

Saeed Morid (Professor)



Field : Water Resources Management

PhD : Civil

M.Sc. : Hydrology

B.Sc. : Irrigation and Drainage

Address: Department of Water Resources Management
College of Agriculture, Tarbiat Modares University
P.O. Box 14155-336. Tehran. Iran

Tel : +98 21 48292325

Fax: +98 21 48232200

E-mail: morid_sa@modares.ac.ir & s_morid@hotmail.com

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)

Amani S., Shafizadeh-Moghadam H., Morid S. (2024) Utilizing Machine Learning Models with Limited Meteorological Data as Alternatives for the FAO-56PM Model in Estimating Reference Evapotranspiration. Water Resources Management, DOI:10.1007/s11269-023-03670-2

Mahmoodzadeh D., Morid S., Ketabchi H., Safaee A. (2024) Components of conflict and cooperation monitoring in transboundary basins and its implementation in Tigris and Euphrates Basin. Geopolitics Quarterly. (accepted for publication)

- Valipour V., Ketabchi H., Morid S. (2024) Water resources allocation: interactions between equity/justice and allocation strategies. *Water Resources Management* 38 (2), 505-535
- Babaeian F., Delavar M., Morid S., Jamshidi Sh. (2024) Designing climate change dynamic adaptive policy pathways for agricultural water management using a socio-hydrological modeling approach. *Journal of Hydrology* 627, 130398
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- Valipour E., Ketabchi H., Safari Shali R., Morid S. (2023) Equity, social welfare, and economic benefit efficiency in the optimal allocation of coastal groundwater resources *Water Resources Management* 37 (8), 2969-2990
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- Montazeri A., Mazaheri M, Morid S., Mosaddeghi MR.(2023) Effects of upstream activities of Tigris-Euphrates River Basin on water and soil resources of Shatt al-Arab Border River. *Science of The Total Environment* 858, 159751
- Haghjoo R., Choobchian S., Morid S., Abbasi E. (2022) Development and validation of management assessment tools considering water, food, and energy security nexus at the farm level. *Environmental and Sustainability Indicators* 16, 100206
- Ghaedamini HA., Morid S., Nazemosadat MJ., Shamsoddini A., Shafizadeh Moghadam H. (2021) Validation of the CHIRPS and CPC-Unified products for estimating extreme daily precipitation over southwestern Iran. *Theoretical and Applied Climatology* 146, 1207-1225
- Jeyrani F., Morid S., Srinivasan R. (2021) Assessing basin blue–green available water components under different management and climate scenarios using SWAT. *Agricultural Water Management* 256, 107074
- Mianabadi H., Alioghli S., Morid S. (2021) Quantitative evaluation of ‘No-harm’ rule in international transboundary water law in the Helmand River basin. *Journal of Hydrology* 599, 126368
- Babaeian F., Delavar M., Morid S., Srinivasan R. (2021) Robust climate change adaptation pathways in agricultural water management *Agricultural Water Management* 252, 106904
- Shariatzadeh M., Bijani M., Abbasi E., Morid S. (2021) An adaptation capacity model in the face of climate change: A qualitative content analysis. *Journal of Arid Environments* 185, 104326
- Heydari H., Morid S. (2020) Water and agricultural policies in Iranian macro-level documents from the perspective of adaptation to climate change. *Irrigation and Drainage* 69 (5), 1012-1021
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- Basin-Wide Water Accounting Based On Modified Swat Model and Wa+ Framework For Better Policy Making, *Journal Of Hydrology*, 124762
- Mirzaie-Nodoushan F., Morid S, Dehghanisanij H (2020) Reducing Water Footprints Through Healthy And Reasonable Changes in Diet and Imported Products, Sustainable Production And Consumption
- Abedi M., Shafizadeh-Moghadam H., Morid S., Booij MJ., Delavar M. (2020) Evaluation of ECMWF mid-range ensemble forecasts of precipitation for the Karun River basin, *Theoretical and Applied Climatology*, 1-10.
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IV. Journal Papers (National)

