



Dr. Mojtaba Noury

Research Manager,

Iran water resources management company, ministry of Energy

Address: Tehran, Palestine Avenue North, down from Zartosht, No. 517, Building
Iran Water Resources Management

Phone: +98-21-43680631

Fax +98-21-88901850

Email: mojtabanoury@gmail.com

Phone: +989149382757

Education

- **Doctor of Philosophy (Ph.D.): Water Resources Engineering | (2008 – 2012)**
Science and Research Branch, Azad University of Tehran, Iran
Simulation of Water level fluctuation using support vector machine and neural wavelet network.
- **Master of Science (M.Sc.): Hydraulic Structures | (2004 – 2006)**
University of Kerman, Iran
Rainfall runoff modeling using artificial neural network and wavelet transform.
- **Bachelor of Science (B.Sc.): Irrigation Engineering | (2000 – 2004)**
University of Urmia, Iran.

Research Areas

- Hydro-informatics,
- Surface-water Hydrology,
- Rainfall-Runoff Modeling,
- Urban Hydrology,
- Stochastic Hydrology,
- Artificial Neural Networks,
- Wavelet Analysis and Signal Processing,
- Time Series Prediction and Watershed Simulation,
- Project management (PMBOK),
- Value engineering,
- System dynamic.

EMPLOYMENTS

- **Techer**
Islamic Azad University of Malard | (2013–now)
- **Secretary of the Research Committee**
WaterManagement Base study office | (2012–now)
Alborz Regional Water Co.
- **Young consultant**
Young consultant of Managing Director | (2012–now)
Alborz Regional WaterCompany
- **Project Manager**
Study of drinking water supply for Karaj city and organization of river wastewater | (2012-now)
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- **Project Director**
Urmia lake Watershed Problems, Phase Studies | (2010 – 2011)
Ministry of Energy, Iran.
- **Project Director**
Executive Phase GhaleChay Pipe line Project | (2011- 2012).
East Azerbaijan Regional Water Company, Iran.
- **PMO manager**

Tehran Urban Drainage and runoff Project | (2012 - 2013)

Ashenab Consulting Engineers.

- Supervisor
Iranian Science and Water Resources Scientific Association | (2013 - now)
*
- Technical expert
Zarrinehroud irrigation and drainage projects | (2008)
Mahab Qods Consulting Engineers
- Design expert
Zab project | (2008 - 2009)
West Azerbaijan Regional Water Authority
- Research expert
Water Research Institute | (2009)
Ministry of Energy, Iran

Teaching Experiences

- Hydraulic, fluid mechanics and Hydrology (for B.Sc. student) | 2013- now)
Islamic azad university, Malard Branch
- Fluid mechanics (for B.Sc. student) | 2012
Shahid Beheshti University of Tehran
- Modeling in engineering (for B.Sc. student) | 2012
Shahid Beheshti University of Tehran
- Applied Hydrology (for B.Sc. student) | 2006, 2007, 2008, 2009
**Urmia Science and Technology University
University of Kerman**
- Water Resources Management (for B.Sc. student) | 2008, 2009, 2010, 2011
**Urmia Science and Technology University
University of Kerman**
- Open Channel Hydraulics (for B.Sc. student) | 2006, 2009, 2010, 2011
**Urmia Science and Technology University
University of Kerman**

RESEARCH PROJECTS

- **Noury, M.**, Khalilzadeh, M., NouriBalow, M. | 2012
Ghazan river rainfall runoff simulation using wave-net
Water Resource Management Company of Iran
- **Noury, M.**, Khalilzadeh, M., Nouribalow, M., Habibzadeh, B., Zenalzadeh, K. | 2012
Application of ANN and Wavelet in monthly river flow modeling, case study: Nazlo river
West Azarbaijan regional water company
- Rahnama, M.B, **Noury, M.**, Kazemi, F. | 2008
Rafsanjan Ground water level simulation,
Kerman regional water company
- Dosti Rezayi, M., **Noury, M.** | 2012
Technical investigation of Zarinerood irrigation and drainage network
West Azarbaijan regional water company
- Bakhtiyari, Sh., **Noury, M.** | 2009
Flood prediction model determine, case study: Jiroft Dam
Kerman, Jahad-Daneshgahi, Iran

