

Name: Jamal Mohammad Vali Samani

Research interests: 1- Hydraulics and Hydraulic Structure 2- Sediment Transport Hydraulics 3- Embankment Dams

Education background: 1- B.S.c: Water and Soil, Baghdad University, Iraq, 1979.

2- M.S.c: Irrigation and Drainage Engineering, Shahid Chamran University, Iran, 1989.

3- PhD: Water Resources Engineering, Hydraulics, University of Waterloo, Canada, 1995.

Research experiences:

1- Studying and Modeling of flow in rockfill dams and its application in flood control, rockfill dams' hydraulic, Tarbiat Modares University, Iran,

2- Small cohesive sediment flow modeling, adhesive sediment hydraulic, Tarbiat Modares University, Iran,

3- Mathematical modeling of simultaneous flow above and under gate in submerged condition, hydraulic, Tarbiat Modares University, Iran,

4- complex intelligence system in management and operation of multi-purpose reservoirs, water resources management, Tarbiat Modares University, Iran,

Courses taught: 1- Ground water, undergraduate. 2- Numerical Analysis, undergraduate. 3- Fluid Mechanics, undergraduate. 4- Engineering Hydrology, undergraduate. 5- Hydrodynamics, graduate. 6- Open Channel Hydraulics, graduate. 7- Hydraulic Structures, graduate. 8- Embankment Dams, graduate. 9- Numerical Analysis, graduate. 10- Hydraulics and Hydrology of Sediment, Postgraduate. 11- Advanced Hydraulics for Engineering, Postgraduate.

Foreign language skills: 1- English. 2- Arabic. Computer skills:

1- Familiar with various software specialty hydraulic and sediment hydraulic.

Academic awards: 1- Distinguished professor, Tarbiat Modares University, 2008.

2- Superior researcher, Tarbiat Modares University, 2005.

3- Acclaimed grade, Tarbiat Modares University, 2008.

4- Waterloo university award, Waterloo, Canada, 1994.

5- Awards from the Minister of Agriculture.

Published books: 1- Planning sediment tests, Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2001.

2- Guide to determine the depth of erosion and methods to deal with it in the range of bridge foundations, Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2002.

3- Erosion and sedimentation within groynes, Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2002.

4- Determine the size and distribution of sediments in the dam reservoirs, Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2001.

5- Guide to review the efficiency of sediment trapping around intakes, Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2002.

6- Determine bed load base on Mayer-Peter and Muller (in sediment studies), Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2001.

7- Guide in determining the piping of Hydraulic Structures, Sediment committee (...Jamal Mohammad Vali Samani...), Management and Planning Organization of Iran, 2001.

Local journal papers: 1- Samani J. M. V., shayannejad, M. 2000. "Comparison of kinematic wave and matched diffusivity methods with dynamic Wave method in flood routing of rivers", International Journal of Engineering Science, No 3, Vol. 11, p. 29- 43

2- Samani J. M. V., shayannejad, M. 2000. "Comparison of kinematic wave and matched diffusivity methods with dynamic Wave method in flood routing of rivers", International Journal of Engineering Science, No 3, Vol. 11, p. 29- 43.

3- Samani, J. M. V., 2001. "Sediment yield estimation using distributed model", International Journal of Engineering Science, No 2, Vol. 12, p. 41- 54.

4- Samani J. M. V., Kouchakzadeh M. and Fathi P., "Determination of saturated soil hydraulic conductivity and effective porosity using optimization techniques", Journal of Modares Agricultural Science, vol. 1, No. 3, 2000, 31-43.

