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KEY QUALIFICATIONS:

Professor of civil and environmental engineering with 40 years of teaching, research, and consulting activities that cover broad areas of water resources and environmental engineering. These include: environmental engineering; hydrology; river hydraulics, wetland restoration, watershed engineering, sediment transport and channel morphology; hydraulic structures; hydropower; fish habitat and fish passage engineering; environmental impact assessment and mitigation; water resources planning; water quality management and monitoring; integrated watershed management; coastal and estuarine sediment; and river resource planning and management.

I have taught a wide range of water, environment & sediment-related topics. These include basic, applied and design engineering courses at undergraduate and graduate levels, as well as interdisciplinary graduate courses. I have presented workshops and short courses for practicing professionals on technical topics related to environmental engineering, watershed engineering, river processes, wetland restoration, hydraulic design, dam hydraulics, environmental assessment, watershed management and resource management. I have supervised many MS and PhD theses. I have served in many steering committee related to environmental engineering, water resources, hydraulic structures, watershed management, hydropower, and environmental impact assessment areas. I have actively involved in many engineering design projects.

EDUCATION:

PhD: 1984 Civil & environmental Engineering, Oregon State University, Corvallis USA
 major in Water Resources & Sediment Transport.

MS: 1979 Civil & environmental Engineering, Oregon State University, Corvallis USA
 major in Water resources.

BS: 1974 Water & Irrigation Engineering, Tehran University, Iran
 major in Soil & Water engineering

Research Associate: 1980 Water Resources Research Institute, Oregon State University, Corvallis USA

Sabbatical Leave: 1990 Civil and Environmental Eng., Oregon State University, Corvallis USA
 working on river and watershed management.

Sabbatical Leave: 2001 Civil and Environmental Eng., Washington State Uni, Pullman USA
 working on river and watershed management.

Summer school: 2003 Envisummer 2003, University of Paderborn, Germany
working on environmental issues on soil & water.

Full Professor: 2002 – present, Civil and Environmental Engineering Dept., Shiraz University Iran

PROFESSIONAL EXPERIENCE:

2017- Present Member of Specialty Commission on Environment and Energy Cooperation between Ministry of Higher Education and Industry, Ministry of Science, research and Technology.

2016- Present Academic Chairman of First International and Third National Conference on Sustainable Development in Road Construction Focusing on Environmental Protection, Shiraz, Dec 2017

2014- Present Chairman of Academic Committee of first international and fourth national conference on Engineering Education, November 10-12, 2015, Shiraz University

2010- Present Member of Engineering Academy of Iran- Environment and Energy

2010- 2014 Member of IHP- UNESCO committee in Iran

2010- Present Member of environmental research and technology networking, Ministry of Science, Research and Technology, Deputy Minister in Charge of Research and Technology

2010- Present Member of committee on wetland restoration in Fars province, Fars Governor Office

2011- Present Member of Commission of Research, Education and Extension of Department of Environment, Fars province, Shiraz, Iran.

2008- Present Member of research committee in water and Wastewater Company of Fars province

2007-2009 Vice chairman and Member of Organizing Committee of 8th Congress of Civil Engineering, May 11-13, 2009, Shiraz University, Shiraz, Iran

2007-2008 Chairman of First Technical Conference on Petroleum, gas and Environment, Oct. 28th, 2008, Shiraz University, Shiraz, Iran

2000-Present Member of Fars Commission on Environmental Research Environmental Protection Office Shiraz, Iran

2005-Present Task Committee on Green University Shiraz University Iran

2005- Present Director of Environmental Research & Sustainable Development Center of Shiraz Uni.