- **Noury, M.**, Riahi, M., Khalilzadeh, m., Fahmi, H. | 2012
Increased accuracy of estimated flood with determining fuzzy regression coefficients in the Halilrud basin rainfall runoff process
Water Resource Management Company of Iran.
- Riahi, M., **Noury, M.**, Khalilzadeh, M. | 2011
Investigation of hydrological balance in Urmia lake water level fluctuation in climate change
Water Resource Management Company of Iran.

PUBLICATIONS

- Atabak Jafari, Maryam Khalilzadeh Poshtegal, **Mojtaba Noury**, 2016,
River Quality and Quantity Modeling Using Neural Wavelet Network, *Technical Journal of Engineering and Applied Sciences*.
Tech J Engin & App Sci., 6 (2): 71-81, 2016.
- **Noury, M.**, Sedghi, H., Babazedeh, H., & Fahmi, H. | 2014
Urmia lake water level fluctuation hydro informatics modeling using support vector machine and conjunction of wavelet and neural network.
Water Resources Journal, 41(3), 261-269.
- **Noury, M.***, Sedghi ,H., Babazedeh,H., Fahmi,H. | 2012
Simulation of Water Level Fluctuation Using Support Vector Machine, MLP Neural Network and Neural Wavelet Network
Advances in Environmental Biology **.
- Rahnama M.B., **Noury, M.** | 2008
Developing of Halil river rainfall- runoff model, using conjunction of wavelet transform and artificial neural networks.
Research Journal of Environmental Sciences.
- **Noury, M.**, Khatami, M., Moeti, M.T., Barani, G.A. | 2010
Rainfall–Runoff Modeling Using Fuzzy Methodology
Journal of applied Sciences.
- Goharnejad, H., **Noury, M.**, Norzad, A., Shamsayi, A. | 2010
The effect of clay blanket thickness to prevent seepage in Dam Reservoir.
Research Journal of Environmental Sciences.
- Jafari, A., **Noury, M.**, Mivechi, H. | 2010
Consideration of distortion of prismatic sections and a comparison of tensions and transformation of science in different structure: case study by numerical method limited components,
International journal of food, agriculture & environment – JFAE, vol.8.
- Mohammadi, M.A., Nabati, M., **Noury, M.** | 2010
Maku dam monitoring by comparison of results of instrumentation & computer software.
International journal of food, agriculture & environment – JFAE, vol. 8 (3 & 4)
- Rahnama, M. B., **Noury, M.** | 2006
Developing of Halil river rainfall-runoff model, using conjunction of wavelet transform and artificial neural networks
Soil and water Conf., Adana, Turkey.
- **Noury, M.**, Mirhoseini, s., Zeinazadeh, K. | 2008
New pattern rainfall-runoff modeling,
Geology journal, TarbiyatMoallem University of Tehran Iran.
- **Noury, M.**, Abghari, H. | 2009
Reservoir Dam Inflow modeling using Wavelet-Base Neural Network and Multilayer Perceptron Network
ICWR 2009 International Conference on Water Resources. 16-18 August 2009, Shahrood, Iran
- Riahi, M., **Noury, M.**, Khalilzadeh, M. | 2011
Dam Inflow Modeling using Wavelet-Base Neural Network and Multilayer Perceptron Network
ASCE, IPWE 2011, Singapore.
- **Noury, M.**, Khalilzadeh, M., Riahi, M. | 2011

Rainfall– Runoff Modeling Using Fuzzy Methodology

ASCE, IPWE 2011, Singapore.

