Ali Bagheri - Curriculum Vitae

PERSONAL DETAILS

Name: Ali Bagheri

Current Employment: Associate Professor at Tarbiat Modares University, Iran

Gender: Male

Date of Birth: January 20, 1971

Nationality: Iranian

Language: Persian (Mother tongue)
English (Fluent)
German (Good)
Arabic (Basic)

Marital Status: Married

Children: Two

CONTACT ADDRESS

Office:

Mailing address: Department of Water Resources Engineering, Faculty of Agriculture, Tarbiat Modares University, P.O. Box: 14115-336, Tehran, IRAN.

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EDUCATION

PhD (2006): Department of Water Resources Engineering, Lund Institute of Technology – Lund University, Sweden.
Thesis: *Sustainable development: Implementation in urban water systems.*
Supervisor: Peder Hjörth (PhD)

MSc (1998): Department of Civil Engineering – Water Resources Engineering, Sharif University of Technology, Iran.
Thesis: *Reservoir real-time operation based on neural network forecasting.*
Supervisors: Masoud Tajrishi (PhD) & Naser Sadati (PhD)

BSc (1994): Department of Civil Engineering, Sharif University of Technology, Iran.

TEACHING & ACADEMIC EXPERIENCES

- Associate Prof. (July 2016 till now), Department of Water Resources Engineering, Tarbiat Modares University, Tehran, Iran.

- Assistant Prof. (July, 2007 till July 2016), Department of Water Resources Engineering, Tarbiat Modares University, Tehran, Iran.

- **Graduate Courses Taught:**
  Water Resources Engineering, Water Resources System Dynamics, Water Resources System Analysis, Hydro-economics, Systems Theory, Research Methods, Academic Writing

- **Under-graduate Courses Taught:**
  Engineering Hydrology, Environmental Engineering

• Head of Water Resources Engineering & Hydraulic Structures Department, Tarbiat Modares University, Tehran, Iran (March 2010 – November 2013).

• Secretary of National Committee on Revision of Water Educational Programs in the Higher Education of Iran, Iranian Ministry of Science, Research, and Technology (May, 2010 – May, 2016).

RESEARCH INTERESTS

Sustainable development, Systems dynamics, Social learning, Water and Land resources Planning and management, Hydro-economics, Water and environmental governance, Water conflicts.

RESEARCH PROJECTS

1- Development of a water accounting framework in a basin scale – Case study: The system of water accounting in Mashad Plain (2014-2015)
Client: Iranian Ministry of Energy – Khorasan Razavi Water Authority.

2- Institutional analysis of adaptive capacity to climate change in the system of water resources of Tashk-Bakhtegan Basin (2016 on going)
Client: Iranian Ministry of Energy – Deputy of Water Affairs

3- The system of governance and public participation in the ICZM plan of Hormozgan Province (2017 on going)
Client: Ports & Maritime Organization of Iran – Deputy Directorate for Engineering & Infrastructural Affairs Development, Directorate General for Coastal and Port Engineering.

TECHNICAL & ENGINEERING EXPERIENCES

• Member of Managerial Board of Mahsab Shargh Consultant Eng. Co., Tehran, Iran (March 2014 – November 2015)

• Member of Managerial Board of Water and Environmental Department, TNA Consultant Engineering Co., Tehran, Iran (2011 - 2014).

• Member of steering committee for preparation of the “Inter-basin water transfer” regulations. (2013-2014), Iranian Environmental Protection Organization.

• Advisor to National Water Master Plan of Iran (2009 – 2010), Iranian Ministry of Energy. Job description: Leading synthesis studies.

• Project Manager (2006 – 2007), AZMA Consultant Engineering Co., Tehran, Iran. Job description: Environmental Management Plan for Kish Island, Iran,

- Project Manager (2001 – 2004), Tarhe e Now Andishan Consultant Engineering Co., Tehran, Iran.

Job description: Enhancement of Iranian Fishing Ports, Iranian Commercial Ports Master Plan (Privatization and Port Management modules)

- Water resources engineer (1996 – 2001), Sazeh Pardazi Iran Consultant Engineering Co., Tehran, Iran.

