

I. Research Interests

- Drought
- Climate change
- Integrated Water Resources Systems Model
- Geographical Information System and Remote Sensing

II. Published Books

Morid S., Massah AR., Agha Alikhani M. and Mohammadi K. (2004) Chapter 6: Maintaining Sustainable Agriculture under Climate Change: Zayandeh Rud Basin (Iran). Book of Climate Change in Contrasting River basins (Adaptation Strategies for Water, Food and Environment). CABI Publishing.

Morid S. and Farokhnia A. (2010) Chapter 15: Application of Artificial Neural Networks and Neuro-Fuzzy Techniques for Streamflows Forecasting: Accuracy and Uncertainty. Hand Book of Environmental Research, Nova Science Publisher, Inc.

Drought Management Guidelines (MEDROPLAN) Editors: Iglesias A, Cancelliere A, Gabiña D, López-Francos A, Moneo M and Rossi G (2006) (Translation to Farsi in 2012)

Morid S. and Hosseini Safa H. (2013) Glaciers and their Environmental Changes; Iran and the World, Water Research Institute, Iranian Ministry of Energy. In Press.

III. Journal Papers (International)

Morid S., Gosain A.K. and Keshari A.K. (2001) Challenges in snowmelt-runoff simulation. Physics of Space and Earth, 27(2): 11-20.

- Morid S., Gosain A.K. and Keshari A.K. (2002) Solar radiation estimation using temperature based, stochastic and artificial neural networks approaches, *Nordic Hydrology*, 33(4): 291-304
- Morid S., Gosain A.K. and Keshari A.K. (2003) Response of different snowmelt algorithm to synthesized data for runoff simulation, *Physics of Space and Earth*, 30(1): 1-9
- Morid S., Smakhtin V. and Moghaddasi M. (2005) Comparison of seven meteorological indices for drought monitoring in Iran. *International Journal of Climatology*.26:971-985.
- Moghaddasi M., Morid S., Byun, H. R., Ghaemi H. and Samani L.M. (2006) Drought monitoring using deciles index, standardized precipitation index and effective drought index in Tehran Province, Iran, *Iran Agriculture Research*, 23(1):
- Morid S., Smakhtin V. and Bagherzadeh K. (2007) Drought forecasting using artificial neural networks and time series of drought indices, *International Journal of Climatology*, (Accepted) Published Online 25 Apr 2007.
- Byun H. R., Lee S. J., Morid S., Chio K. S., Lee, S. M. and Kim D.,W. (2008) Study on the periodicities of droughts in Korea. *Asia-Pacific Journal of Atmospheric Sciences*. 44, 4, 417-441.
- Akhtari R., Morid S., Mahdian M. H. and Smakhtin V. (2009) Assessment of areal interpolation methods for spatial of SPI and EDI drought indices. *International Journal of Climatology*. 29:135-145.
- Moghaddasi M., Araghinejad Sh. and Morid S. (2009) Long-Term operation of irrigation dams considering variable demands: Case study of Zayandeh-rud reservoir, Iran. *Journal of Irrigation and Drainage Engineering (ASCE)* Volume 136, Issue 5, pp. 309-316.
- Morid S. and Massah Bavani AR. (2009) Exploration of potential adaptation strategies to climate change in the Zayandeh Rud irrigation system, Iran. *Irrigation and Drainage*. Volume 59, Issue 2, pages 226–238.
- Talebizadeh M, Morid S, Ayyoubzadeh SA, Ghasemzadeh M (2010) Uncertainty analysis in sediment load modeling using ANN and SWAT model, *Water Resources Management*. 24: 1747–1761.
- Farokhnia A., Morid S. and Byun H. (2010) Application of global SST and SLP data for Drought forecasting on Tehran plain using data mining and ANFIS techniques. *Journal of Theoretical and Applied Climatology*. Volume 104, Issue 1-2, pp. 71-81.
- Bagheri A., Darijani M., Askari A. and Morid S. (2010) Crisis in Urban water systems during the reconstruction period: A system dynamic analysis of alternative policies after the 2003 earthquake in Bam-Iran. *Journal of water resources management*, 24: 2567- 2596.
- Moghaddasi M., Morid S., Araghinejad Sh. and Agha Alikhani M. (2010) Assessment Of Irrigation Water Allocation Based on Optimization and Equitable Water Reduction Approaches to Reduce Agricultural Drought Losses: The 1999 Drought In The Zayandeh Rud Irrigation System (Iran). *Journal of Irrigation and Drainage* 59: 377-387.
- Hosseini Safa H., Morid S. and Moghadasi M. (2012) Incorporating Economy and Long-term Inflow Forecasting Uncertainty into Decision-Making for Agricultural Water Allocation during Droughts. *Journal of Water Resources Management*, 2012, Volume 26, Number 8, Pages 2267-2281
- Delavar M. Moghadasi M. and Morid S. (2012) Real-time model for optional water allocation in

irrigation systems during droughts. *Journal of Irrigation and Drainage Engineering*, ASCE, 138(6), 517–524.