Mirzaie-Nodoushan, F. Morid S., Dehghanisanij H. (2023) Assessment of Agricultural Water Consumption and Impact of Increasing Crops Self-Sufficiency Rate on Iran's Negative Water Balance. *J. of Iran-Water Resources Research* . Volume 18, No. 4: pp: 118-133

Morid S., Hashemi F., Arab D., Rajabi Hashjin M. (2022) Required Substrates and Processes for Adaptation to Climate Change in the Official Water Sector Organization of the Iran's Ministry of Energy. *J. of Iran-Water Resources Research*. Volume 18, No. 2, pp: 82-97

Nouri M., Morid S., Karimi N., Gholami H. (2021) Spatial and Temporal Variation of Temperature and Precipitation Trends of Aras Transboundary River Basin. Volume 17, No. 3: pp: 104-117

Delavar M. , Morid S., Goli Raeisi R. (2020) Implementation of the WA+ Water Accounting System at the Basin Level and the Challenges (Lessons Learned From the Case Study of Tashk

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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.
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- 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 Moghadasi 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., Saghafian 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.

Zarezadeh, M., Madani, K., Morid, S. (2012) Resolving transboundary water conflicts: Lessons learned from the Qezelozan-Sefidrood River bankruptcy problem. World Environmental and Water Resources Congress 2012: Crossing Boundaries, Proceedings of the 2012 Congress : 2406-2412

Zarezadeh, M., Morid, S., Salavitarbar, A., Madani, K., Hipel, K.W. (2013) Water allocation under climate change in the Qezelozan-Sefidrood watershed Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics: 2424-2428.

Anvari S. Moghadasi M. Morid S. (2013) Comparison of DP and NLP models performance in optimal operation of Zayandeh-Rud dam during drought period. The 2nd International Conference on Plant, Water, Soil and Weather Modeling, 8, 9 May 2013, Kerman, Iran.

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., Saghafian 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., Saghafian 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 Azarbayegan, Urmia, Iran, 8-10 December 2012.

VII. POST GRADUATED STUDENTS

MSc.:

- Rasouli Harouni R. (2023) An indicator based assessment of water resources management of great Karun basin under effects of development programs and climatic factors
- Shokri V. (2021) Development of an Integrated Flood Simulation and Forecasting System Using Sub-daily and Daily SWAT Model (Case Study: Karkheh Dam Basin)
- Rahsepar M. (2019) Role of stability of Madden-Julian oscillations (MJO) index on pattern and prediction of precipitation in Karkheh basin
- Alioghli S. (2019) Assessment of the Regime and Environmental flow of the Hirmand River Effected by the Operation of Kamal Khan Damm using the capacity of international conventions.
- Raeisi L. (2018) Assessment of Real Water Saving Strategies Considering the Effect on Soil Salinity in Agricultural lands
- Babania F. (2017) A Robust Decision Making Approach for evaluation of adaptation policies to climate change in water resources management
- Taji H. (2014) Application of remote sensed data and developing and assessment of SEBAL model, to estimate water budget components in study regions of Karoun River in Khouzestan province
- Haj Hossaini HR. (2013) Application of SWAT model for Helmand rainfall-runoff simulation using global database
- Haj Hossaini MR. (2013) Assessment of land use/land cover changes trend in Hirmand Basin using remote sensing technique considering political changes
- Abasi A. (2013) Management of agriculture water demand during drought condition, emphasizing on meeting Lake Urmia water right
- 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
- Ahmahzadeh H. (2012) Assessment of agricultural water productivity using the SWAT: A case study in Zarrinerud basin.
- Fathian F. (2012) Trend assessment of land use changes using remote sensing technique and hydro-climatological variables in Urmia Lake basin.
- 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.
- Zare Zadeh Mehrizi M. (2011) Water allocation in Ghezel-Ozan basin under climate change using bankrupting in conflict resolution.
- Hashemi A. (2011) Linking drought indicators to policy actions in drought management of Zarineh-Rud water resources.
- Gholamzadeh M. (2010) A risk-based drought early warning system for Zayandeh-Rud reservoir operation.

