canola. Annals of Biological Research, 3(4): 1885-1894
- 10- Yekani Motlag, Y., Nazemi, A.H., Sadraddini, A.A., Abbaspour, A., Yekani Motlag, Y. 2012. Numerical investigation of the effects of combining sewer junction characteristics on

the hydraulic parameters of flow in fully surcharged condition. *Water and Environmental Journal*, No: 347:1-12.

- 11- Sayyadi, H., Sadraddini, A.A., Farsadizadeh, D., and Montero J. 2012. Artificial neural networks for simulating wind effects on distribution patterns. *Spanish Journal of Agricultural Research*, 10(4): 1143-1154
- 12- Molavi, A., Sadraddini, AA., Nazemi, AH., Fakheri-Fard, A., 2012. Estimating wetting front coordinates under surface trickle irrigation. *Turkish Journal of Agriculture and Forestry*, 36
- 13- Samadianfard, S., Sadraddini, AA., Nazemi, AH., Provenzano, G., and Kisi, O., 2012. Estimating soil wetting pattern for drip irrigation using genetic programming. *Spanish Journal of Agricultural Research*, 10(4):
- 14- Shiri, J., Nazemi, AH. Sadraddini, AA., Landras, G., and Kisi, O. 2013. Global cross-station assessment of neuro-fuzzy for estimating daily reference evapotranspiration. *J Hydrology*, 480: 46-57
- 15- Rostami, A. Sadraddini, AA., Nazemi, AH and Delir Hasanniya. 2013. Investigation of infiltration in center pivot irrigation system. *Life Science Journal*. Vol. 10(1):
- 16- Shiri, J., Sadraddini, AA., Nazemi, AH. Kisi, O. and Marti, Pau. 2013. Evaluation of different data management scenarios for estimating daily reference evaporation. *Hydrology Research Journal*. On line 18 February 2013- ISSN Print:0029-1277.
- 17- Karimi, S., Sadraddini, AA., Nazemi, AH., Delear Hasannia, R. and kisi O. 2013. Evaluation of genetic programming for modeling solute breakthrough curve through the temporal data assignment scenarios. *Journal of Civil Engineering and Urbanism*. Vol. 3 (3): 104-106.
- 18- Karimi, S., Nazemi, AH., Sadraddini, AA. And Delear Hasannia, R. 2013. Coparison of numerical and analytical solution for breakthrough curve modeling. *Journal of Civil Engineering and Urbanism*. Vol. 3(2): 77-81.
- 19- Shiri, J., Sadraddini, AA., Nazemi, AH. Kisi, O., Landeras, G., Fakheri-Fard, A., and Marti, Pau., 2013. Generalizability of Gene Programming-based approaches for estimating daily reference evapotranspiration in coastal stations of Iran, *Journal of Hydrology*, No 508: 11-1.
- 20- Sadraddini, A.A., Nazemi, A.H., Majnooni- Heris, A. 2013. Quantufying the effects of advection phenomenon on canola evapotranspiration in East Azarbijan region, IRAN. *J. Ege Univ. Faculty of Agricuture*, Vol 1(1): 145-139
- 21- Nazemi, A.H., Sadraddini, A.A., Majnooni- Heris, A., Tuzel, I. H. 2013 Effects of water stress on the yield and water use efficiency of canola. *J. Ege Univ. Faculty of Agricuture*, Vol 1(1): 127-121.
- 22- Shiri, J., Nazemi, AH., Sadraddini, A.A., Landeras, G., Kisi, O., Fakheri Fard, A., Marti P. 2014. Comparison of heuristic and empirical approaches for estimating reference evapotranspiration from limited inputs in Iran. *Computers and Electronics in Agriculture* 108: 230-241.
- 23- Sayyadi, H., Nazemi, AH. Sadraddini, A.A., and Delirhasannia, R. 2014 Characterising droplets and precipitation profiles of a fixed spray- plate sprinkler. *Biosystem Engineering*, No: 119.
- 24- Majnooni-Heris, A., Najafi, V., Bahadori, H., and Sadraddini.A.A. 2014. Evaluation and calibration of sunshine based solar radiation models for Tabriz, Iran.*International Journal of Biosciences*. ISSN: 222-5234, 2220-6655. Vol 4(12): 27- 34.
- 25- Seraj Rezaei, Y., Delirhasannia, R., Sadraddini A.A., Fakheri-Frd A. 2014. Comparative Analysis of some commenly used impact sprinklers performances in dofferent wind

- condition and sprinkler arrangements. Journal of Applied Biological Science. ISSN: 1307-1130. Vol 8(1): 38-44.
- 26- Samadianfard, S., Nazemi, AH., and Sadraddini, AA., 2014. M5 Model Tree and Gen Expression Programming based modeling of sandy soil water movement under surface drip. TI Agricultural science Developments. Iss: 2306- 7527. Vol 3(5): 178-190.
 - 27- Ahmadifar, V., Delirhasannia, R., Nazemi, AH., Sadraddini, A.A. 2015. Modeling drop Size emitted from irrigation impact sprinklers using Gene Expression Programming and Multiple Linear and Nonlinear Regression Methods. Journal of Applied Biological Science. ISSN: 1307-1130. Vol 9(2) 50- 57.
 - 28- Shiri, J., Marti, Pau., Nazemi, AH., Sadraddini, AA., Kisi, O., Landaras, G. and Fakheri Fard, A. 2015. Local vs. external training of neuro- fuzzy and neural networks models for estimating reference evapotranspiration assessed through K-fold testing. Hydrology Research, No. 46(1): 72-88.
 - 29- Shiri, J., Sadraddini, AA., Nazemi, AH. Marti, Pau., Fakheri-Fard, A., Kisi, O. and Landaras, G. 2015. Independent testing for assessing the calibration of Hargreaves- Samani equation: New heuristic alternatives for Iran. Computers and Electronics in Agriculture. Vol 117: 70-80.