Arshad S., Morid S., Mobasheri MR., Agha Alikhanian M. and Arshad SJ. (2012) Monitoring and forecasting drought impact on dryland. *International Journal of Climatology*. 29:135-145.

Jalili Sh., Kirchner I., Livingstone D. M. and Morid S. (2012) The influence of large-scale atmospheric circulation weather types on variations in the water level of lake Urmia, Iran. *International Journal of Climatology*, 32 (13): 1990-1996.

Anvari S, Saghaian B., Morid S. (2012) Effect of SOI and spatial climatic data on ANN, ANFIS and K-NN models in the stream flow forecasts. *Expert Systems Journal*, DOI: 10.1111/exsy.12009.

Moghaddasi M., Araghinejad Sh. and Morid S. (2013) Water Management of Irrigation Dams Considering Climate Variation: Case Study of Zayandeh-rud Reservoir, Iran. *Journal of Water Resources Management* 27:1651–1660.

Ghashghaei M., Bagheri A., and Morid S.I (2013) Rainfall-runoff modeling in a watershed scale using an object oriented approach based on the concepts of System Dynamics, Accepted for *Journal of Water Resources Management*

IV. Journal Papers (National)

Mirabolghasemi H. and Morid S. (1995) Assessment of hydrological methods for estimation of river suspended load. *Journal of Water and Technology (Iran)*, 3 (3): 54-67.

Ghaemi H. Morid S. and Shams A (1996) Flood susceptibility for the subbasin of Karkheh, *Journal of Neyvar*, Meteorological Organization of Iran, 30: 10-27.

Morid S. and Ghaemi H. (1996) Parameters estimation of Wakeby distribution using probability weighted moments and its application in Karkheh basin, *Journal of Geographical Research (Iran)*, 42: 134-149.

Morid S., Ghaemi H. and Mirabolghasemi H. (1997) Rainfall-runoff simulation a necessity for water resources planning and management, *Journal on Neyvar*, Meteorological Organization of Iran, 34: 7-14.

Morid S., Ghaemi H., and Mirabolghasemi H. (2000) Rainfall-runoff simulation in Darban and Globdareh basins. *Research Journal of Earth and Space Physics*. Geophysics Institute. University of Tehran. 26 (2): 71-84.

Akbari M., Morlatifi M., Morid S. and Droogerz P. (2003) Estimation of water productivity in an irrigation scheme by remote sensing (A case study in Abshar Right Bank irrigation scheme, Esfahan, Iran). *Journal of Agricultural Engineering Research (Iran)*. 4 (17): 5-82.

Sanaee H., Ansari H., Davari K. and Morid S. (2003) Monitoring and assessment of drought severity in Mashhad. *Journal of Water and Soil Science (Iran)* 2(17): 201-209.

Morid S. and Reazati D. (2003) Comparison of regional flood frequency analysis and rainfall-runoff simulation for the eastern coastal part of the Hormozgan Province. *Journal of Agriculture Sciences and Natural Resources (Gorgan)*, 10 (2): 181-193.

Akhtari R. and Morid S. (2004) Spatial analysis of SPI and EDI indices in Tehran province. *Journal of Water Resources Research (Iran)*, 2(3): 27-38.

Paymozd S. Morid S. and Ghaemi H. (2005) Calculation of PMP for ungauged catchments,