- Jeirani F. (2010) Simulation of erosion, sediment transport and conservation practices, using SWAT model in Gamasiab Basin, Iran.
- Hosseini Safa H. (2009) Water allocation modelling in Zayandeh-Rud network, using fuzzy inference approach and Economical issues.
- Talebizadeh M. (2008) Daily sediment load estimation using SWAT Model and ANN; Case Study: Kasilian Watershed.
- 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.
- Darijani M. (2008) Use of a system dynamics approach for modelling urban water management after an earth quick 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.
- Dehghani M. (2006) Simulation of streamflows for small hydropower stations in snowbound catchments.
- 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.
- Bagherzadeh K. (2006) Evaluation of meteorological large signals on drought forecasting, using artificial neural networks in Tehran province.
- Shahkarami N. (2004) Multi criteria evaluation for indicating cropping pattern and water allocation planning during droughts.
- Akhtari R. (2004) Assessment of geo-statistics methods for surface interpolation of drought indices.
- Soltani S. (2003) Assessment of artificial neural networks for short and mid-term river forecasts.
- 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.

PhD:

- Mirzaee Nadoushan F. (2021) Conjunctive Modification of Diet Regime and Agricultural Production Pattern to Reduce Iran's Water Scarcity Footprint
- Farokhnia A. (2015) Role of land use changes and trends of climate variables on hydrology of Lake Urmia Basin
- Delavar M. (2012) Design of risk- based drought management decision support system.
- Jalili Sh. (2010) Spectral analysis of Urmia Lake level time series and impact of hydro-climate variables on it.
- 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.
- Shahkarami N. (2009) Adaptation strategies to climate change impacts, emphasizing on

integrated water resources management.

- Moghaddasi M. (2009) Comparison of optimization and simulation approaches for drought mitigation plans.
- Arshad S. (2008) Agricultural Drought Risk Assessment using Satellite Data: Development of Operational Model for Kermanshah Province.
- Massah Bavani AR. (2006) Risk assessment of climate change and its impact on water resources. A case study in Zayandeh-Rud Basin.

VIII. RESEARCH PROJECT (National and International)

- Editor of the policy paper of Iran water governance, Iran Academy of Sciences (2023-4)
- Editor of the training and human resources report of the special committee of the 2018 floods, presidency (2018)
- The evaluation of climate change adaptation actions and requirements considering the role of parliamentary system (2017) Research Center of Iran Islamic Parliament
- Development of National Strategy for Adaptation to Climate Change in Iran Water Sector (2015) Iranian Ministry of Energy
- Drought Modeling of Lake Urmia Basin (2013) Conservation of Iranian Wetland Project and UNDP.
- Modeling of Partial Restoration of Lake Urmia (2013) Conservation of Iranian Wetland Project and UNDP.
- Optimum Design of Hydro-climate Stations in Khuzestan Province (2012) Iranian Ministry of Energy
- Drought Risk Management of Lake Urmia Basin (2012) Conservation of Iranian Wetland Project and UNDP.
- Challenge Program on Water and Food (2008) International Center for Agricultural Research in Dry Area, funded by the World Bank.
- Developing Drought Index Package with Map Drawing Capability (DIP-MAP) (2007) Iranian Ministry of Agriculture
- Regionalization and Monitoring of Drought in Tehran Province (2007) Iranian Ministry of Agriculture
- National Strategy and Action Plan on Drought Preparedness. Management and Mitigation in the Agricultural Sector (2006) FAO and Iranian Ministry of Jihad-Agriculture
- Developing Drought Index Package (DIP) (2005) Iranian Ministry of Energy
- Risk Analysis of Climate Change Impacts on Water Resources of Zayandeh-Rud Basin (2005) Iranian Ministry of Energy.
- Investigate the morphological changes of the Karun River using remote sensing (2004) University Research Project, Tarbiat Modarres, Tehran, Iran
- Drought Assessment and Mitigation in Southwest Asia (2004) International Water Management Institute, funded by USAID.

Documentation of the Iranian Water Authorities Responses to Cope with Drought (2003)
Iranian Ministry of Energy.

Adaptation Strategies to Climate Change in the Zayandeh-Rud Basin (2001) Institute for
Environment Studies, funded by the Netherlands government.

Developing of Tehran Drought Monitoring system (2001) 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)