- **Noury, M.**, Rahnama, M.B | 2005
Rafsanjan Ground water level simulation
Qanat international conference, Kerman, Iran (in Persian)
- **Noury, M.**, Rahnama, M. B. | 2007
Rainfall runoff modeling using artificial neural network and wavelet,
7th civil international congress, Tehran, Iran.
- Mazlounzadeh, S.M., Alavi, S., **Noury, M.** | 2007
Simulation of beat seed corruption in Jon Dear combine 399 using artificial neural network
4th mechanization congress, Tabriz Iran (in Persian)
- Hajipour, A., **Noury, M.** | 2009
Time management influence on reduction hydraulic structures executing cost
4th international project management conference, Tehran, Iran.
- **Noury, M.**, Rajabi, M., Ashrafi, M. | 2009
Using AHP IN Effective parameters successful dam performance
4th international project management conference, Tehran, Iran.
- Abghari, H., **Noury, M.** | 2006
Application of GIS and Hydraulic Model in Optimum Management of Floodplain.
7th International Conference of River Engineering, Ahvaz, Iran. (In Persian)
- **Noury, M.** Abghari, H, Fakherifard, A. | 2007
Rainfall- Runoff Simulation Using RBF Networks Base on Probabilistic Neural Network Classification
3th National Conference on Watershed and Water Resources Management, Kerman, Iran.(In Persian).
- Nourjoo, A. Dolati, H, Abghari, H and **Noury, M.** | 2008
Effect of Low Drop Irrigation on three Grape Species
3th National Conference on Water Resource Management, Tabriz, Iran (In Persian).
- Abghari, H, Van de Giesen, N, Mahdavi, M, Fakherifard, A and **Noury, M.** | 2008
Hydraulic modeling and GIS analysis for flood-hazard risk management for the Jajrood River, Iran
Geophysical Research Abstracts, Vol. 10, Vienna, Austria.
- Abghari, H, van de Giesen, N and **Noury, M.** | 2009
Investigation of Shannon and PolyWog Wavelet Neural Networks in Monthly River Flow Modeling
European Geosciences Union (EGU), Geophysical Research Abstracts, Vol. 11, Vienna, Austria.
- Abghari, H, Taghipour, S, **Noury, M.** and Nourjoo, A. | 2009
Comparison of New Hybrid Radial Wavelet-Neural Networks and Multi-Layer Perceptron in Flood Prediction,
Integrated Water Productivity Conference, Kerman, Iran. (In Persian)
- Abghari, H, **Noury, M.** and Nourjoo, A. | 2009
Flood prone determination as a Non-structural approach for Floodplain Management
Integrated Water Productivity Conference, Kerman, Iran (In Persian)
- Abghari, H, **Noury, M.** | 2009
Training Patterns Classifications Using GRNN and PNN for RBF Modeling of River Flow
ICWR 2009 International Conference on Water Resources. 16-18 August 2009 Shahrood, Iran.
- Abghari, H, **Noury, M.** | 2010
Rainfall–Runoff Modeling Using GRNN-RBFNs and Fuzzy Regression
8th International Conference on River Engineering. Ahvaz, Iran.
- **Noury, M.**, Fahmi., H., Rahnama, M.B. | 2011
Rainfall runoff modeling using Radial and classic neural wavelet network
Iranian journal of water resource management
- **Noury, M.**, khalilzadeh, M, mirbagheri, S.A., Pakmanesh, M., Memarianfard, M. | 2014
Water Level Elevation Variations Modeling Using Support Vector Machine and Neural Network
Advances in Environmental Biology
- **Noury, M.**, | 2008
Comparison between the efficiency of artificial neural network and Wavelet in prediction of barely breakage

rate

Journal of Aburiahian Irrigation and Drainage (in Persian)