5- Rahimi Khob, A., Samani, J. M. V. and Behbahani, S. M. R. 2000. "Mathematical model of infiltration in trickle irrigation", Journal of Agriculture and Rural Development, Vol.2, No 1 & 2,

- 6- Japloghi, A., Samani, J. M. V., and Banihabib, E. 2001. Study of sediment trapping efficiency in detention dams using physical model. *Journal water and wastewater*, No 41.
- 7- Monem, M. J., Samani J. M.V., and Mehrabi, E., (2003). "Derivation and verification of hydraulic deflection- merter for discharge measurement in irrigation canals", *J. of Agri. Engineering Research*, 4(14).
- 8- Samani H.M.V., M Samani J. M.V., and Fartash, M. 2004. "Sewer Network Design Using Nonlinear Optimization", *International Journal of Engineering Science*, Vol. 17, No. (4).
- 9- Samani, J. M. V., and Emadi, A. 2001. "A 1-D Simulation of noncohesive sediment transport through rockfill dams", *International Journal of Engineering Science*, No 2, Vol. 15, p. 211- 223.
- 10- Miftahhalgi, M., Samani, J. M. V., and Samani, H. M. V. 2005. "A 1-D Model for simulating of fine cohesive sediment deposition in open channels." *Journal of Agricultural and Natural Resources (Gorgan)*, Volume 1.
- 11- Mogadasi, M., Moried, S., Ghaemi, H., and Samani, J. M. V., 2004. "Daily draught monitoring of Tehran province." *Iranian Journal of Agricultural Sciences*. No. 36.
- 12- Samani, J. M. V., and Farshad, R. 2004. Noncohesive sediment transport in rockfill structures using combined model of one-dimensional and dimensional analysis.
- 13- Rahimi Khob, A., Kouchakzadeh, M., Sharifi, F. Samani, J. M. V., and Behbahani, S. M. R. 2004. Estimation of maximum daily air temperature using NOAA-AVHRR satellite data, case study: Basin of Orumieh Lake, *seasonal journal of environmental science and technology*, Vol 23, pp. 45-54.
- 14- Samani, H. M. V., Samani, J. M. V., and Fartash, M. 2004. Wastewater system designation using nonlinear optimization, *International Journal of Engineering Science*, Vol 17, No 4, pp. 45-53.
- 15- Samani, J. M. V., and Emadi, A. 2004. One-dimensional simulation of noncohesive sediment transport in retention rockfill dams. *International Journal of Engineering Science*, Vol 15, No 2, pp. 211-223.
- 16- Samani, J. M. V., Homaei, M., and Kouchakzadeh, M., and Fathi, P. 2005. "A simple method for simultaneous prediction of saturated hydraulic conductivity and drainable porosity. *Journal of Agricultural Engineering Research*. Vol.6, No (23).
- 17- Halghi, M. M, Samani, J. M. V. 2004. One-dimensional numerical model for simulating sedimentation of small cohesive sediment in open channel, *Journal of Agricultural and Natural Resources (Gorgan)*, Vol 1, pp. 105-114.
- 18- Izadi M., Kouchakzadeh M., Samani J. M. V., and Shahabifar M. 2005. "Investigating the Effect of surge parameters on the uniformity and surge irrigation efficiency." *Iranian Journal of Soil and Water Sciences*. Vol. 19: No (2).
- 19- Ayyoubzadeh, S. A., Gohari Asadi, S., and Samani J. M. V. 2006. "The effect of suspended load on discharge coefficient of side weirs in rectangular channels." *Journal of Agricultural*

Engineering Research. Vol.7, No (26).

20- Samani, J. M. V., 2006. "A 1D model for erosion through submerged, prone vegetation." Modares Technical and Engineering Journal. No (23).

21- Qaderi, K., Samani, J. M. V., Eslami, H. R., and Saghafian, B. 2006. "Auto calibration of a rainfall-runoff model based on SCE method." Iran-Water Resources Research Journal, Vol. 2, No. (2).

22- Samani, J. M. V., Ayyoubzadeh, S. A., and Aghamajidi, R., 2007. "One Dimensional Simulation of Flushing Sediment through Reservoirs." Journal of Agricultural Engineering Research. 8 (3): 103-120.

23- Qaderi, K., and Samani, J. M. V. 2006. "One Dimensional Mathematical Model for Discharge Flow Calculation in Submerged Rockfill Detention." Journal of Agricultural Engineering Research. 8 (3): 103-120.