2000-Present Consulting Engineer & Design Reviewer Various Consulting Engineers on Flood water spreading and watershed Management

2002- -2004 Consulting Engineer & Design Reviewer Fars Watershed Management Office

2003---present Consulting Engineer & Design reviewer Fars water authority Iran review feasibility study of six - reservoir dams in Southern Iran

2003---present Consulting Engineer & design reviewer Fars Governor Office Iran review feasibilities study of flood protection & watershed management on cities across Fars Province

2003---present Consulting Engineer National Gas Company Iran Design flood protection & watershed managements schemes for gas refinery in Bandar Abbas, Iran

2003---present Consulting Engineer National Gas Company Iran Design drainage system for Gas & Petroleum College in Bushehr Province, Iran

2003—2003 Consulting Engineer & design reviewer Housing Office Iran Water resources & watershed investigation on city development

2003--2003 Chairman of technical workshop on “the role of dam activities in watershed management and planning” Ircold Iran

2003-present Editorial board of water Resources Research Journal Water Resources Association Iran

- 2002—present Researcher National science foundation Iran investigate the water quality and eutrophication of Doroodzan reservoir dam Iran
- 2002---2003 Consulting Engineer Planning & management office Iran Review feasibility and design stage of river basin development
- 2002---2003 Environmental consulting Environmental Protection Agency Iran Preparing environmental data bank for Fars Province
- 2002—present Director and Member of scientific committee Environmental and sustainable development research Center Shiraz University Iran
- 2001—2003 Researcher Fars Petrochemical Complex Iran Investigate the salt potential and its impurities in Maharloo Lake in Shiraz
- 2002---present Professor Civil Engineering Dept. Iran Teaching, Consulting & Research in water resources, watershed and environmental subjects
- 2000—present Design reviewer Agricultural Ministry Iran design hydraulic structures for watershed management for ground water recharge
- 1999---2003 Researcher Environmental Protection Agency Iran Research on water quality of Kor River basin
- 2000—2002 Technical steering Committee Agriculture Ministry Iran review reconnaissance & feasibility study for 56 sites for hydropower development in southern Iran
- 2001-present Editorial board of Iranian Journal of Science and Technology Shiraz University Iran
- 2001-present Member of expert committee on urban rivers in Shiraz Iran review reconnaissance & feasibility study of urban rivers
- 2001-2003 Researcher Shiraz University Iran environmental impact assessment of Shiraz solid waste landfill
- 2000—2002 Researcher Shiraz University Iran environmental impact assessment of reservoir dam on Kor River
- 2000-2001 Researcher& Visiting Professor sabbatical leave working on the effect of land use on salmon fish in PNW, Washington State University, USA
- 1999--1999 Chairman of Regional workshop on Traditional Water Harvesting Systems, May 1-5, 1999, Tehran, Iran
- 1989---2001 Technical steering Committee Fars Water Authority Iran review reconnaissance, feasibility & design studies for major reservoir dams in southern Iran
- 1997-2000 Researcher members of environment and sustainable development in National Research Foundation of Iran
- 1992-1998 Member of Erosion and Sediment Committee, UNESCO in Iran
- 1995---2002 Associate Professor of civil engineering Shiraz University Iran
- 1995-present Member of power ministry high commission to turnkey kowsar reservoir (130-m height) Dam project Iran review detailed design drawings
- 1995-2001 Member of consulting engineer to Karkhah Dam& Izad khast Dam Iran
- 1994-2000 Design reviewer Flood control in various cities in Iran such as; Shiraz, Yasuj, Jahroom, sepidan, Larastan, Marvedasht, and Khavaran
- Protection of bank and bed of Cheev River (30 km)
 - Pipeline transmission in Bachoon plain
 - Design of lake and tourist areas in Shiraz
 - Design of diversion dam in Shiraz
 - Transmission of water by pumping station in Mond River
- 1992-1994 Member of Dam committee to provide help to Contractor of Sivand Dam in Iran

1991-1992 Designer Investigation of khosk River in Shiraz Drainage project in various parts of Shiraz, and Riverbed protection in Khoshk River in Shiraz Iran

1990—present Short course Lecturer state and private organization Iran in many subjects on water resources, hydropower and environmental engineering

1990--1990 Chairman of Third International Congress of Civil Engineering, Shiraz, May 14-18, 1990 Iran

1990-present member of Technical committee of many workshops and seminars related to water resources and environmental engineering Iran