Job description: Hydrological studies in water and hydro-plant projects

WORKSHOPS HELD

1. Ecosystem based management of wetlands and lakes focusing on the issues of Lake Zrêbar (Zrêwar), Sanandaj. April 19, 2016, The 6th National Conference on Water Resources Management of Iran, University of Kurdistan, Sanandaj, Iran.
2. Water governance emphasizing on groundwater resources: Social change, Adaptive management. March 4, 2015, Tarbiat Modares University, Tehran, Iran.
3. Integrated Water Resources Management (IWRM), October 5–20, 2015, Water Resources Management Company of Iran, Ministry of Energy, Tehran, Iran.
4. Water Accounting, January 21, 2014, Khorasan Razavi Water Authority, Mashad, Iran.
5. Water Resources Strategic Planning, May 22, 2012, Tarbiat Modares University, Tehran, Iran.
6. Water Resources Strategic Planning, July 10, 2012, Tarbiat Modares University, Tehran, Iran.
7. Water Accounting, May 28, 2013, Tarbiat Modares University, Tehran, Iran.
8. Integrated Water Resources Management, June 21, 2010 – January 19, 2011, Tarbiat Modares University, Tehran, Iran.

SHORT COURSES TAKEN

4- Iran Water Laws, Tarbiat Modares University, 20-21 May 2015, Tehran, Iran.

5- Water Law, The Iranian Association for United Nations Studies (IAUNS) and the Center for International Legal Affairs of Iran's Presidency (CILA), 17-19 February 2015, Tehran, Iran.

6- Introduction to the scientific methodology, Faculty of Human Sciences, Tarbiat Modares University, 11 and 18 January 2015, Tehran, Iran.

7- Introduction to the schools of methodology, Faculty of Human Sciences, Tarbiat Modares University, 14 and 28 December 2014, Tehran, Iran.

8- Spoken Technical Communication, Lunds Tekniska Högskola, Lund University, Spring 2005, Lund, Sweden.

9- Information Management and Reading Skills, Lunds Tekniska Högskola, Lund University, Autumn 2004, Lund, Sweden.

10- Introduction to Teaching in Higher Education, Lunds Tekniska Högskola, Lund University, 18 October – 18 November 2004, Lund, Sweden.

AWARDS

Scholarship from the Swedish Institute, Sweden, May 1, 2004 – December 31, 2005.

RESEARCH STUDENTS UNDER SUPERVISION

1. Mirnezami, S. Jalal Eddin, Assessing Social-Ecological Resilience of Complex Water Resources Systems. Ph.D. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

2. Goudarzi, Zahra, Local groundwater governance model in Kerman province in order to achieve sustainable development. Zarei, Hamideh, Re-engineering participatory irrigation management (PIM) in Iran with emphasis on the role of agricultural extension. Ph.D. research ongoing, Tarbiat Modares University, Faculty of Agriculture, Department of Agricultural Education and Extension, (Advisor).

3. Benaboura Leila, Evaluation of the water resources management in the context of sustainability. Case study: Water resources management in the city of Chlef, Algeria. Ph.D. research ongoing, Faculty of Architecture and Civil Engineering, Benbouali Hassiba University of Chlef, Chlef, Algeria. (Co-supervisor)

4. Khorsandi Mostafa, A behavioral model to estimate water resources carrying capacity in a basin scale. Ph.D. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

5. Mahdavi, Taghi, Developing 3 Dimension Post Modern Portfolio Theory Approach for Evaluation of Adaptation Strategies to Climate Change Impacts-Case Study: Tashk and Bakhtegan Basin. Ph.D. research ongoing, University of Tehran, Department of Water Resources Engineering, (Co-Supervisor).

6. Ansari, Samin, Assessment of adaptive capacity of water resource system in a basin level versus environmental changes. M.Sc. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

7. Jalali Bourban, Aram, Integrated assessment of system of water resources management in a basin level. M.Sc. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

8. Omidi, Tayebeh, Exploring export-import strategies and priorities of agricultural products based on the concept of virtual water. M.Sc. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

RESEARCH STUDENTS SUPERVISED/ADVISED

PhD:

1. Zarei, Hamideh, (2016). Re-engineering participatory irrigation management (PIM) in Iran with emphasis on the role of agricultural extension. Ph.D. Thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Agricultural Education and Extension, (Advisor).