24- Samani, J. M. V., and Fathi, P. 2005. Evaluating some drainage's unsteady analytical models in estimating simultaneously saturated hydraulic conductivity and effective porosity using inverse problem, Journal of Agricultural and Natural Resources (Gorgan), Vol 12, No 3, pp. 1-10.

25- Fathi, P., Samani, J. M. V., and Kouchakzadeh M. 2005. Estimating saturated hydraulic conductivity and effective porosity using inverse problem, Journal Water and Soil Science, Vol 19, No 1, pp. 87-95.

26- Hassan Pur, F., Ayyoubzadeh, S. A., Ghodsian, M., and Samani, J. M. V. 2007. Effect of submerged plates on discharge and longitudinal profile of surface water near 90 degrees side intakes, Journal of Research and Construction, No 77, pp. 104-114.

27- Samani, J. M. V., and Fathi, P. 2007. Estimating hydrodynamical characteristics of saturated soil using inverse problem, Hydraulic, Vol 6, No 5, pp. 39-53.

28- Samani, J. M. V., and Mazaheri, M. 2008. Presenting an analytical relation for transition region in velocity distribution in flexible channel with vegetation cover, International Journal of Engineering Science, Vol 19, No 2, pp. 113-118.

29- Ghanji Norozi, Z., Samani, J. M. V., and Morid, S. 2008. Study of uncertainty in sediment volume of of dam reservoir, Iran-Water Resources Research Journal, Vol. 4, No 1.

30- Razavi Toosi, S. L., Samani, J. M. V., and Korepazan Dezfuli, A. 2007. Prioritizing water transition between basins using Fuzzi group multi branch decision making, Iran-Water Resources Research Journal, Vol. 3, No 2, pp. 1-9.

31- Vaeze Tehrani, M., Samani, J. M. V., and Montaseri, M. 2007. Uncertainty analysis for estimating reservoir sediment volume, Iran-Water Resources Research Journal, Vol. 3, No 2, pp. 100-110.

International journal papers: 1- Samani, H. M. V., Samani, J. M. V, and M. shayannejad, 2003, 'Reservoir Routing using Steady and Unsteady Flow through Rockfill Dams ', J. of Hydraulic Eng., ASCE, Vol 196, No 16.

2- Samani, J. M. V., Samani, H. M. V, and M. Shayannejad, 2004, 'Reservoir Routing with Outflow

through Rockfill Dams ', J. of Hydraulic Research, Vol 42, No 4.

3- Mogadasi, M., Moried, S., Ghaemi, H., and Samani, J. M. V. 2005, 'Drought monitoring using deciles index, standardized precipitation and effective drought index in Tehran province', Iran Agricultural Research, Vol 23, pp. 95-109.

4- Samani, J. M. V., Fathi, P., and Homaei, M. 2007, 'Simultaneous prediction of saturated hydraulic conductivity and drainable porosity using inverse problem technique', Journal of Irrigation and Drainage Engineering (ASCE), Vol 133, No 2, pp. 110-115.

5- Samani, J. M. V. and Heydari, M. 2007, 'Reservoir routing through successive rockfill detention', J. of Agric. Sci. Technol., Vol 9, pp. 326-317.

6- Samani, J. M. V., Vaez Tehrani, M., and Montaseri, M. 2007, 'The evaluation of three methods of uncertainty (MCS, LHS and Harr) in dam reservoir', J. Engineering and Applied Sciences, Vol 2, No 6, pp. 1074-1084.

7- Samani, J. M. V., and Solimani, A. 2008, 'Uncertainty analysis of routed outflow in rockfill dams', J. of Agric. Sci. Technol, Vol 10, pp. 317-326.

8- Vaez Thrani, M., Samani, J. M. V., and Montaseri, M. 2007, 'Uncertainty analysis of reservoir sedimentation using Latin Hypercube Sampling and Harr's method: Shahar Chai Dam in Iran', J. of Hydrology (NZ), Vol 47, No 1, pp. 25-42.