- Parsa, B., **Noury, M.**, Shahbazi, A., Ghasemzadeh, F. | 2014
Integrated water resource management, an approach for sustainability development(case study: Alborz province)
5th GIAN con, Karaj, Iran
- Ghasemzadeh, F., Parsa, B., **Noury, M.**, | 2015
Numerical Study of Overflow Capacity of Spill Ways (with an Emphasis on PK-Weirs)
E-proceedings of the 36th IAHR World Congress
- Fahimifar, A., Ghadami, H., Karimi, M.H., **Noury, M.**, | 2013
Elasto-plastic model to analyze of undergroundwater Tunnels with regard to volume of leakage forces
10th National Conference of the tunnel, Tehran, Iran (in Persian)
- Fahimifar, A., Ghadami, H., **Noury, M.**, Ahmadvand, M. | 2013
The Investigation of Different Models of Percolation and Pore Water Pressure in The Dig Tunnel Below Groundwater Level
The First National Conference on Geotechnical Engineering, Iran
- Parsa, B., Ghasemzadeh, F., Shahbaz Dashti, R., **Noury, M.**, | 2014
Challenges in water Resources and Consumption Management at Alborz Province
Conference of water Resources and Consumption Management based on the sustainable development of Central Alborz region; challenges, strategies and new approaches, Tehran, Iran (in Persian)
- Parsa, B., **Noury, M.**, karimi, M.H., | 2014
Organizing the Introduced Wastewater to the Karaj River in order to Protect of Drinking Water Quality and the Use of Unconventional Waters
Conference of water Resources and Consumption Management based on the sustainable development of Central Alborz region; challenges, strategies and new approaches, Tehran, Iran (in Persian)
- Rashandeh, S., **Noury, M.**, | 2012
Integrated Water Resource Management using AHP, TOPSIS, SAW
International Conference of Urmia lake, Urmia, Iran
- Khalesidoust, M., Sasani, H., **Noury, M.**, | 2012
The investigation of the performance of hospital wastewater treatment with consolidated sticking growth (Case sudy: Fajr hospital refinery, Tehran)
International Conference on Water and Wastewater (in Persian)
- Sadrnejad, S.,A., Khalilzadeh, M., **Noury, M.** | 2012
The comparison of numerical method with Wavelet-Artificial neural network in the Distribution of river pollution
9th International Conference of River Engineering, Ahvaz, Iran (in Persian)
- **Noury, M.**, Khalilzadeh, M., Zinalzadeh. K. | 2012
The comparison of SVM and ANN model in the evaluation of Urmia lake water level fluctuation
9th International Conference of River Engineering, Ahvaz, Iran (in Persian)
- **Noury, M.**, | 2005
Groundwater Simulation and the Estimation of Rafsanjan plain subsidence
International Conference of Qanat, Iran (in Persian)
- **Noury, M.**, | 2006
Rainfall-runoff modeling using artificial neural network and wavelet
7th International Congress of Civil Engineering, Tehran, Iran (in Persian)
- **Noury, M.**, | 2006
barely breakage rate in John Deer 399 combine using artificial neural network
4th International Congress of Mechanization, Tabriz, Iran (in Persian)
- **Noury, M.**, | 2008
The investigation of Time Management Role in Reducing of Marine Structures Construction Costs
4th International Conference on Project Control, Tehran, iran (in Persian)
- **Noury, M.**, | 2008
The success factors in the implementation of dam using AHP
4th International Conference on Project Control, Tehran, iran (in Persian)
- Ezzati, M., shokohi, A.R., **Noury, M.**, | 2015

The evaluation of climate change effect on snow cover area

5th regional conference of climate change, Tehran, Iran (in Persian)

