

In the name of God
Curriculum Vitae
Farzin Nasiri Saleh

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Personal Information

Surname: NASIRI SALEH
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Birth Date & Place: December 29, 1966; Ardabil, Iran
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Educational Records

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| 1985 | High School Diploma in Mathematics and Physics,
Andarzgoo High school, Ardabil, Iran |
| 1991 | B.Sc. Degree in Civil Engineering,
The University of Tehran, Tehran, Iran |
| 1994 | M.Sc. Degree in Civil Engineering (Hydraulic Structures),
Tarbiat Modares University, Tehran, Iran |
| 2007 | Ph.D. Degree in Civil Engineering (Hydrology)
The University of Tokyo, Tokyo, Japan |

Academic Records

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| 1995 - 2007 | Academic member of Hydraulic Structures Group,
Engineering Faculty, Tarbiat Modares University, Tehran, Iran |
| 2007 - Present | Assistant Professor of Hysraulic Engineering Group,
Civil and Environmental Eng. Faculty, Tarbiat Modares University, Tehran,
Iran |

Executive Responsibilities

- 1997 - 2002 Director of Administrative Affairs, Tarbiat Modares University
- 2008 - 2018 Deputy of Researching Affairs, Water Engineering Research Institute, Tarbiat Modares University
- 2009 - 2011 Secretary and Member of Board of Directors of Iranian Hydraulic Association
- 2010 Executive Secretary of 9th Iranian Hydraulic Conference
- 2010 - 2014 Head of Hydraulic Engineering Group, Civil & Environmental Engineering Faculty, Tarbiat Modares University
- 2011 - 2013 Head of Board of Directors of Iranian Hydraulic Association
- 2011 - 2017 Deputy of Teaching Affairs, Civil & Environmental Engineering Faculty, Tarbiat Modares University
- 2014 - 2018 Director of Administrative Affairs, Tarbiat Modares University
- 2018 - Present Head of Hydraulic Engineering Group, Civil & Environmental Engineering Faculty, Tarbiat Modares University

Academic Courses Presented

1. Advanced Engineering Hydrology
2. Water Resources Systems Analysis (I)
3. Advanced Groundwater

Research Interests

1. Isotope Hydrology
2. Socio Hydrology
3. Developing Hydrological Models
4. Experimental And Numerical modeling of Erosion

Selected Research Plans

- 2011 Snowmelt runoff simulation using HSPF model and comparing it with SWAT and SRM models (Case study: Talar Basin in Mazandaran, Iran), Supported by Iran Water Resources Management Co., Ministry of Energy, Iran.

2011 Manual of runoff simulation using HSPF model, Supported by Iran Water Resources Management Co., Ministry of Energy, Iran.

Book (Translated in Persian)

2008 Turbulence Models and Their Application in Hydraulics (Written by Wolfgang Rodi), Translated by Salehi Neyshabouri, Seyyed Ali Akbar and **Nasiri Saleh, Farzin**; Published by Water Engineering Research Institute, Tarbiat Modares University, Tehran, Iran, 2008

M.Sc. Supervision (At Tarbiat Modares University)

1. Alavinia, Morteza; 2009; Evaluation of applicability of HSPF model to estimate sediment and its comparison with SWAT model (Case Study: Abaru Watershed, Iran)
2. Jafari Manesh, Ahad; 2009; Evaluation of applicability of DBH model to simulate runoff (Case Study: Ekbatan Dam Watershed, Iran)
3. Nazari, Mohammad Amin; 2010; snow-melt runoff simulation by using of HSPF model, and compare it with SWAT and SRM models (Case study: Mountainous-Forested Talar Basins, Iran)
4. Kazemi Khaledi, Hossein; 2010; Estimate sediment with WEPP Model and its comparison with SWAT Model (Case Study: Emameh Watershed, Iran)
5. Javan, Kazem; 2010; Study on the effect of Climate Change on runoff, using HSPF model and PRECIS model (case study: Gharehsoo River Watersheds, Iran)
6. Khavari, Mojtaba; 2011; Hydrological Modeling of Qareh Soo River Watershed in Ardebil Province Considering Effect of Urban Areas Expanding
7. Zaerpour, Arash; 2011; The Evapotranspiration Simulation Using DBH model in Gorganrood- Gharehsoo Watershed
8. Mirjafari Banadkooki, Fatemeh; 2012; Simulations of snow cover area (case study: Gharehsoo River basin, Iran)
9. Mosaffa, Maryam; 2012; Using isotope tracers for determining hydraulic conductivity of the aquifer in one of the sub- basins of Damavand basin
10. Kouchakzadeh, Mohammad Hossein, 2012; Evaluation of integrated SWAT-MODFLOW model to improve boundary condition in groundwater simulation (Case Study: Silakhor Aquifer in Lorestan province)
11. Dehghanian, Naser, 2013; Study on application of rainfall- runoff model (BTOPMC) in ungauged or poor- gauged basins in north of Iran