9- Samani, J. M. V., and Mazaheri, M. 2009, 'An analytical model for velocity distribution in transition zone for channel flows over inflexible submerged vegetation', JAST,

10- Samani, J. M. V., Samani, H. M. V., and Halaghi, M. M. 2009, 'One-dimensional numerical model of cohesive sediment transport in open channel flow', JAST,

11- Samani, J. M. V., and Mazaheri, M. 2009, 'Combined flow over weir and under gate', J. of Hydraulic engineering, Vol 135, No 3, pp. 224-227.

12- Samani, J. M. V., Kouwen, N. 2002, 'Stability and Erosion in Grassed Channels', J. of Hydraulic Eng., ASCE, Vol 128, No 1, pp. 40-45.

13- Samani, J. M. V., and Mazaheri, M. 2009, ' An analytical model for velocity distribution in transition zone for channel flows over inflexible submerged vegetation', JAST, Vol 11, pp. 573-584.

14- Ahmadi, M. M., Ayyoubzadeh, S. A., Montazeri Namin, M. and Samani, J. M. V. 2009, 'A 2D Numerical Depth-average Model for Unsteady FLOW in Open Channel Bends', JAST, Vol 11, pp. 425-468.

Local conference papers: 1- Samani, J. M. V. and Yari, R. 2008. Investigation of spatial and temporal changes of groundwater salinity using kriging and GIS. The 7th Iranian Hydraulic Conference, Tehran, Iran.

2- Haghghi Pur, S. and Samani, J. M. V. 2008. Hydroelectric power plant with optimized design using genetic algorithm. The 7th Iranian Hydraulic Conference, Tehran, Iran.

3- Moridnejad, A., Abdolahi, H. and Samani, J. M. V. 2008. Applying remote sensing techniques

to suspended sediment monitoring in surface waters. The 7th Iranian Hydraulic Conference, Tehran, Iran.

4- Vaeze Tehrani, M. and Samani, J. M. V. 2008. Optimization of sediment uncertainty analysis in Land River. The 7th Iranian Hydraulic Conference, Tehran, Iran.

5- Sarvarian, J. and Samani, J. M. V. 2007. "Investigating the possibility of Polrod dam reservoir flushintinty using ResCon model. The 6th Iranian Hydraulic Conference, Shiraz, Iran.

6- Riahi Madvar, H., Samani, J. M. V., Haghhighipor, S. 2007. "Estimation of scour downstream of grade-control structures by Artificial Nural Network." The 7th International River Eng. Conference, Shahid Chamran Univ., Ahvaz, Iran.

7- Samani, J. M. V. and Aghamajidi, R. Numerical study of sediments through the lower tunnel of dam. The 3th National Conference on erosion and sediment.

8- Vaez Tehrani, M., Samani, J. M. V., and Montaseri, M., 2007 "Uncertainty analysis comaparsion study using MSC and Harr's methods in estimating dam reservoir sedimentation volume (Nazlo dam case study)." The 2th Conference on Iran Water Resources Management, Esfahan Polytech. Univ., Esfahan, Iran.

9- Poustizade, N., Samani, J. M. V., and Korepazan Dezfuli, A. 2007. "River flow forecasting using fuzzy inference system (Bakhtiari river case study)." The 2th Conference on Iran Water Resources Management, Esfahan Polytech. Univ., Esfahan, Iran.

10- Razavi Tousi, S. L., Samani, J. M. V., and Korepazan Dezfuli, A. 2007. "Ranking inerbasin water transfer using MCDM methods and phuzzy sets." The 2th Conference on Iran Water Resources Management, Esfahan Polytech. Univ., Esfahan, Iran.

11- Ghaderi, K., Samani, J. M. V. and Emadi, A. 2006. Study of different non Darsy permeation relations and mathematical model for flow calculation in submerged porous environment. The 5th Iranian Hydraulic Conference.

12- Riahi Madvar, H., Samani, J. M. V., Ayyoubzade, S. A. 2007. "Discharge coefficient for unsubmerged simultaneous through and over flow in detention rockfill dams." The 6th Iranian Hydraulic Conference, Shiraz, Iran.