Farsi papers (about 70 papers) aren't presentend here and could be sent upon request for any applicant.

Papers Presented at International Scientific Assemblies:

- 1- Nishabouri, M.R, Esfandiari, S., Farsadizadek, D. and Sadraddini A.A. 2003. Effects of traveling gun sprinkler irrigation on curst formation and infiltration. Proc. Int. soil tillage reseach organization 16th triennial conf., 14-18 July, Australia: 840-846.
- 2- Nazemi, A.H., Hosseinzadeh Dalir, A. and Sadraddini, A.A. 2006. Water Resources Management: The Case of the Middle East. International Symposium on Drylands Ecology and Human Security (ISDEHS), Dubai, December 4-7.
- 3- Nazemi, A.H., Sadraddini, A.A., and Hosseinzadeh Dalir. A. 2006. Sustainable Agricultural Management of Dry Regions. International Symposium on Drylands Ecology and Human Security (ISDEHS), Dubai, December 4-7.
- 4- Besharat, S., Nazemi, A. H., and Sadraddini, A.A. 2008. Numerical solution of water flow in soil with root uptake. International Groundwater Symposium, June 18-20, Istanbul, Turkey.
- 5- Besharat, S., Nazemi, A. H., and Sadraddini, A.A. 2008. Simulating Soil Moisture by Integrating Root Water Uptake into Water Flow Model. Conference of International Research on Food, security, Natural Resources, Management and Rural Development, October 7-9, Torpanteg, Germany.
- 6- Besharat, S., Nazemi, A. H., and Sadraddini, A.A. 2009. Modeling Soil Water Movement with Effect of Root Water Uptake in unsaturated Soil. Conference of International Research on Food, security, Natural Resources, Management and Rural Development, October 6-8, Hamburge, Germany.
- 7- Raoof, M., Sadraddini, A.A. and Nazemi, A. H. 2009. Estimating Saturated and Unsaturated Hydraulic Conductivity in Steady State Conditions in Sloping lands. International Agricultural Engineering Conference, December 7-10, Bangkok, Thailand.

- 8- Shiri, J., Sadraddini, A.A. and Nazemi, A. H. 2010. Suspended Sediment Modeling Using Adaptive Fuzzy Inference System. 8th International River Engineering Conference, Shahid Chamran University, 26-28 Jan. Ahwaz.
- 9- Samadianfar, S., Sadraddini A.A., Trajkovic, S. 2011. Estimating Reference Evapotranspiration in a case of Limited Weather Data Using Genetic Programming. International Conference of Innovation as a Function of Engineering Development, University of Nis, Serbia.
- 10- Besharat, S., Nazemi, A. H., and Sadraddini, A.A. 2010. Water Flow in Vadose Zone with Root Uptake: from Measurements and Models to Optimal Irrigation Notification. Conference of International Research on Food, security, Natural Resources, Management and Rural Development, September 14-16, Zurich, Switzerland.
- 11- Keshavarzi, M., Rezavirdinejad, V., Nazemi, A. H., Sadraddini, A.A. and Ababaie, B. 2012. Experimental study of the performance of some models in time domain reflection measuring soil moisture estimation. 8th International soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management. May 15- 17. Izmir, Turkey.
- 12- Keshavarzi, M., Ojaghlou, H., Nazemi, A. H., Sadraddini, A.A. and Ababaie, B. 2012. Effect of soil texture and organic matter on the accuracy of time domain reflectometry method for estimating soil moisture content. 8th International soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management. May 15- 17. Izmir, Turkey.
- 13- Sadraddini, A.A., Nazemi, A.H., Majnooni- Heris, A. 2012. Quantifying the effects of advection phenomenon on canola evapotranspiration in East Azarbijan region, IRAN. 23th International Scientific Expert Agriculture and Food Industry, 26-29 Sept. Izmir, TURKEY.
- 14- Nazemi, A.H., Sadraddini, A.A., Majnooni- Heris, A., Tuzel, I. H. 2012. Effects of water stress on the yield and water use efficiency of canola. 23th International Scientific Expert Agriculture and Food Industry, 26-29 Sept. Izmir, TURKEY.
- 15- Sharifi. S.S., Delirhasannia, R., Nourani, Vahid., Sadraddini, A.A., Ghorbani, A. 2013. Using artificial neural network (ANNS) and adaptive Neuro- fuzzy inference system (ANFIS) for modeling and sensitivity analysis of effective rainfall. Recent Advances in Continuum Mechanics, Hydrology and Ecology. ISBN. 978-950-474-313-1. Spain.

Farsi papers of national assemblies(about 45 papers) **aren't presentend here and could be sent upon request for any applicant.**

Editorship/ Membership and Service to Professional Associations:

- 2006- present Head of East Azarbaijan Regional Committee on Irrigation & Drainage (Regional Branch of ICID)
- 2011 – present Editor of Water and Soil Science, ISSN: 2008- 5133 ,Faculty of Agriculture, University of Tabriz, Iran.
- 2010- Present Member of the International Society for Porous Media (Interpore)
- April 2015- present Head of Irrigation and Water Resources Committee in East Azerbaijan Province (a branch of Urmia Lake Restoration Authorities, Sharif University of Technology, Iran)