- Journal of Agriculture Sciences and Natural Resources (Iran), 12 (1): 83-92.
- Soltani S. and Morid S. (2005) Comparison of artificial neural networks and Hargrives-Samani methods to estimate solar radiation. Journal of Agricultural Science (Iran). 15 (1): 69-78.
- Massah Bavani AR. and Morid S. (2005) Impacts of climate change on water resources and food production: A case study of Zayandeh-Rud basin. Esfahan. Iran. Journal of Water Resources Research (Iran). 1(1): 40-47.
- Massah Bavani AR. and Morid S. (2005) Impacts of climate change on water resources of Zayandeh-Rud basin (Iran). Journal of Agricultural and Natural Resources (Iran). 9(4):17-28.
- Moghaddasi M., Morid S., Ghaemi H. and Samani M. (2005) Daily drought monitoring in Tehran province. Iranian Journal of Agricultural Science (Iran). 36(1): 51-62.
- Moghaddasi M., Paymozd Sh. and Morid S. (2004) Monitoring of the 1998-2000 drought in Tehran province. using EDI. SPI. DI indices and geographical information system. Journal of Modarres Humanity Science (Iran). 9(1): 197-215.
- Shahkarami N., Morid S. and Rahimi Jamnani MA. (2006) Optimization of cropped area based on forecasted streamflows. Journal of Agricultural Engineering Research (Iran). 7(29):1-18.
- Arshad S., Morid S. and Abolghasemi H. (2007) Assessment of river morphological changes using remote sensing: A case study on Karoun River from Gotvan to Farsyab (1990-2003) Journal of Agricultural and Natural Resources (Iran), 14 (6): 180-196.
- Morid S. and Paymozd Sh. (2007) Comparison of hydrological and meteorological methods in daily drought monitoring (A case study. the 1999-2001 drought in Tehran Province). Journal of Agricultural and Natural Resources (Iran). 11(42): 325-333.
- Paymozed, S., Morid, S. and Ghaemi, H. (2007) Calculation of PMF for ungauged catchments, Scientific Journal of Agriculture, 29(4): 33-44.
- Arshad S., Morid S., Mobasheri MR. and Agha Alikhani M. (2008) Development of agricultural drought vulnerability assessment model for Kermanshah Province using stochastic and intelligent methods. Journal of Agricultural Engineering Research. 9 (3): 1-22.
- Jalili sh., Morid S., Zieaeen Firouz Abadi P. (2008) Comparison between satellite and climatic indices in drought monitoring. Journal of Water and Soil Science (Iran). 1 (39): 139-149.
- Hosseini Safa H. and Morid S. (2008) Probabilistic analysis of spatial-temporal characteristics of droughts in Tehran province. Journal of Agriculture Sciences and Natural Resources (Gorgan). 15 (5): 203-212.
- Delavar M, Morid S. and Shafifar M. (2008) Risk assessment of Urmiya level and climate change impact on it. Iranian Journal of Hydraulics. 3 (1): 45-56.
- Delavar M., Morid S. and Shafifar M. (2008) Risk assessment of the Urmiya Lake fluctuations and climate change impact on it. Journal of Agricultural Sciences of Iran. 2 (39): 379-388.
- Shahkarami N., Masah Bovani E., Morid S. and Fahmi H. (2008) Assessing the Impact of AOGCM models uncertainty on the risk of agricultural water demand caused by climate change in Zayandeh-Rud irrigation networks. Iranian Journal of Irrigation and Drainage. 2 (2): 1-18.
- Moghaddasi M., Morid S. and Araghinejad Sh. (2008) Comparison of optimization approaches Non-Linear Programming (NLP). Genetic Algorithm (GA) and Particle Swarm Optimization