13- Samani, J. M. V, Kashkuli, B. S. and Sarvarian, J. and. 2007. "A new method in intake and conveying river using the filtration method. The 6th Iranian Hydraulic Conference, Shiraz, Iran.

14- Eslami, H., Samani, J. M. V., and Ghadri, K. 2004"Auto-calibration of Rain-Surface Runoff by Using SCE." The First Iranian Water Resources Confewrence.

15- Maleki, R. Samani. J. M. V. and Mohammadi, K. 2006. Effect of drainage on Pesian River water quality using WASP6 model. National Conference on Irrigation and Drainage Management, Iran.

16- Rahimi Khob, A., Samani, J. M. V., and Behbahani, M. 2006. " A 2D unsteady mathematical model for flow towards two different depths drainage system" The National Congress on Irrigation and Drainage Networks. Shahid Chamran Univ.

17- Hassan Pur, F., Ayyubzadeh, S. A. Ghodsian, M., Samani, J. M .V., and Shamsi, A. 2005.

Experimental Study of hydraulic effects of submerged plates on side intakes discharge with 90 degrees. The 5th Iranian Hydraulic Conference.

18- Asadi Gohari, S., Ayyubzadeh, S. A., Ghodsian, M., Samani, J. M. V., and Forotan, Sh. 2005. Spillway discharge coefficients compared to the normal side with a suspended flow. The 5th Iranian Hydraulic Conference.

19- Emadi, A., Samani, J. M. V., and ghaderi, K. 2005. Determine the cohesive sediment transport capacity of detention rockfill dams. The 5th Iranian Hydraulic Conference.

20- Aghamajidi, R., Samani, J. M. V. and Ayyubzadeh, S. A. 2005. Simulation of one-dimensional flashing sediment in dam reservoirs. The 5th Iranian Hydraulic Conference.

21- Hassan Pur, Y., Ayyoubzadeh, S. A., Samani, J. M. V. and Ahmadi Ranani, M. R., Experimental study on effect of trough line length on muddy stream discharge efficiency from dam's reservoirs. The 5th Iranian Hydraulic Conference.

22- Peyravani, H. R., Habibi, M., Samani, J. M. V., Haghiabi, H. A. 1997. Study of geometric, hydraulic and meandering characteristic of ghezal Ozan River and temporal changes in morphology. The 1th Iranian Hydraulic Conference.

23- Samani, J. M. V. and Farhadi, A. 1997. "Determination of Reservoir Sediment Distribution (Case Study of Ekbatan Dam)" The Fifth Conference of River Engineering, Ahwaz Iran, 1377 (in Persian).

24- Samani, J. M. V. and Ayyoubzadeh, A. 1998. "Explicit Solution for Design of Stable Channels", The Second Iranian Hydraulic Conference, Tehran, Iran.

25- Samani, J. M. V. and A. Wahidimajd, 2001. "Sediment Yield Simulation using Hartley's Model and Hydrological Routing", The Third Iranian Hydraulic Conference, Tehran, Iran.

26- Samani, J. M. V. and shayannejad, M. 2001. "Comparison of One and Two Dimentional Flow in Flood Routing through Rockfill Dams", The Third Iranian Hydraulic Conference, Tehran, Iran.

27- Ayyoubzadeh, A. and Samani, J. M. V., 2001. "Engineering Watershed Management as an Effective Tool for facing Draught, (Case study: Ekbatan Dam)", The First Conference on Draught and Water Management, Zabol, Iran.

28- Samani, J. M. V. and shayannejad, M. 2002. "Flow-Rate Equation for Flood Routing through Rockfill Dams", The Sixth International River Engineering Conference, Shahid Chamran Un., Iran.

29- Samani, J. M. V. and Emadi, A. 2003. Determination of Critical Hydraulic Gradient for Non cohesive Sediment Transport in Rockfill Detention Dams. The Forth Iranian Hydraulic Conference, Shiraz, Iran.