12. Afkhami, Maryam; 2013; Evaluation the Application of Distributed and Lumped Hydrologic Models in Simulation of Water Balance (case study: Gharasoo river basin- Ardabil)
13. Jafarpour, Mohammad; 2015; Experimental study of factors affecting temporal changes of sediment sorting in interrill erosion processes
14. Davoodi Hamraz, Soheila; 2016; Numerical Simulation of Wind Flow Field over a Watershed
15. Mozaffari, Ehsan; 2016; An Investigation of runoff hydraulic characteristics on sediment transport mechanism caused by interrill erosion
16. Jalili, Nasim; 2016; 2D modeling of contaminant transport in porous media with OpenFOAM
17. Abbasirad, Abolfazl; 2017; Application of Environmental Isotopes for Determining the Source of Groundwater (Nakhlak Region) and Operations Management of It
18. Raisi Dehkordi, Jalal; 2018; Experimental study of effect of perlite to reduction the amount of evaporation from lake water

Ph.D. Supervision (At Tarbiat Modares University)

1. Alavinia, Morteza; 2016; Process Analysis of the Effects of intra-storm variations in rainfall intensity on interrill erosion

Ph.D. Co-Supervision (At Tarbiat Modares University)

1. Ghorbani Vaghei, Hojjat; 2011; Hydraulic Characteristics and Water Distribution Modeling of Clay Pots; (Supervised by Prof. Bahrami, Hossein Ali)

Journal Papers (Selected)

1. Salehi Neyshabouri, Ali Akbar and **Nasiri Saleh, Farzin**; 1997; “Numerical simulation of curved submerged jets using turbulence models”; International J. of Engineering sciences (in Persian), Vol. 8, Issue 2; 1997, pp. 1-15
2. Bahrami, Hosein Ali; Ghorbani Vaghei, Hojjat; Alizadeh, Parvin; **Nasiri Saleh, Farzin** and Mahallati, Zana; “Fuzzy Modeling of Soil Water Distribution Using Buried Porous Clay Capsule Irrigation from a Subsurface Point Source”; SENSOR LETTERS; Vol. 8; No.1; 2010, pp. 75-80(6)
3. Ghorbani Vaghei, Hojjat; Bahrami, Hosein Ali; Alizadeh, Parvin; **Nasiri Saleh, Farzin** “Hydraulic characteristics of porous clay capsules and their effects on soil