2. Shahbazbegian, Mohammadreza, (2015). "Analyzing mechanisms governing hydro-political situation in international watershed levels - application in Iran eastern international watersheds ", Ph.D. Thesis, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

3. Farzaneh, Mohammadreza, (2015). Institutional analysis of groundwater resources in the Rafsanjan study area affected by legal mechanisms. Ph.D. thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

4. Samare Hashemi, Marzieh, (2014). Integrated Water Resources Assessment, Ph.D. thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

5. Vaez Tehrani, Mahsa, (2012). Development of a conceptual model for irrigation networks rehabilitation using a system dynamics approach, Ph.D. thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Co-supervisor).

6. Paimozd, Shahla, (2010). "Inter-provincial water allocation in a shared water basin emphasizing on water conflict resolution – Case study: Qezel-Ozan Basin", Ph.D. thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Co-supervisor).

MSc:

7. Ghotbizadeh, Mahsa (2017), Assessment of institutional adaptive capacity of water resource system in a basin level versus environmental changes (Case study: Tashk-Bakhtegan Basin). M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

8. Moghimi Benhangi, Saman (2017), Assessment of Water Institution in National and Local Scales Regarding the Framework of Social Learning. Case Studies: Tashk-Bakhtegan Basin and Rafsanjan Plain. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

9. Davari, Alireza, (2016), Hydraulic Assessment of River Environmnetal Conditions Considering the Dynamics of Water Uses, Case Study: Kor River. M.Sc. Thesis of Hydraulic Structures, Tarbiat Modares University, Department of Hydraulic Structrues, (Supervisor).

10. Bagheri, Mohammad Hosein, (2016). Determination of restoration objectives and associated environmental water requirement in Lake Bakhtegan based on a holistic approach. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

11. Babaeian, Fariba, (2015). Vulnerability Assessment of the socio-economic and water resource system in the Rafsanjan study area to water scarcity based on the water accounting framework. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

12. Ghafouri Fard, Samira, (2015). Integrated water resources system assessment of the Rafsanjan Study area. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

13. Barari, Mohammad Hossein, (2014). Integrated assessment of the Lake Zrêbar (Zrêwar) social-ecological system as a basis for its restoration. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

14. Yousefzadeh Chabok, Masoomeh, (2014). An integrated approach to assess water resources systems using efficiency indicators based on a water accounting framework. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

15. Mohammadi, Hadigheh, (2013). A regional approach to vulnerability analysis of water resources system in Birjand Plain to water scarcity. M.Sc. Thesis of Water Resources Engineering, Birjand University, Faculty of Agriculture, Department of Water Resources Engineering, (Co-Supervisor).

16. Falaki Ilkhchi, Ghasem, (2013). Implementation of a water accounting system in a watershed scale: Case study: Zarinehrud Basin, Iran. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

17. Omranian Khorasani, Hamid, (2013). Derivation of integrated water resources management strategies in Southern Khorasan Province, Iran. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

18. Mohammadpour, Maryam, (2012). Management of Shared Water Resources considering Regulatory Intervention using Game Theory, M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

19. Seydi, Mostafa, (2012). The Presentation of Urban Density Pattern through Using System Dynamics Approach. Case Study: 3rd District of Tehran, M.Sc. thesis, Tarbiat Modares University, Faculty of Arts, Department of Urban Planning, (Advisor).

20. Najafi, Husain, (2012). Game Theory insights into shared water resource management, M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

21. Shabani, Samane, (2012). Rehabilitation of Irrigation Networks Using Process Indicators Based on a System Dynamics Approach. Case Study: Foomanat Irrigation Network, M.Sc. Thesis of Hydraulic Structures Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Advisor).

22. Mahmoudpour Nichalani, Taher, (2012). "Water resources allocation modeling among different economic sectors using Modern Portfolio Theory", M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

23. Tavakoli Nabavi, S. Ehsan,(2011). "Determination of Criteria to monitor Zayandeh-Rud River Basin for sustainability from a water resources management perspective", M.Sc. Thesis of Water Resources Engineering, Department of Civil Engineering, Isfahan University of Technology, (Advisor).