1990---1991 Researcher & Visiting Professor Sabbatical leave Oregon State University USA

1988---1990 Vice-dean of Research, School of Engineering Shiraz University Iran

1988---1990 Member of editorial board of press Shiraz University Iran

1988---1990 Member of Shiraz University Council Shiraz University Iran

1985---1988 Chairman of Civil Engineering Department Shiraz University Iran

1985---1986 Vice dean of Student affair-School of Engineering Shiraz University Iran

1984- Present Researcher environmental assessment of many water resources projects in Iran

1984---1995 Assistant Professor of civil engineering Shiraz University Iran

1980---1984 Teaching and Research Assistant Oregon State University USA

1980-1984 Project engineer Hydrodynamic and Pollution characteristics of Sturgeon Lake in Portland, Oregon, U.S.A.

1977---1984 Project engineer water resources research institute Oregon State University USA working on many river and water resources project

1978—1980 Project engineer Department of Energy USA working on hydro potential in Northwest with a team of experts from four neighboring states

1977-1980 Project engineer Sediment management in Willamette River, Corvallis, Oregon USA

LANGUAGES:

Farsi, my mother tongue language
 English, good command
 German, just started to learn

GEOGRAPHIC EXPERIENCE:

I have earned my teaching, research and consulting experiences working on many environmental engineering, water resources, River Engineering, Sediment Transport, watershed, hydropower, and environmental subjects during my study and sabbatical leaves at water resources research Institute at Oregon State University and Washington State University within Pacific Northwest regions. I have also gained experiences working on multidisciplinary subjects as a teacher, consulting engineer, member of task committee, technical steering panel on subjects such as water resources development, watershed engineering, small and medium hydropower, dam activities, watershed management and environmental assessment. I have also served many scientific committee regarding workshops on bed load measurement, watershed management, water resources activities, Environmental impact assessment, environmental flow, traditional methods of water harvesting, and hydraulic structures in United States of America, Germany and Iran. I have organized and participated in many international, national, and l regional

workshops working with colleagues in neighboring countries and worldwide in Civil & Environmental Engineering, Sediment transport, and watershed and water resources subjects.

PROFESSIONAL AFFILIATIONS:

- Member of Academy of Engineering, Environment and Energy branch
- Vice chairman of 8th International Congress on Civil Engineering, May 11-13, 2009, Shiraz, Iran
- Editor-in-chief of Iranian Journal of Science & Technology, Transactions of Civil Engineering (ISI)
- Editor in Chief of Iranian Journal of watershed Management (Science & Engineering) from March 2007 to Aug. 2011
- Editor-in-Chief of Water Engineering Journal (ISC)
- Editorial board of Iranian Journal of Science & Technology Transaction of Civil Engineering (ISI)
- Editorial board and associate editor of Iran- Water Resources Research Journal (ISC)
- Editorial board and associate editor of Water & wastewater Journal (ISC)
- Editorial board and associate editor of Water & watershed Journal
- Editorial board of Sharif Scientific Journal, Civil Engineering (ISC)
- Editorial Board and associate editor of Iranian water Research Journal (ISC)
- Editorial Board and associate editor of Iranian Hydraulic Journal (ISC)
- Editorial Board of water and irrigation Journal, Tehran University (ISC)
- Editorial Board of Hydraulic Structures
- Member of IHP- UNESCO committee in Iran
- Member of word selection in Civil engineering, Academy of Science, Iran
- Member of promotion committee for school of engineering, Shiraz University
- Member of Iranian environmental research centers networks, Ministry of Science, Research and Technology
- Member of Board of Trustee of Iranian Civil Engineering Congresses
- President of Iranian watershed society, 2007-2010
- Member of Iranian Watershed Society
- Member of Expert Committee on Erosion & Sedimentation, UNESCO and Jihad-e-Keshaverzi Ministry
- Member of board and founder of Green Development Society, an NGO on environment
- Member of scientific committee of watershed Management in Jihad-e-Keshaverzi Ministry
- Director of Environmental Research and Sustainable Development Center of Shiraz University
- Member of AGU
- Member of IAHR
- Member of Iranian Society of Civil Engineering
- Member of Iranian Hydraulic Society
- Member of Iranian water Resources Society
- Member of Iranian ICOLD
- Member of Iranian environmental society