- (PSO) in water allocation management in drought condition (case study :drought during 1999 to 2001 in Zayandeh-Rud Irrigation). *Water Resources Research Journal (Iran)*. 4 (3): 1-13.
- Ganji Noroozi G. Z., Valisamani J. M. and Morid S. (2008) Uncertainty analysis of reservoir sedimentation. *Water Resources Research Journal (Iran)*, 4 (1): 1-8.
- Farokhnia A. and Morid S. (2009) Uncertainty analysis of nero-fuzzy and neural network model in streamflow forecasting. *Water Resources Research Journal (Iran)*, 5(3): 14-27.
- Anvari S., Morid S. and Saghafian B. (2010) Comparison of Fuzzy and ANN models performance for monthly flow forecast using short time data. *Iranian Journal of Irrigation science and Engineering*. Fall 2010, 33(1): 113-120.
- Dehghani M., Morid S. and Norouzi A. A. (2010) Assessment of runoff simulation in snowbound catchments, using SRM and ANNs models to estimate hydropower in data scarcity situation. *Iran-Water Resources Research Journal*, fall 2010, 6(3): 12-24.
- Massah Bavani AR., Morid S. and Mohamad Zadeh M. (2010) Evaluating different AOGCMs and downscaling procedures in climate change local impact assessment studies. *Research Journal of Earth and Space Physics*. 36(4): 99-110.
- Mirzaie NF., Morid S. and Arshad S. (2010) Agriculture drought risk in the Kermanshah's cities. *Journal of Agricultural Engineering Research (Iran)*. fall 2010. 11(3): 1-14.
- Morid S. and Moghaddasi M. (2010) Review of indicators and triggers and their development for drought plans. *Iran-water Resources Research Journal*. Spring 2010. 6 (1): 71-75.
- Omidi M., Mohammadzadeh M. and Morid S. (2010) Probabilistic analysis of spatial-temporal characteristics of drought in Tehran province using Copula functions. *Journal of Water and Soil Science (Iran)*, 41 (1): 95-101.
- Hosseini Safa H., Morid S. and Moghaddasi M. (2011) Evaluation of Fuzzy Rule Generation Methods for Reservoir Operation. *Iran-Water Resources Research Journal*. Winter and spring 2011. 7(1): 13-25.
- Zare Zadeh M. M. and Morid S. (2011) Application of reservoir level and meteorological indices for drought monitoring (A case study: The Zayandeh-Rud Water System). *Journal of Water and Soil Science (Iran)*. 42 (1): 26-19.
- Jalili Sh., Morid S., Banakar A. and Ghanbari R. (2011) Assessing effect of NAO and SOI on variation of time series of Lake Urmia water level using spectral analysis. *Journal of Water and Soil Science (Iran)*. 25 (1): 140-149.
- Gholam Zadeh M., Morid S. and Delavar M. (2011) Application of drought early warning system for operation of Zayandeh-Rud reservoir. *Journal of Water and Soil Science (Iran)*. 15(56): 35-48.
- Anvari S. and Morid S. (2011) Stream flow forecast using ANN models and investigation of models' performance by SOI inputs. *Iranian Journal of Water and Soil Conservation Research*. 1390 (1): 163-180.
- Paymozd S., Morid S. and Moghadasi M. (2011) Comparison of non-linear optimization a system dynamics approach for agriculture water allocation (A case study: Zayandeh-Rud basin). *Iranian Journal of Irrigation and Drainage*. Iran, Spring 2011; 4(1):44-52.
- Jeirani F., Morid S. and Moridi A. (2011) Impact of DEM cell size on calibration and predictions

- of runoff and sediment using SWAT-CUP. *Journal of Water and Soil Conservation Research*, 2011(4):81-101.
- Delavar M., Morid S. and Moghadasi M. (2012) Crop production function and irrigation water allocation using old and new FAO methods in Zayandeh Rud irrigation system. *Journal of Agricultural Engineering Research*, Summer 2012, 13 (2): 1-20.
- Delavar M., Morid S. and Nikbahkt, N. (2012) Distributed snowmelt simulation in ungauged mountainous catchments, case study: Imamzadeh Davood chatchment. *Iran-water Resources Research Journal*, 7 (4): 41-50.
- Morid S. and Hosseini Safa H. (2012) The Role of Iran's Glaciers on River Flows and a Rough Estimate of Their Volumes. Accepted in *Journal of Geographical Research (Iran)*.
- Jalili sh., Morid S., Lingestone D. and Namdar Ghanbari R. (2012) Comparison and time series analysis of water level of Lake Urmia and Lake Van. *Journal of Iran Soil and Water Research*. 43 (4): 41-50.
- Zare Zadeh M., Morid S., Salavitarab A and Madani K. (2012) Evaluating the Impacts of Climate Change and New Developments on Water Scarcity in Iran's Qezelozan-Sefidrood River Basin. *Journal of Irrigation and Drainage* 6(3): 93-104.
- Jalili Sh., Morid S., Banakar A. and Ghanbari R. (2012) Spectral analysis of periodic behavior of Lake Urmia water level time series *Journal of Water and Soil Conservation Research*. 19(4):151-168.
- Bagheri M. H., Arshad S., Majnooni A. and Morid S. (2012) Comparison of single-source and two-source operational remote sensing-based fluxes energy models to estimate actual evapotranspiration in Tabriz Plain. *Iranian Journal of Remote Sensing and GIS*. 13:81-96.
- Fathian F. and Morid S. (2013) Assessment of trend in hydrological and meteorological variables in Urmia lake basin using nonparametric methods. *Journal of Water and Soil Conservation Research*, 43(3): 259-269.
- Bagheri M. H. and Morid S. (2013) Comparison of WEAP and MIKE BASIN models in water resources allocation, case study: Talvar River. *Journal of Water and Soil Conservation Research*. 20(1):151-168.
- Anvari S., Mousavi S.J., Morid S. (2013) Comparison of DP, SDP and SSDP models for optimum operation of multi-purpose reservoirs, Accepted for *Journal of Iran Water Research*.
- Farokhnia A. and Morid S. (2013) Evaluation of capability of GRACE and GLDAS data for estimation of water budget at large scale spatial analysis (A case study for Lake Urmia Basin). Accepted for *Iran-water Resources Research Journal*.
- Farokhnia A. and Morid S. (2013) Impact assessment of rainfall and temperature changes on river flows of Lake Urmia Basin. Accepted for *Journal of Water and Sewerage*.
- Delavar M., Moghadasi M. and Morid S. and (2013) Developing a Risk Based Optimization - Simulation Water Allocation Model using Conditional Value at Risk (Cvar), Case Study: Zayandeh Rood Irrigation Networks. Accepted for *Iran-water Resources Research Journal*.

V. LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS

International:

- Morid S., Ghaemi H., Mir-Abolghasemi H. and Abedi M. (1999) Assessment of the HEC-1 model for flood forecasting in the Hormozgan Province, Proceeding: NWHHRAS-99, National Institute of Hydrology, Roorkee, India: 28-37.
- Morid S., Gosain AK. and Keshari AK. (2000) An algorithm for monitoring snow water equivalent in un-gauged catchments using GIS: Proceeding of Conference on Integrated Water Resources Management for Sustainable Development, 19-21 December, New Delhi, India: 1181-1190.
- Morid S., Gosain AK. and Keshari AK. (2002) Comparison of the SWAT model and ANN for daily simulation of runoff in snowbound engaged catchments. Proceeding of Conference on Hydro informatics, 1-5 July, Cardiff, UK.
- Morid S. and Massah AR. (2004) Modeling Zayandeh-Rud basin under climate change. Proceeding of Conference on Hydrology: Science and practice for the 21st century London. UK.
- Bagherzadeh K., Morid S. and Ghaemi H. (2005) Evaluation of Meteorological Signals for Drought Forecasting, using Regression methods and Artificial Neural Networks. The first Iran-Korea joint workshop on Climate Modeling. 16-17 November. Mashad. Iran.
- Morid S., Shahkarami N. and Rahimi Jamnani MA. (2006) Optimization of cropped area based on forecasted streamflows. International conference on Integrated Water Resources Management. 26-28 September 2006. Bochum. Germany.
- Morid S., Shahkarami N. and Rahimi J. M. (2006) Optimization of cropped area based on forecast streamflow (a case study: Soofichay irrigation systems). Reducing the Vulnerability of Societies to Water Related Risk at the Basin Scale. Bochum (Germany). 26-28 September 2006.
- Farokhnia A., Anvari S. and Morid S. (2007) Comparison of artificial neural networks and neuro-fuzzy computing techniques for mid-term river flows forecasts. International conference on River 07. 6-8 June 2007. Sarawak. Malaysia.
- Arshad S., Morid S., Mobasheri MR. and Agha Alikhani M. (2008) Development of agricultural drought risk assessment model for Kermanshah Province (Iran). using satellite data and intelligent methods. First International conference on River. Zaragoza (Spain). 4-8 February 2008.
- Moghaddasi M., Morid S., Araghinejad S. and Aghaalikhani M. (2008) Comparison of allocated water based on reduction methods in Zarandeh Rud irrigation systems (Iran) during the 1999 drought. First International conference on River. Zaragoza (Spain). 4-8 February 2008.
- Elmahdi M., Shahkarami N., Morid S. and Massah B. (2009) Assessing the impact of AOGCMs uncertainty on the risk of agricultural water demand caused by climate change. ModSIM Congress Cairns. Australia. 13 July 2009.
- Moghaddasi M., Morid S., Araghinejad Sh. and Byun H. (2009) Reservoir operation during drought. using hedging rules. Proceeding of the Autumn Meeting of KMS. Dego (Korea) 29 October 2009.
- Morid S., Arshad S., Mobasheri MR. and Alikhani M. (2010) Performance of satellite indices to

assess agricultural drought risk. British Hydrological Society. BHS Third International Symposium. Role of Hydrology in Managing Consequences of a Changing Global Environment. 19-23 July 2010. Newcastle University. Newcastle upon Tyne. United Kingdom.

Morid S., Hosseini Safa H. and Moghadas M. (2010) Incorporating economical issues and uncertainties of long-term inflow forecast for decision making on agricultural water allocation during droughts. Second International Conference on Drought Management. Istanbul. Turkey. 4-6 March 2010.

Anvari S., Saghaian B. and Morid S. (2011) Investigation of snow covers data on ANN and ANFIS models for streamflow forecasts. VI International Symposium - EWRA 2011. 29th June to 2nd July. Water Engineering and Management in a Changing Environment. Catania. Italy.