- water distribution”; Iranian Water Researches Journal (in Persian), Vol. 5 (Fall and Winter); 2011
4. Javan, Kazem; Taheri Shahraiyini, Hamid; **Nasiri Saleh, Farzin**; Habibi Nokhandan, Majid; “A new method for the forecasting of Spatial Distribution of Precipitation and Temperature in Gharehsoo River Watershed”; Journal of Climate Research (in Persian), 2 (5); 2012, pp. 117-130
 5. Alavinia, Morteza; **Nasiri Saleh, Farzin**; “Evaluation of Applicability of HSPF Model to Estimate Runoff and Sediment in Abaru Watershed in Hamedan Province, Iran”; Modares Civil Engineering journal (Abstract in English), Vol. 13, Issue 4; 2013, pp. 61-70
 6. Javan, Kazem; **Nasiri Saleh, Farzin** and Taheri Shahraiyini, Hamid; “The Influences of Climate Change on the Runoff of Gharehsoo River Watershed”; American Journal of Climate Change; Vol. 2; No.4; 2013
 7. Kouchakzadeh, Mohammad Hossein; **Nasiri Saleh, Farzin**; “Evaluation of the efficiency of using surface water simulation results to improve the accuracy of groundwater simulation”; Modares Civil Engineering journal (Abstract in English), Vol. 14, Issue 3; 2014, pp. 129-138.
 8. Dehghani, Majid; Saghafian, Bahram; **Nasiri Saleh, Farzin**; Farokhnia, Ashkan and Noori, Roohollah; “Uncertainty analysis of streamflow drought forecast using artificial neural networks and Monte-Carlo simulation”; International Journal of Climatology; Vol. 34, 2014, pp. 1169 – 1180
 9. Afkhami, Maryam; **Nasiri Saleh, Farzin**; “Evaluation of the Application Distributed and Lumped Hydrologic Models in Simulation of Mean Daily Flow Discharge in Gharasoo river basin in Ardebil (Iran); Modares Civil Engineering journal (Abstract in English), Vol. 15, Supplementary Issue; 2015, pp. 31-40
 10. Mosaffa, Maryam; **Nasiri Saleh, Farzin** and Khalaj Amirhosseini, Yousef; “Comparison of Relationship between the Concentrations of Water Isotopes in Precipitation in the Cities of Tehran (Iran) and New Delhi (India)”; Management of Natural Resources in a Changing Environment; 2015, pp. 29-38
 11. Ghorbani Vaghei, Hojjat; Bahrami, Hosein Ali; **Nasiri Saleh, Farzin**; “Dimensional analysis of soil wetting pattern from porous clay capsules”; Iranian Water Researches Journal (Abstract in English), Vol. 10, Issue 1, 2016, pp. 77-85
 12. Alavinia, Morteza; , **Nasiri Saleh, Farzin**; Asadi, Hossain; “Effects of variabl rainfall intensity events on interrill erosion” Modares Civil Engineering journal (Abstract in English), Vol. 17, Issue 2; 2017, pp. 203-213
 13. Alavinia, Morteza; , **Nasiri Saleh, Farzin**; Asadi, Hossain; “Effects of rainfall patterns on runoff and rainfall-induced erosion”; International Journal of Sediment Research; Vol. 34, Issue 3, 2019, pp. 270-278

Conference Papers (Selected)

1. **Nasiri Saleh, Farzin;** Kanae, Shinjiro and Oki, Taikan; “Including Elevation into Spatial Interpolation of Rainfall by Using 3D-IDW Method”; 19th Annual Conference Japan Society of Hydrology and Water Resources; Japan; July 2006.
2. **Nasiri Saleh, Farzin;** Miyazaki, Shin; Yoshimura, Kei; Kanae, Shinjiro and Oki, Taikan; “Applicability of Down Scaled Global Data Set for Ardebil Area in Iran”; 3rd APHW Conference; Bangkok; Thailand; September 2006.
3. Ghorbani Vaghei, Hojjat; Bahrami, Hosein Ali; Alizadeh, Parvin; **Nasiri Saleh, Farzin** and Mahallati Zana; “Improving the physical and hydraulic properties of porous clay capsules from A subsurface point source”; Twin International conference on geotechnical and Geo - Environmental Engineering cum 7th ground improvement techniques; Seoul; South Korea; June 2010.
4. Nazari, Mohammad Amin; **Nasiri Saleh, Farzin** and Chavoshian, Seyyed Ali; “Flood forecasting and river flow modeling in mountainous basin with significant contribution of snowmelt runoff”; 5th International Conference on Flood Management (ICFM5); Tokyo; Japan; September 2011.
5. Khalaj, Amir Hosseini; **Nasiri Saleh, Farzin;** Abbasirad, Abolfazl and Faridani, F.; “Water resources management using Isotope techniques (Case study: Nakhlak-Anarak Mine, Iran)”; International Symposium on Isotope Hydrology: Advancing the understanding of water cycle processes; Vienna, Austria; 20 – 24 May 2019