30- Samani, J. M. V. and Ghadri, K. 2003. Flow Rate Estimation Mathematical Model for Submerged Rockfill Detention dams. The Forth Iranian Hydraulic Conference, Shiraz, Iran.

International Conference papers: 1- Razzaghmanesh, M., Mohammadi, K. and Samani, J.M.V. 2006, 'A River Quality Simulation Using WASP6: Case Study', 33rd Annual General Conference of the Canadian Society for Civil Engineering, Canada.

- 2- Sarvarian, J., Samani, J. M. V., Aryanfar, A. 2007. "Modeling width adjustment in meandering channels." The 7th International River Eng. Conference, Shahid Chamran Univ., Ahvaz, Iran. (in Persian).
- 3- Riahi Madvar, H., Samani, J. M. V., Ayyoubzade, S. A. 2007. "Discharge coefficient for unsubmerged simultaneous through and over flow in detention rockfill dams." The 7th International River Eng. Conference, Shahid Chamran Univ., Ahvaz, Iran. (in Persian).
- 4- Vaez Tehrani, M., Montaseri, M., and Samani, J. M. V. 2007. "Uncertainty analysis of river sediment with LHS method (Case study: Aland river in Iran)." The 7th International River Eng. Conference, Shahid Chamran Univ., Ahvaz, Iran. (in Persian).
- 5- Razzagmanesh, M., Mohammadi, K. and Samani, J.M.V. 2004. "Groundwater Vulnerability Mapping Using GIS: Application to Chamchamal Plain, Iran". The GQ2004 International Conference, University of Waterloo, Waterloo, Canada.
- 6- Radinejad, A., Samani, J. M. V., and Banihabib, M. E. 2006. "Experimental Study of detention rockfill dams". The 7th International River Eng. Conference, Shahid Chamran Univ., Ahvaz, Iran. (in Persian).
- 7- Riahi Madvar, H., Samani, J. M. V., and Eslami, M. 2006. "Modeling Hydraulic performance of Mole Drains and Combined Mole-pipe Drains ". International Agricultural Engineering conference, Thailand.
- 8- Samani, J. M. V., Homaei, M., and Kouchakzadeha, M. 2004. "A Simple Method for Simultaneous Prediction of Saturated Hydraulic Conductivity and Effective Porosity." Erosoil 2004 Conference, Germany.
- 9- Rahimi, A., Kouchakzadeha, M. Samani, J. M. V., 2004. "Comparison of Split-widow Algorithms for Estimating Land Surface Temperature from AVHRR Data in Oromieh Lake Basin." ISNET, Tehran, Iran.
- 10- Samani, J. M. V., and Mazaheri, M. 2006. "An analytical model for transition zone of velocity distribution in submerger inflexible vegetative channels." The 7th International congress on Civil Engineering ICCE, Tarbiat Modares Univ., Tehran, Iran.
- 11- Ganji Nourozi, Z., Samani, J. M. V., and Morid, S. 2006. "Uncertainty analysis comparison study using MSC and Harr's methods in estimating dam reservoir sedimentation volume (Ekabatan dam case study)." The 7th International congress on Civil Engineering ICCE, Tarbiat Modares Univ., Tehran, Iran. (in Persian).
- 12- Eslami, H., Ghadri, K., and Samani, J. M. V. 2006, 'Auto-calibration of Flood Forecasting Using Shuffled Complex Evolution (SCE) Method.' 73rd Annual Meeting of ICOLD, Iran.
- 13- Samani, J. M. V. and M. shayannejad, 2001. "Hydraulic Simulation of Flow through Rockfill Dams using One Dimensional Model", International Conference on Hydraulic Structures, University of Kerman, Kerman, Iran, 1380 (in Persian).
- 14- Moradinejhad, A., Banihabib, M., and Samani, J. M. V., 2002. "Flood Simulation using Hydraulic Models", The Sixth International RiverEngineering Conference, Shahid Chamran Un., Iran, 1380 (in Persian).

15- Samani, J. M. V. and Kouwen, N. 1995. "Erosion in Vegetative Channel Linings", HYDRAA 2000, vol 1, Thomas Telford, London.