Moghaddasi M., Araghinejad S. and Morid S. (2011) Water management of irrigation dams considering climate variation: case study of Zayandeh-Rud reservoir. Iran. VI International Symposium - EWRA 2011. 29th June to 2nd July. Water Engineering and Management in a Changing Environment. Catania. Italy.

VI. LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS

National:

Ghaemi H. and Morid S. (1994) Snow melt simulation in Damavand basin. Ice and Snow Hydrology Seminar, Urmia, 85-101.

Mirabolghasemi H. and Morid S. (1995) Evaluation of flood susceptibility and its effective factors in Karkheh Basin. First National Seminar of Erosion and Sediment, Nour, Iran.

Morid S., Ghaemi H. and Mirabolghasemi H. (1997) Evaluation of HEC1 model for rainfall-runoff simulation in Hormozgan Providence, First Conference on Hydraulic (Iran): 333-346.

Ghaemi H., Mirabolghasemi H. and Morid S. (2001) Application of extreme rainfall for drought planning. Proceeding on First National Conference on Drought Mitigation and Water Shortage. Kerman. Iran, 27-28 Feb: 899-908.

Morid S. (2001) Evaluation of U.S. government performance in coping with drought and the congress viewpoints. In: Proceeding. First National Conference on Water Crisis Mitigation Strategies. Zabol (Iran): 191-200.

Morid S. (2001) Application of expert systems in drought management. In: Proceeding. First National Conference on Water Crisis Mitigation Strategies. Zabol (Iran): 423-442.

Mirabolghasemi H., Morid S. and Ghaemi H. (2001) Integrated drought plans, the lost ring in Iran water resources planning. In: Proceeding. First National Conference on Water Crisis Mitigation Strategies, Zabol (Iran): 443-454.

Soltani S. and Morid S. (2002) Comparison of conceptual and artificial neural network models for rainfall-runoff simulation. 6th International Seminar on River Engineering. Ahvaz.

Rahimi MA., Bagheri H., Morid S. and Nikbakht N. (2004) Real time operation model for

- Alavian Dam. In: Proceeding. First National Conference on Water Resources Management. Tehran. Iran.
- Morid S. and Paymozd Sh. (2004) Comparison of hydrological and meteorological methods in daily drought monitoring. In: Proceeding. First National Conference on Water Resources Management. Tehran. Iran.
- Morid S., Mirabolghasemi H. and Ghaemi H. (2004) Suggested plan for integrated drought management. In: Proceeding. First National Conference on Water Resources Management. Tehran. Iran.
- Morid S. and Moghaddasi M. (2005) Shifting from drought crises management to risk management and our future scopes. In: Proceeding. First International Conference on Integrated Natural Disasters Management. Tehran. Iran.
- Massah AR. and Morid S. (2006) Impacts of climate change on future of Zayandeh-Rud basin under different AOGCM data sets. In: Proceeding. Second National Conference on Water Resources Management. Esfahan. Iran. 22-23 January, 2006.
- Massah AR. and Morid S. (2006) Evaluation of posterior distribution of uncertainty bands due to climate change on probability distribution of runoff, using Baisian approach. In: Proceeding. Second National Conference on Water Resources Management. Esfahan. Iran. 22-23 January, 2006.
- Delavar M. and Morid S. (2006) Simulation and uncertainty analysis of changes in Lake Urmia water level. 7th International Congress on Civil Engineering, May 2006, Tehran, Iran.
- Noroozi Z., Vali Samani J. M. and Morid S. (2006) Comparison of Mont Carlo and Har methods in estimating sediment load uncertainty in dam reservoir (Case study: Ekbatan dam). 7th International Congress on Civil Engineering, May 2006, Tehran, Iran.
- Anvari S., Saghaian B. and Morid S. (2007) Effectiveness of spatial climate data and large climate signals on performance of intelligent models to forecast monthly flows. The 4th National Conference on Watershed Management. 11-13, March 2007. Natural Resources College. Tehran University.
- Darijani M., Bagheri A. and Morid S. (2008) Assessment of vulnerability of Bam urban water system after the 2003 earthquake. The Third International Conference on Integrated Crises Management of Natural Disaster. 17-18, February 2008, Tehran, Iran.
- Shahkarami N., Morid S., Masah Bovani E.. and Fahmi H. (2008) Risk analysis of crops water requirements due to climate change in Zayandeh-Rud irrigation system. Technical Workshop for Impacts of Climate Change on Water Resources Management. 12 February 2008. Tehran.
- Arshad S., Mobasheri MR., Morid S., Aghaalikhani M. and Arshad S. (2008) Forecasting of drought losses in rainfed areas using remote sensed data. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Arshad S, Morid S, Eslami HR and Ahmadi M (2008) Prolongation of MODIS remote sensed data for drought monitoring using AVHRR data. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Anvari S., Saghaian B. and Morid S. (2008) Preferment of intelligent models for streamflow forecast using estimated snow covered area by RS methodes. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.