HONORS/AWARDS:

- Distinguished Hydraulic Professor of Hydraulic Society of Iran in 2011
- Celebrated scholar, Iranology Foundation
- Winner of best Article in sediment transport, 1992, National Research foundation of Iran

- Winner of first prize engineering book entitled Gabion Structure, 1990, Islamic Republic of Iran, and Book of the Year, a book used by many watershed engineers and scientists in Iran.
- Winner of Shiraz University Researcher of the Year Award (2005)
- Member of Word selection in Civil Engineering, Academy of Science
- Winner of outstanding researcher, 2004, school of engineering, Shiraz University, Iran.
- Winner of Best Article in 4th Civil Engineering Congress, Tehran University, May 2008.
- Winner of Outstanding Industry Researcher of 2007, Shiraz University
- Winner of Best article in 7th Hydraulics Conference
- Winner of Outstanding researcher of 2008, Shiraz University
- Winner of Outstanding researcher of Civil and Environmental Engineering, 2009.

Presentation and Seminars:

Many lectures around Iran and abroad have been presented in areas of environmental impact assessment, strategic environmental assessment, water crisis-challenges and solutions, wetlands in Iran-challenges and solutions, wetland restoration, environmental flows-challenges, sustainability, resilient structures, integrated solid waste management, hazardous waste, river restoration, water resources LEED assessment for building industry, Water crisis - challenges and solutions, Historical hydraulic structures, Environmental flow, Hydraulic challenges, Strategic environmental assessment, Land use planning, Environmental impact assessment, Environmental requirements for rivers, Engineering services in history, Dust – challenges and solutions, hydraulic engineering, sediment transport, river engineering, watershed management, environmental challenges, green buildings in Iran.

Master of Science Theses:

More than 100 M.Sc. Theses in different areas of Civil and Environmental Engineering have been supervised by me as a chairman during last 35 years of teaching and also I served in more than 250 M.Sc. theses as an advisor.

PhD Theses:

13 PhD theses have been defended under my supervision including:

- 1) Asadollah Mardashti, Form optimization of stepped spillway for energy dissipation based on step-pool mountain streams, October 2007
- 2) Abdol Hosein Baghlani, Numerical modeling of two-dimension depth-averaged for alluvial river junctions, 2007
- 3) Hassti Hasheminejad, Experimental study and modeling of Petroleum contaminated ground water treatment by using GAC, PAC, peat and natural cellulous materials (sawdust), March 2009
- 4) Mohammad Hadi Fattahi, Fractal analysis of river flow time series, 2010
- 5) Zahra Ghadampour, Modeling non-hydrostatic flow inclusion of turbulent using Meshfree methods, September 2012
- 6) Seied Mehrab Amiri, A hybrid neural network and two-dimensional depth-averaged model for alluvial channels, 2012
- 7) Ali Akbar Hekmatzade, Experimental investigation and modeling of Nitrate removal from polluted water by ion exchange process, June 2012
- 8) Mohammad Reza Nikmanesh, Numerical modeling of concentration profile for soft muddy (cohesive) sediments due to wave and current, February 2013
- 9) Ali Mahdavi, Numerical modeling of wave flume using smoothed particle hydrodynamics, March 2015

- 10) Hossein Khorshidi, Stochastic Simulation of diffusion dispersion equation considering uncertainties in input variables, 2016
- 11) Hamed Reza Zarif Sanaaye, Analytical investigation of unsaturated flow by Richards' equation in various conditions, 2016
- 12) M. Masbai, Gene-expression programming to predict the local scour depth at downstream of stilling basins, 2016
- 13) Farnosh Aghae Daneshvar, Numerical simulation of open channel flow by modified smoothed particle method, 2017

Additionally, I served in more than 25 PhD theses as an advisor. presently, six PhD students working on their theses under my supervision.