Membership in Academic Societies: 1- Member of Sedimentation Committee (National Water Standards), Min. of Power. 2- Iranian Hydraulic Association. 3- Iranian Water Resources Association. 4- Canadian Engineering Society.

Referee in Journals: 1- JAST, Iran, 2006/04/04. 2- Soil and Water Sciences, Iran, 2001/05/15. 3- Journal of Agricultural Engineering Research, Iran, 2001/05/05. 4- International Journal of Engineering Science & Technology, Iran, 2005/06/05. 5- Journal of Agricultural Sciences and Natural Resources, Gorgan, Iran, 2004/05/04. 6- Journal of Agricultural Sciences and Natural Resources, Tehran, Iran, 2006/10/06. 7- Iran Agricultural Research, Iran, 2007/11/15. 8- Journal of Construction and Research, Iran, 2008/12/15. 9- Water Resources Research, Iran, 2007/11/14. 10- International engineering, Iran, 2001/06/12. 11- Journal of Agricultural Science, Iran, 2009/02/07. 12- Scientific society of Agriculture, Iran, 2004/12/05. 13- Agricultural Sciences and Industries, Iran, 2008/05/09. 14- Academic Journals, USA, 2008/10/11.

Referee in Conferences: 1- 1th Iranian Hydraulic Conference, Iranian Hydraulic Association, 1997. 2- 2th Iranian Hydraulic Conference, Iranian Hydraulic Association, 1999. 3- 3th Iranian Hydraulic Conference, Iranian Hydraulic Association, 2001. 4- 6th Seminar on International River Engineering, Shahid Chamran University, Ahwaz, 2002. 5- 4th Iranian Hydraulic Conference, Iranian Hydraulic Association, 2003. 6- 1th Conference of Water Resources Management, Iranian Water Resources Association, 2004. 7- 7th International congress on Civil Engineering ICCE, Ministry of Science, 2006. 8- National Conference on Irrigation and Drainage Management, Shahid Chamran University, Ahwaz, 2006. 9- 5th Iranian Hydraulic Conference, Iranian Hydraulic Association, 2005. 10- 6th Iranian Hydraulic Conference, Iranian Hydraulic Association, 2007. 11- 7th International Seminar on River Engineering, Chamran University Ahvaz, 2006. 12- 2th Iran Water Resources Management Conference, Iranian Water Resources Association, 2006. 13- 7th Iranian Hydraulic Conference, Iranian Hydraulic Association, 2008. 14- The 8th International congress on Civil Engineering ICCE, Ministry of Science, 2009.

Theses and dissertations under supervision/consultation:

- 1- Zahra Eizadpanah, 1997. Sedimentation in Intake Structures, under supervision.
- 2- Mohammad Karimi, 1998. Investigation of effective factors affecting Ditch erosion and introducing appropriate ways in its controlling in Zahen Ghaen region, under supervision.
- 3- Ali Asghar Farhadi, 1998. Evaluate the effect of sedimentation and watershed management in the life of Ekbatan Dam, under supervision.
- 4- Parviz Fathi, 1999. Determine the hydraulic conductivity coefficient and effective porosity using optimization, under supervision.
- 5- Mahammad Shayannejad, 2000. Study of flow Hydraulic in rockfill dams and its application in flood control, under supervision.
- 6- Majid Heydari, 2000. One-dimensional mathematical model of flood routing in multiple reservoir detention rockfill dams, under supervision.