- Paymozd S., Morid S., Bagheri A. and Morid S. (2008) Optimization of agricultural water allocation using a system dynamics approach. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Delavar M., Morid S. and Nikbakht N. (2008) Introducing an algorithm for distributed simulation of snowmelt in data scarcity situation- A case study in Emamzadeh Davood. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Hosseini Safa H., Morid S. and Moghadasi M. (2008) Role of objective function for reservoir operation under drought condition. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Talebizadeh M. and Morid S. (2008) Calibration and uncertainty analysis of SWAT model using SUFI method for sediment simulation. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Farokhnia A., Morid S. and Ghaemi H. (2008) Data mining on the large scale climate signals for drought forecasting. 3rd Conference on Water Resources Management. University of Tabriz. Tabriz. Iran. 15-17 October 2008.
- Farokhnia A. and Morid S. (2008) Drought severity-duration analysis using Copula function. 4th National Congress on Civil Engineering. University of Tehran. Tehran. Iran. 6-8 May 2008.
- Morid S., Hosseini Safa H. and Moghaddasi M. (2009) Decision making on water allocation in Zayandeh-Rud basin. Second National Conference on Drought Impacts and Management. Esfahan. 20 May. 2009.
- Anvari S., Morid S. and Saghafian B. (2010) Streamflow forecasting using artificial neural networks and fuzzy logics. The 1st Iranian National Conference on applied Research in Water Resources. Kermanshah. Iran. 11-13 May 2010.
- Anvari S., Saghafian B. and Morid S. (2010) Evaluation of SOI in performance of artificial neural networks for streamflows forecasting. 1st Iranian National Conference on applied Research in Water Resources. Kermanshah. Iran. 11-13 May 2010.
- Anvari S., Bagheri A. and Morid S. (2010) Assessment of different conventional techniques in agricultural water allocation and water-pricing. First Iranian national conference on water resources management in coastal land. 18-19 November 2010. University of agricultural science and natural resources, Sari. (T)
- Bagheri Harooni MH. and Morid S. (2011) Comparison and assessment of MIKE BASIN and WEAP in water allocation of river systems. A case study: Talvar River. The 4th Iran Water Resource Management Conference. 3-4 May. 2011. Amirkabir University. Tehran. Iran.
- Shahkarami N., Morid S. and Massah Bovani AR. (2011) Evaluation of climate change impacts and adaptation strategies, emphasizing on IWRM in Zayandeh-Rud basin. The 4th Iran Water Resource Management Conference. 3-4 May. 2011. Amirkabir University. Tehran. Iran.
- Anvari S. and Morid S. (2011) Comparison of current and optimum cropping patterns in Zayandeh-Rud irrigation system using liner and goal programming. The 4th Iran Water Resource Management Conference. 3-4 May. 2011. Amirkabir University. Tehran. Iran.

Arabpour F., Morid S., Soleymani M. and Ghoreyshi AS. (2012) Conservation of wetlands in drought situations, using integrated water resources management (A case study: Urmia Lake basin drought risk management plan. International conference of Urmia lake, challenges and solutions, West Azarbayejan, Urmia, Iran, 8-10 December 2012.

VII. POST GRADUATED STUDENTS

MSc.:

Moghadasi M. (2002) Daily drought assessment and monitoring in Tehran Province.

Paymozd S. (2002) Comparison of statistical and convergence methods for estimation of PMP and its conversion to PMF: A case study on the east of Hormozgan Province.

Soltani S. (2003) Assessment of artificial neural networks for short and mid-term river forecasts.

Akhtari R. (2004) Assessment of geo-statistics methods for surface interpolation of drought indices.

Shahkarami N. (2004) Multi criteria evaluation for indicating cropping pattern and water allocation planning during droughts.

Bagherzadeh K. (2006) Evaluation of meteorological large signals on drought forecasting, using artificial neural networks in Tehran province.

Jalili Sh. (2006) Comparison between satellite and climate indices in drought monitoring. A case study in Tehran Province.

Delavar M. (2006) Evolution and modelling of Urmia Lake fluctuations and risk assessment of its coastal areas.

Dehghani M. (2006) Simulation of streamflows for small hydropower stations in snowbound catchments.

Darjani M. (2008) Use of a system dynamics approach for modelling urban water management after an earthquake considering sustainable development; A case study in Bam City.