PUBLICATIONS:

a. Books:

1. Talebbeydokhti, N. and B. Banihashemi, Chapter 13: Application of Environmental Flow in Developing Countries: Methods and Challenges, Water Management in Iran and The United States, Editor, Henry Vaux Jr., University of California, Rosenberg International Forum on water Policy, 2010, PP220-245
2. Shaghaghian, M. R. and Talebbeydokhti, N., Comparison of Several Finite Difference Schemes in Flow Modeling over an Ogee Spillway in a Book Entitled Advances in Water Resources and Hydraulic Engineering, Edited by Zhang, C. and Tang, H., Springer Publisher, 2009
3. Sadeghi, S.H.R., Yasrebi, B., Talebbeydokhti, N., Shahoei, S., Soufi, M., and Behboudi, F., "Soil and water Conservatiob in Forest watershed," Iranian Commission Unesco, Iranian Watershed Society, Spring 2008.
4. Arabkhedri, M., Kamali, K., Sadeghi, S.H.R., Soufi, M., Behnia, A., Talebbeydokhti, N., and Behboudi, F., "Traditional Techniques of Soil and Water Conservation in Iran, Iranian Commission UNESCO, Iranian Watershed Society, Spring 2008.
5. Talebbeydokhti et al., "Erosion and Sediment Glossary", Erosion and Sediment Committee and UNESCO, Tehran, 2003
6. Javan, M., N. Talebbeydokhti, M. Farshad, P. Javahari, "Gabion Structures", Jahan Sazandeghi Publishing, Tehran (in Farsi), 1990. Winner of Best Engineering Book in Book Fair of Iran, Year of 1990
7. Talebbeydokhti, N. and M. Javan, "River Engineering ",(in Farsi), Under print.
8. Anvar, S.A., and N. Talebbeydokhti, " proceedings of Third International Congress of Civil Engineering ", editors, May 14-18, 1990,6 Volumes (5 in English and one in Farsi).
9. Talebbeydokhti, N., A. Telvari, and S.A. Heydarian, "Regional workshop on Traditional Water Harvesting Systems", Editors, May 1-5,1999, Tehran, Iran.
10. Editing 2 books on hydraulic Engineering and sediment transport published by Esphahan Industrial University and Ahwaz University.

11. Editing book on river engineering published by watershed and soil conservation Center, 2005, Tehran, Iran.
12. Yasi, M., Javan, M., Talebbeydokhti, N. and Bina, M., "Spur Dike design", 2008, water industry standard # 516, Power ministry (Farsi)

b. Articles:

Journals papers (refereed):