- 7- Kiumars Mohammadi Ali, 2001. Study of regime relations and geometric dimensions and longitudinal slope of rivers, under supervision.
- 8- Abdol Ali Vahidi Majd, 2001. Simulation model of sediment loads using Harteli Model and flow's hydrological routing, under supervision.
- 9- Alireza Emadi, 2001. One-dimensional simulation of non-cohesive sediments in detention rockfill dams, under supervision.
- 10- Korosh Ghaderi, 2002. Flood routing from inside of detention rockfill dams in submerge condition, under supervision.
- 11- Abbas Solimani, 2003. Uncertainty analysis of physical parameters in rockfill dams and its application in flood routing, under supervision.
- 12- Behzad Kalagar Naftjali, 2004. Comparison of flood routing mathematical model in reservoir of multiple detention rockfill dams with experimental data, under supervision.
- 13- Reza Ghara Khani, 2003. Study of hydraulic and flow discharge in channel with vegetation cover in submerged and nonsubmerged conditions.
- 14- Saeed Gohari Asadi, 2004. The effect of suspended load on discharge coefficient of side weirs in rectangular channels, under consultation.
- 15- Rozbe Aghamajidi, 2004. Simulation of one-dimensional flashing sediment in dam reservoirs, under supervision.
- 16- Reza Farshad, 2004. Mathematical model of flow under and above of gate in submerged condition, under supervision.
- 17- Fardin Nasiri Moghadam, 2004. Evaluating watershed operations on settled floods using hydrological models, under consultation.
- 18- Yaser Hassan Pur, 2004. Experimental study on effect of trough line length of dam reservoirs on muddy stream discharge, under consultation.
- 19- Mehdi Meftah Halghi, 2005. Transport modeling of small cohesive sediments in rivers, under consultation.
- 20- Ali Rahimi Khub, 2005. Reference Evapotranspiration determination in local scale using NOAA-AVHRR images, Case study: Oroumieh Lake, under consultation.
- 21- Parviz Fathi, 2005. One and two dimensional simulation unsteady flow around drainages and determine hydraulic characteristic of soil using inverse problem, under supervision.
- 22- Roshanak Maleki, 2005. Comparing operation of WASP6 and MIKE11 in simulation of river water quality problems.
- 23- Farzad Pasyar, 2005. Definition and quantification of drainage channel operation indices using hydrodynamic models, under consultation.
- 24- Mehdi Mazaheri, 2006. Artificial neural network application in flood hydrograph routing

inside rockfill dams and determination of basin output hydrograph, under supervision.

25- Zahra Ganji Norozi, 2006. Uncertainty in dam reservoir sedimentation, under supervision.

26- Hossein Riahi Madvar, 2006. Study of discharge through and over flow in rockfill dams using dimensional analysis, under supervision.

27- Farzad Hassan Pur, 2006. Operation study of side intakes in present of submerged and combined plates, under consultation.

28- Seyede Leila Razavi Tusi, 2006. Evaluating water transition project between projects using fuzzy method, Case study: Karoon River, under supervision.

29- Neda Posti Zadeh, 2006. River flow prediction using fuzzy deductive system, under supervision.

30- Zahra Safaie Pur, 2006. Uniform flow mathematical model with cohesive sediment, under supervision.

31- Babak Razdar, 2006. Simulation of Nitrate and phosphate parameters in Pesian River using CE-QUAL-W2 Model, under consultation.

32- Majid Heydari, 2007. Two-dimensional model of flow under and over rockfill dams and its application in flood control, under supervision.

33- Javad Sarvarian, 2007. Simulation and parametric analysis of hydraulic flashing of reservoir sediments of Sefidrood Dam using mathematical model, under supervision.

34- Mehdi Eslami, 2007. Flow modeling in Mazandaran coastal aquifer using artificial neural network model, under supervision.

35- Korosh Ghaderi, 2007. Complex artificial systems in managing and operating multi-objective reservoir, under supervision.

36- Maryam Shahbazi, 2007. Applying genetic algorithm in inverse problem of optimum roughness of old pipe in pressure systems, under supervision.

37- Mohammad Mehdi Ahmadi, 2008. Tree-dimensional mathematical model of suspended sediment transport using two-dimensional hydrodynamical model and visual method in river sinus meanderings, under consultation.

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Executive responsibilities: 1- Head of Water Structure Group (1999/03/21 to 2006/05/05).

2- Deputy Education Faculty of Agriculture (2006/05/06 to 2009/00/00).

3- University General Education Manager (2009/00/00 to now)

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