Ganji Noroozi, Z. (2006) Evaluation of sediment load uncertainty in dam reservoir, case study: Ekbatan dam.

Anvari S. (2008) Application of ANNs and spatial climate variables to forecasts midterm streamflows.

Farokhia A. (2008) Application of intelligent and statistical methods for drought forecasting.

Talebizadeh M. (2008) Daily sediment load estimation using SWAT Model and ANN; Case Study: Kasilian Watershed.

Hosseini Safa H. (2009) Water allocation modelling in Zayandeh-Rud network, using fuzzy inference approach and economical issues.

Jeirani F. (2010) Simulation of erosion, sediment transport and conservation practices, using SWAT model in Gamasiab Basin, Iran.

- Gholamzadeh M. (2010) A risk-based drought early warning system for Zayandeh-Rud reservoir operation.
- Hashemi A. (2011) Linking drought indicators to policy actions in drought management of Zarineh-Rud water resources.
- Zare Zadeh Mehrizi M. (2011) Water allocation in Ghezel-Ozan basin under climate change using bankrupting in conflict resolution.
- Bagheri M. H. (2012) Assessment of remote sensing technique for estimation of water balance components at basin scale, emphasizing on net groundwater exploitation: A case study in Urmia Lake basin.
- Fathian F. (2012) Trend assessment of land use changes using remote sensing technique and hydro-climatological variables in Urmia Lake basin.
- Ahmahzadeh H. (2012) Assessment of agricultural water productivity using the SWAT: A case study in Zarrinerud basin.
- Ghodousi M. (2012) Impact of rainfall patterns, land use changes and exploitation of Vanyar Dam on hydrology of Ajichai basin and its impact on Lake Urmia.
- Zamani M. (2012) Climate change adaptation strategies at basin scale using SWAT model: A case study in Simine Rud Basin
- Abasi A. (2013) Management of agriculture water demand during drought condition, emphasizing on meeting Lake Urmia water right

PhD:

- Massah Bavani AR. (2006) Risk assessment of climate change and its impact on water resources. A case study in Zayandeh-Rud Basin.
- Arshad S. (2008) Agricultural Drought Risk Assessment using Satellite Data: Development of Operational Model for Kermanshah Province.
- Moghaddasi M. (2009) Comparison of optimization and simulation approaches for drought mitigation plans.
- Shahkarami N. (2009) Adaptation strategies to climate change impacts, emphasizing on integrated water resources management.
- Paymozd S. (2010) Inter-state water allocation in a common basin, emphasizing on water conflict resolution: A case study, Qezel Ozan- Sefied Rud River, Iran.
- Jalili Sh. (2010) Spectral analysis of Urmia Lake level time series and impact of hydro-climate variables on it.
- Delavar M. (2012) Design of risk- based drought management decision support system.

VIII. RESEARCH PROJECT (National and International)

- Developing of Tehran Drought Monitoring system (2001) Iranian Ministry of Energy.
- Adaptation Strategies to Climate Change in the Zayandeh-Rud Basin (2001) Institute for Environment Studies, funded by the Netherlands government.
- Documentation of the Iranian Water Authorities Responses to Cope with Drought (2003)

Iranian Ministry of Energy.

Drought Assessment and Mitigation in Southwest Asia (2004) International Water Management Institute, funded by USAID.

Risk Analysis of Climate Change Impacts on Water Resources of Zayandeh-Rud Basin (2005) Iranian Ministry of Energy.

Developing Drought Index Package (DIP) (2005) Iranian Ministry of Energy

National Strategy and Action Plan on Drought Preparedness. Management and Mitigation in the Agricultural Sector (2006) FAO and Iranian Ministry of Jihad-Agriculture

Regionalization and Monitoring of Drought in Tehran Province (2007) Iranian Ministry of Agriculture

Developing Drought Index Package with Map Drawing Capability (DIP-MAP) (2007) Iranian Ministry of Agriculture

Challenge Program on Water and Food (2008) International Center for Agricultural Research in Dry Area, funded by the World Bank.

Drought Risk Management of Lake Urmia Basin (2012) Conservation of Iranian Wetland Project and UNDP.

Optimum Design of Hydro-climate Stations in Khozestan Province (2012) Iranian Ministry of Energy

X. MEMBERSHIP OF SCIENTIFIC SOCIETIES:

Member of Iranian Society of Water Resources Management

Member of International Association of Hydrological science

Member of editorial board of Journal of Agricultural Engineering Research

Member of editorial board of Journal of Soil and Water Research (University of Tehran)

Member of European Drought Center

Member of International Drought Initiative (UNESCO)