(A) ISI journal

1. Niazkar, M., Talebbeydokhti, N., and Afzali, S.H., (2017) "Relationship between Hazen-William coefficient and Colebrook-White friction factor: Application in water network analysis," *European Water*, 58: 513-520
2. Khorshidi, H., Talebbeydokhti, N., and Rakhshendehroo, Gh. R.,(2017) "Uncertainty analysis of open channel flow: Stochastic approach to advection-diffusion equation, *Scientia Iranica*, 24(5), 2262-2270
3. Mesbahi, M., Talebbeydokhti, N., Hosseini, S. A., & Afzali (2016) "Gene-expression programming to predict the local scour depth at downstream of stilling basins," *Scientia Iranica, Transaction A: Civil Engineering* 23, no. 1: 102-113.
4. Nabatian, M., Amiri, M., Hashemi, M. R., & Talebbeydokhti, N. (2015) "Numerical Analysis of Flow over Weirs and Labyrinth Side Weirs," *Scientia Iranica, Transaction A: Civil Engineering* 22, no. 6: 1994-2000.
5. Zahraeifard, V., & Talebbeydokhti, N. (2015). Numerical simulation of turbulent flow over labyrinth spillways/weirs and corresponding discharge coefficient and efficiency. *Scientia Iranica. Transaction A, Civil Engineering*, 22(5), 1734.
6. Abrari, L., Talebbeydokhti, N., & Sahraei, S. (2015). Investigation of hydraulic performance of piano shaped weirs using three dimensional numerical modeling. *Iranian Journal of Science and Technology Transactions of Civil Engineering*, 39, 539-557.
7. Sanayei, H. Z., Talebbeydokhti, N., & Moradkhani, H. (2015). 3D estimation of metal elements in sediments of the Caspian Sea with moving least square and radial basis function interpolation methods. *Scientia Iranica. Transaction A, Civil Engineering*, 22(5), 1661.
8. Sahraei, S., Andalani, S. Z., Zakermofegh, M., Sisakht, B. N., Talebbeydokhti, N., & Moradkhani, H. (2015). Daily discharge forecasting using least square support vector regression and regression tree. *Scientia Iranica. Transaction A, Civil Engineering*, 22(2), 410.
9. Sahraei, Sh., Zare Ardalan, Zakermofegh, Nikaghbal Sisakhat, B., Talebbeydokhti, N., and Moradkhani, H., "Daily discharge forecasting using least square support vector regression tree," *Scientia Iranica, Transaction A: Civil Engineering* 22, no. 2 (2015): 410-422.
10. Mahdavi, A. and Talebbeydokhti, N., (2015) "A hybrid solid boundary treatment algorithm for smoothed particle hydrodynamics," *Scientia Iranica, Transaction A: Civil Engineering* 22, no. 4, 1457-1469.
11. Ghadampour, Z., M. R. Hashemi, N. Talebbeydokhti, S. P. Neill, and A. H. Nikseresht. "Some numerical aspects of modelling flow around hydraulic structures using

- incompressible SPH." *Computers & Mathematics with Applications* 69, no. 12 (2015): 1470-1483.
12. Zare, B., M. Habibi, N. Talebeydokhti, and Ayoub Karimi-Jashni. "Sludge Bulking Control by Chlorination in Shiraz Wastewater Treatment Plant." *GMP Review*, 18 (2015):259-265.
 13. Hakmetzadeh, A.A., Karimi Jashni, A., Talebeydokhti, N., and Clove, B., "Adsorption kinetics of nitrate ion on ion exchange resin...", *Desalination*, Vol. 326, 2013, PP 125-134.
 14. Asadsangabi, F., N. Talebeydokhti, and M. Rahnavard. "Two phase flow modeling in shaft-spillways using volume of fluid (VOF) method." *Iranian Journal of Science and Technology. Transactions of Civil Engineering* 38, no. C1 (2014): 99.
 15. Asadsangabi, F. and Talebeydokhti, N., "Two phase flow modeling in shaft spillways using fluent," *Iranian Journal of Science and Technology transactions of Civil Engineering (IJSTC)*, Vol. 38, 2014, PP 99-109.
 16. Fattahi, M.H., Talebeydokhti, N., Moradkhani, H., and Nikoei, A., "Revealing the chaotic nature of river flow...", *IJSTC*, Vol. 37, 2013, PP 437-456.
 17. Baghalani, A. and Talebeydokhti, N., "Hydrodynamics of right-angled channel confluences by a 2 D numerical model," *IJSTC*, Vol. 37, 2013, PP 271-283.
 18. Nikmanesh, M. R., and N. Talebeydokhti. "Numerical simulation for predicting concentration profiles of cohesive sediments in surf zone." *Scientia Iranica* 20, no. 3 (2013): 454-465.
 19. Amiri, S.M., Talebeydokhti, N., Baghlani, A. "A two-dimensional well-balanced numerical model for shallow water equations," *Scientia Iranica*, Volume 20, Issue 1, February 2013, Pages 97-107
 20. Ghadampour, Z., Talebeydokhti, N., Hashemi, M.R., Nikseresht, A.H., Neill, S.P., "Numerical Simulation of Free Surface Mudflow Using Incompressible SPH," *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, Vol. 37, No. C1, February 2013, pp 77-95.
 21. Hasheminejad, H., Karimi Jashni, A., Talebeydokhti, N., Monajemi, P., "Remediation of Petroleum Contaminated Groundwater Using Sawdust as an Adsorbent," *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, Vol. 37, No. C1, February 2013, pp 127-141.
 22. Nikseresht, A.H., Talebeydokhti, N., Rezaei M.J., "Numerical simulation of two-phase flow on step-pool spillways," *Scientia Iranica*, Vol. 20, May 2013, pp 222-230.
 23. Hamidi, M. E., M. R. Hashemi, N. Talebeydokhti, and S. P. Neill. "Numerical modelling of the mild slope equation using localised differential quadrature method." *Ocean Engineering* 47 (2012): 88-103.
 24. Hekmatzadeh, A. A., A. Karimi-Jashni, N. Talebeydokhti, and B. Clove. "Adsorption kinetics of nitrate ions on ion exchange resin." *Desalination* 326, (2013): 125-134.
 25. Nikseresht, A.H., Talebeydokhti, N., and Khorshidi, H., "3-D Numerical Modeling of Cavitation and Aeration system in Dam Outlets," *Journal of Fluid Mechanics, ASME*, Vol. 134, 2012, PP 995-1001.
 26. Hamidi, M.E., Hashemi, M.R., Talebeydokhti, N., and Neill, S.P., " Numerical Modeling of the Mild Slope Equation using Localized Differential Quadrature Method," *Ocean Engineering*, Vol. 47 (2012), pp 88-103.