24. Zare, Fateme, (2011). "An integrated physico-socio-economic water resources system modeling in a watershed scale (Case study: Gorganrood Watershed – Iran)", M.Sc. Thesis of Water Resources

Engineering, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

25. Hatam, Akram, (2011). "A system dynamics approach to renewing irrigation networks based on quantification of efficiency functions – Case study: Qazvin irrigation network, Iran", M.Sc. Thesis of Hydraulic Structures Engineering, Tarbiat Modares University, Faculty of Agriculture, (Advisor).

26. Soleimaniha, Saeed, (2011). "Assesing the water resources system in MASHAD Basin using an integrated approach", M.Sc. Thesis of Water Resources Engineering, Department of Civil Engineering, Azad University (Central Tehran Branch), (Supervisor).

27. Arshady, Mohammad, (2010). "A systemic analysis of hydro-energy and agricultural performances regarding their Vulnerabilities to water shortage conditions in the Great Karoon Basin, Iran", M.Sc. research ongoing, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

28. Farrokhi, Maryam, (2010). "A system dynamics modeling for land development. Case study: District 18 in Tehran community", M.Sc. thesis, Tarbiat Modares University, Faculty of Arts, Department of Urban Planning, (Advisor).

29. Hoseini, S. Ahmad, (2010). "A system dynamics approach to derive strategies for water resources sustainable development - case study: water resources development in the Mashhad plain, Iran", M.Sc. thesis, University of Tehran, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

30. Ghashghaei, Maryam, (2009). "Watershed management to control the potential of eutrophication in reservoirs using an Object-Oriented approach – Case study: Karkheh watershed and reservoir", M.Sc. Thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

31. Shahbazbegian, Mohammadreza, (2009). "Evaluation of regional vulnerability to water scarcity – Case study: the Province of Hamedan, Iran", M.Sc. thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).

32. Darijani, Moosa, (2008), "Post-disaster urban water management – Case study: The city of Bam after the Earthquake on 2002", M.Sc. thesis, Tarbiat Modares University, Faculty of Engineering, Civil Engineering Department, (Advisor).

BOOKS / CHAPTERS IN BOOKS

Davari AR., **Bagheri A.,** Reyhani MN., Eslamian S. (2015). Environmental Flows in the Condition of Scarce Water Recourses. Book Chapter in Handbook of Drought and Water Scarcity, Taylor and Francis Publishing. (in print)

Bagheri A., (2006), ***Sustainable Development: Implementation in Urban Water Systems,*** Doctoral Thesis, ISBN 978-91-628-6789-8, 204 pp, Department of Water Resources Engineering, Lund Institute of Technology, Lund University, Lund, Sweden.

JOURNAL ARTICLES:

Papers in English:

Mohammadpour M., **Bagheri A.** (2017). Common pool water resources management considering a regulator interference: A game theory approach to derive managerial policies for Urmia Lake, Iran. Lakes and Reservoirs: Research and Management, 22(1), 85-94. DOI 10.1111/lre.12158

Hashemi SM., **Bagheri A.**, Marshall N. (2015). Toward sustainable adaptation to future climate change: 4 insights from vulnerability and resilience approaches 5 analyzing agrarian system of Iran. *Environment, Development and Sustainability*. (in print)

Bagheri MH., Mahmoudpour Neychalani T., Fathian F., **Bagheri A.** (2015). Groundwater level modelling using system dynamics approach to investigate the sinkhole events (case study: Abarkuh County Watershed, Iran). Int. J. Hydrology Science and Technology, 5(4), 295-313.

Ghashghaei M., **Bagheri A.**, Morid S., (2013). **Rainfall- runoff modeling in a watershed scale using an object oriented approach based on the concepts of System Dynamics.** Water Resources Management, 27(15), 5119-5141.

Vaez Tehrani M., Monem M.J., **Bagheri A.**, (2013). **A system dynamics approach to model rehabilitation of irrigation networks. Case study: Qazvin irrigation network, Iran.** Journal of Irrigation and Drainage, 62(2), 193-207.

Vaez Tehrani M., **Bagheri A.**, Monem M.J., Khan S., (2012). ***Analyzing structural and non-structural options to improve utility of irrigation areas using a system dynamics approach.*** Journal of Irrigation and Drainage, 61(5), 604-621.