- **Noury, M.**, Ebrahimi, P., Shahbaz dashti, R., Parsa, B., | 2015
The use of Hydraulic Models to simulate Neck River Flood
14th Conference of Hydraulic, Zahedan, Iran (in Persian)
- Fathi golabi, M., Hasanshahi, H., **Noury, M.**, | 2015
The disposal site selection of Urban waste using multi-criteria decision in GIS with emphasis on the protection of water resources against pollution
3th National Conference on Application of GIS in the management of water and power industries, Sari, Iran (in Persian)
- **Noury, M.**, Ebrahimi, P., Shahbaz dashti, R., Parsa, B., | 2015
The role of indigenous knowledge in sustainable development of water resources (case study: Ghasab Zalkan village, Babol city)
1st National Conference on Society, Natural Resources, Water and Environment, Challenges and Solutions, Karaj, iran (in Persian)
- **Noury, M.**, Ebrahimi, P., Naghdi, S., Parsa, B., | 2015
The forming of rural society fabric Based on the management and use of water resources
1st National Conference on Society, Natural Resources, Water and Environment, Challenges and Solutions, Karaj, iran (in Persian)
- **Noury, M** | 2010
Flood prediction using radial artificial neural network-wavelet model and Fuzzy regression
9th International Conference of River Engineering, Ahvaz, Iran (in Persian)
- **Noury, M** | 2004
Hydraulic models Construction and operation of Qarah guzlu and related sections
National Conference on Water and Soil Resources, shiraz, Iran (in Persian)
- **Noury, M** | 2005
The simulation of Halil Roud River flow using wavelet-artificial neural network model
5th National Conference on hydraulic, kerman, Iran (in Persian)
- **Noury, M** | 2005
The Comparison of wavelet-artificial neural network with artificial neural network model to simulation of Kazan River
5th National Conference on hydraulic, kerman, Iran (in Persian)
- **Noury, M** | 2005
The simulation of sediment leaching process in dam reservoir using the finite difference method
5th National Conference on hydraulic, kerman, Iran (in Persian)
- **Noury, M** | 2006
The evaluation of artificial neural networks to the parametric estimation of water Progressive Front in tape irrigation
5th National Conference on hydraulic, kerman, Iran (in Persian)
- **Noury, M** | 2007
Rainfall-runoff simulation using radial basis function (RBF) neural networks based on Classification of probabilistic neural network (PNN)
3th National Conference on watershed management
- **Noury, M** | 2010
The comparison of new radial and Multilayer Perceptron wavelet-neural network hybrid model in flood forecasting
1st National Conference on Water Resources Management, Kerman, Iran
- Saberi Nasr, A., **Noury, M.**, Parsa, B., Naghdi, S., Shahbaz Dashti, R. | 2015
The evaluation of groundwater quality in Hashtgerd plain using groundwater quality index (GQI)
1st National Conference of Water Resources Quality and Sustainable Development
- Saberi Nasr, A., **Noury, M.**, Parsa, B., Shahbaz Dashti, R., Naghdi, S. | 2015
The investigation of Karaj river quality and it branches in Alborz province
1st National Conference of Water Resources Quality and Sustainable Development

EDITORSHIPS & REFEREESHIPS

- Reviewer in Conferences
Urmia lake international conference | 2012
1st Regional Conference of Lake Urmia | 2010
1st Iranian Conference on Time management, Iran | 2010
Agriculture Soil and Water Conference | 2010
1th Seminar on time management in construction projects | 2010
- Reviewer in Journals
Journal of Environmental and Engineering Geoscience
Journal of Environmental Health Science and Engineering
Journal of Water Management in field
Journal of Water Resources Management

MEMBERSHIPS

- American Society of Civil Engineering (ASCE)
- International Association OF Hydrological Sciences
- Iranian Hydraulic Association (IHA)
- Hydraulic Structures Research Committee of West Azerbaijan Regional Water Company
- Iranian Water Resources Management Association
- Iranian National Committee on Irrigation and Drainage
- Kerman Regional Committee on Irrigation and Drainage
- Water and Irrigation Association
- Agricultural Engineering Systems
- Technical Group on environmental and base studies, Department of Energy
- Young Researchers Club

WORKSHOPS

WORKSHOPS ORGANIZER

- Applications of Artificial Neural Networks in hydrologic Engineering Fields
Urmia University, Dept. of Water Engineering | 2008
Azad University of Naghadeh Branch, Dept. of Civil Engineering | 2009
- Application of GIS in Urban Management
West Azerbaijan City's Mayer. Jihad Daneshgahi, Urmia University | 2009
- Project management (PMBOK)
11th Iranian hydraulic conference, Urmia University, Iran | 2012
9th international rivers conference, Ahvaz, Iran | 2012
- Value Engineering in Water Resources
KNT University of Tehran Iran | 2012

PARTICIPATION IN WORKSHOPS

**

Awards & Honors

- Best Researcher Prize|2012; 2013; 2014
Ministry of Energy, Iran
- Rank 1 among M.Sc.students |2008
University of Kerman