27. Mahdavi, A. and Talebbeydokhti, N., "Modeling of Non-Breaking and Breaking Solitary Wave Run-Up Using Shock-Capturing TVD-WAF Scheme," *KSCE Journal of Engineering*, Vol. 15, No. 6, 2011, PP 945-955 (ISI).
28. Nikmanesh, M. R., Talebbeydokhti, N., "Comparison of Wavelet Theory and Time Series Capabilities in Monthly Rainfall Modeling (Case Study: Saadat-Shahr & Rrsanjan in Frasin Province)," *Journal of Physical Geography*, Summer 2012;5(16):1-10
29. Hekmatzadeh, A. A., A. Karimi-Jashni, N. Talebbeydokhti, and B. Clove. "Modeling of nitrate removal for ion exchange resin in batch and fixed bed experiments." *Desalination* 284, no. 4 (2012): 22–31.
30. Hamidi, M. E., M. R. Hashemi, N. Talebbeydokhti, and S. P. Neill. "Numerical modelling of the mild slope equation using localised differential quadrature method." *Ocean Engineering* 47 (2012): 88–103.
31. Derakhshan, H. and Talebbeydokhti, N., "Support Domain Effects on Shape Parameter C in Mapping by Radial basis Functions (RBFs)," *Water Resources Research*, 2012, Vol. 7, No. 4.
32. Hakmetzadeh, A. A., Karimi Jashni, A., and Talebbeydokhti, N., " Modeling Nitrate Removal for Ion Exchange Resin in Batch and Fixed Bed experiments," *Journal of Desalination*, under publication, 2011 (ISI)
33. Fattahi, M., Talebbeydokhti, N., Rakhshandehroo, G.R., Shamsai, A., Nekoei, A., "Fractal assessment of wavelet based technique for improving the prediction of artificial neural network," *International journal of Food, Agriculture & Environment- JFAE*, Vol 8.(3 & 4) – 2010(ISI)
34. Fattahi, M., Talebbeydokhti, N., Rakhshandehroo, G.R., Shamsai, A., Nekoei, A., "The robust fractal analysis of time series: Concerning signal class and data length," *The Journal of Fractals, Complex Geometry, Patterns, and Scaling in Nature and Society*, World Scientific Publishing Company, Vol. 19, No. 1, 2011, PP 29-49(ISI)
35. Mardashti, A. and Talebbeydokhti, N., " Energy Loss Evaluation of of Stepped Spillway, *Journal of water Resources Research*, Vol. 3, No. 2, 2008
36. Baghlani, A., N. Talebbeydokhti, and M. J. Abedini. "A shock-capturing model based on flux-vector splitting method in boundary-fitted curvilinear coordinates." *Applied Mathematical Modelling* 32, no. 3 (2008): 249–266.
37. Baghlani, A.H, Talebbeydokhti, N., and Abedini, M. J., " A Shock Capturing Model Based on Flux-Vector Splitting Method in Boundary –Fitted Curvilinear Coordinates," *Journal of Applied Mathematical Modeling*, Elsevier under print, 2007(ISI)
38. Baghlani, A.H. and Talebbeydokhti, N., "A Mapping Technique for Numerical Computations of Bed Evolutions," *Journal of Applied Mathematical Modeling*, Elsevier, Science Direct, 31(2007) 499-512(ISI)
39. Nourani, V., Talebbeydokhti, N., Abedini, M.J., and Rakhshandehroo, G.R., "Suspended Sediment Load Estimation Using Geostatistics Case Study; Talkherood River, Tabriz, Iran *Water Resources Research Journal*, Vol.1, No. 2 , Summer 2005.
40. Papanicolaou, A. N. and N. Talebbeydokhti, " Discussion of Turbulent Open-Channel Flow in Circular Corrugated Culverts," by S.A. Ead, N. Rajaratnam, C. Katopodis, and F. Ade, *Journal of Hydraulic Engineering*, ASCE, May 2002, PP547-550(ISI)