Shahbazbegian M.R., **Bagheri A.**, (2010). ***Representing systemic strategies to cope with drought impacts using System dynamics modeling. Case study: Hamadan province, Iran.*** Options Mediterraneennes, A no. 95, 233-237.

Bagheri A., Darijani M., Asgary A., Morid S., (2010), ***Crisis in Urban Water Systems during the Reconstruction Period: A System Dynamics Analysis of Alternative Policies after the 2003 Earthquake in Bam – Iran.*** *Water Resources Management, 24 (11)*, 2567-2596.

Shahbazbegian M., **Bagheri A.**, (2010), ***Rethinking assessment of drought impacts: a systemic approach towards sustainability.*** *Sustainability Science*, 5:223-236.

Bagheri A., Hjörth P., (2007). ***A framework for process indicators to monitor for sustainable development: Practice to an urban water system.*** *Environment, Development and Sustainability* 9:143 - 161.

Bagheri A., Hjörth P., (2007). ***Planning for sustainable development: A paradigm shift towards a process-based approach.*** *Sustainable Development, 15(2),* 83-96.

Hjörth P.; **Bagheri A.**; (2006), ***Navigating towards sustainable development: A system dynamics approach***, *Futures, 38(1)*, 74-92.

Bagheri A., Asgary A., Levy J., Rafieian M., (2006), ***A performance index for assessing urban water systems: A fuzzy inference approach***, *Journal AWWA, 98(11)*, 84-92.

Bagheri A., Hjörth P., (2005), ***Monitoring for sustainable development: A systemic framework.*** *Int. J. Sustainable Development, 8(4)*, 280-301.

Papers in Persian:

Farzaneh MR, Momeni F, **Bagheri A.**, Ramazani Ghavam Abadi MH, (2016). Institutional origin of the crisis in groundwater resources management of Iran. Journal of Economics Research, (accepted for publication)

Moghimi Benhangi S., **Bagheri A.**, Abolhassani L. (2017). **Assessment of institutional social learning capacity with a reference to learning loops in the level of agricultural water users, Case study: Rafsanjan study area.** Iran Water Resources Research Journal, (accepted for publication)

Mirnezami SJ., **Bagheri A.** (2017). **Assessing the water governance system for groundwater conservation in Iran.** Iran Water Resources Research Journal, (accepted for publication)

Shahbazbegian MR., **Bagheri A.**, Mousavi Shafaei M. (2016). **Analysis of mechanisms governing water withdrawal from Helmand Transboundary River originated from Afghanistan, emphasizing on the role of state building project in the country.** International Quarterly of Geopolitics, 12(3), 168-190.

Bagheri MH, **Bagheri A.**, Sohouli GA, (2016). **Analysis of changes in the Bakhtegan lake water body under the influence of natural and human factors.** Iran Water Resources Research Journal, 12(3), 1-11.

Barari MH., **Bagheri A.**, Hashemi SM, (2016). **Analysis of the issues of Lake Zrêbar in a context of Integrated Water Resources Management using a stakeholders' participatory approach in a basin scale. I**ran Water Resources Research Journal, 12(2), 1-12.

Farzaneh MR., **Bagheri A.**, Momeni F. (2016). **A System Dynamics Insight to Institutional Context Analysis of groundwater resources in Rafsanjan Plain.** Iran Water Resources Research Journal, 12(2), 67-82.

Bagheri A. (2015). Editorial: **A short look at the context of water events.** Journal of Water and Sustainable Development, 1(3).

Bagheri A., Davari K., Omranian Khorasani H., Samareh Hashemi M., Gheisani E. (2015). **Analysis of water scarcity in Sothern Khorasan Province using a DPSIR framework.** Journal of Geography and Environmental Planning, (Accepted).

Yousefzadeh Chabok M., **Bagheri A.**, Davari K. (2016). **Water resources assessment using an integrated approach based on water accounting, A case study of Mashhad Plain.** Journal of Water & Wastewater, Vol. 27(5), 3-16.