41. Papanicolaou, A. N., A. Bdour, N. Evaggelopoulos, and N. Talebbeydokhti, "Watershed and Stream Corridor Impacts on the Fish Population in the South Fork of the Clearwater River, Idaho," *Journal of American Water Resources Association*, 2003, 39(1), PP. 191-203 (ISI)
42. Maheri, M. R., N. Talebbeydokhti, and S. Ahadi, "Shape Optimization of Concrete Arch Dams Using Simple Genetic Algorithm," *Dam Engineering Journal*, Vol. XIV issue 2 August 2003, pp 105-140 (ISI)
43. A. N. Papanicolaou, N. Talebbeydokhti, and A. Schuyler, "The Evolution of Cluster Microforms in Gravel-Bed Streams," *Journal of Earth surface and Landform Processes*, Vol. 28, May 2003 (ISI)
44. Hekmatzadeh, A., Karimi Jashni, A., Talebbeydokhti, N., & Clove, B., "Adsorption kinetics of nitrate ions on ion exchange resin", *J. of Desalination*, Vol. 326 (2013), pp. 125-134.
45. Mahdavi, A., Hashemi, M.R. & Talebbeydokhti, N., "A localized differential quadrature model for moving boundary shallow water flows", *J. of Hydraulic Research*, Vol. 50 (2012), pp. 612-622.
46. Hekmatzadeh, A., Karimi Jashni, A., Talebbeydokhti, N. & Clove, B., "Modeling of nitrate removal for ion exchange resin in batch and fixed bed experiments", *J. of Desalination*, Vol. 284 (2012), pp. 22-31.
47. Fattahi, M.H., Talebbeydokhti, N., Rakhshandehroo G.R., Shamsaei, A. & Nikooei, E., "The robust fractal analysis of time series: Concerning signal class and data length", *J. of Fractals*, Vol. 19 (2011), pp. 29-49.
48. Fattahi, M.H., Talebbeydokhti, N., Rakhshandehroo, G.R., Shamsaei, A. & Nikooei, E. "The robust fractal analysis of time series: Concerning signal class and data length", *J. of Fractals Complex Geometry, Patterns, and Scaling in Nature and Society*, Vol. 18 (2010), pp. 1-21.
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"I confirm my intention to serve in the stated position and present availability to serve for the term of the proposed contract. I also understand that any willful misstatement described above may lead to my disqualification, before or during my engagement"

A small, handwritten mark or signature in blue ink, consisting of a circle with a horizontal line through it and a few additional strokes below.