Shahbazbegian MR., **Bagheri A.** (2015). **Systemic analysis of vulnerability of the Sistan plain to water scarcity - Experiencing policy options based on the resilience approach.** Iran Water Resources Research Journal, Vol 12, No. 1, pp 40-55.

Babaeian F., **Bagheri A.**, Rafeian M. (2015). **Vulnerability Analysis of Water Resources Systems to Water Scarcity Based on a Water Accounting Framework (Case Study: Rafsanjan Study Area).** Iran Water Resources Research Journal, Vol 12, No. 1, pp 1-17.

Rafieian M., **Bagheri A.**, Farrokhi M., (2016). **Urban Development Management Planning By System Dynamics. Case study: 18th District of Tehran.** Journal of Architecture and Urban Planning, No. 16, pp 35-50.

Yousefzadeh Chabok M., **Bagheri A.**, Davari K. (2015). **An assessment of the water resources of Mashhad Plain with an integrated approach based on water accounting framework.** Journal of Water and Sustainable Development, 2 (1), 25-32.

Shabani S., Monem M.J., **Bagheri A**. (2015). **System Dynamic Model For Foomanat Irrigation Network Improvement from Adequacy and Equity point of view.** Iranian Journal of Irrigation and Drainage, 8 (4), 826-836.

Ghafouri Fard S., **Bagheri A.**, Shajari S. (2015). **Stakeholders Assessment in Water Sector (Case Study: Rafsanjan Area).** Iran Water Resources Research Journal, 11(2), 16-28.

Bagheri A. (2014). Editorial. Iran Water Resources Research Journal, 10 (2).

Omranian Khorasan H., Davary K., **Bagheri A.**, Gheisani E. (2014). **Implement «Strategic Management of Water Resources»; a proposed framework by using the tool «Road Map»**. Journal of Water and Sustainable Development, 1 (2), 101-112.

Arshadi M., **Bagheri A.**, (2014). **A system dynamic Approach to Sustainability analysis in karun River basin, Iran.** Iran Water Resources Research Journal, 9 (3), 1-13.

Hosseini S.A., **Bagheri A.**, (2013). ***System dynamics modeling of the water resources system in Mashad Plain to analyze strategies for sustainable development,*** Journal of Water & Wastewater, 88, 28-39.

Hatam A., Monem M.J., **Bagheri A**., (2013). System dynamics model development for irrigation network rehabilitation considering farmers' participation and personnel promotion. Journal of Agricultural Engineering Research, 13(4), 1-24.

Vaez Tehrani M., Monem M.J., **Bagheri A**., (2011). ***Systems dynamics model to assess irrigation networks***. Journal of Agricultural Engineering Research, 11(4), 35-56.

CONFERENCE PAPERS:

Farzaneh MR., Hashemi S. Mahmoud, **Bagheri A.**, Momeni F., Ramazani Ghavam Abadi MH., (2016). Impact of formal rules on Rafsanjan groundwater withdrawal. The National Conference on Water Law, December 5-6, Tehran, Iran. (in Persian)

Ghotbizadeh M., **Bagheri A.**, Mehrazar A., (2016). Assessment of adaptive capacity of formal water institution to climate change relying on the equitable distribution of water law. The National Conference on Water Law, December 5-6, Tehran, Iran. (in Persian)

Farzaneh MR., Bagheri A., Momeni F. (2016). Institutional concerns associated to the groundwater restoration plan in the e Rafsanjan study area. The 2nd National Congress on Irrigation and Drainage in Iran, August 23-25, Isfahan University of Technology, Isfahan, Iran. (in Persian)

Bagheri A., Farzaneh MR, Ghafourifard S., Babaeian F. (2016). Institutional analysis of the groundwater governance system in Rafsanjan, Iran. UK-Iran Researcher Links Workshop: "Water Management", Imperial College, January 24-28, London, UK.

Hashemi SM., Barari MH., **Bagheri A.** (2015). Towards and Integrated Land and Water Resources Governance System in Lake Zrebar Basin, Iran: A Community-based Approach. Scientific Conference on Water: Source of Life. October 17-18, Qazvin, Iran.

Goudarzi Z., Chizari M., **Bagheri A.** (2015). Critiques on participatory water management in Iran. The 1st National Congress on Irrigation and Drainage in Iran, May 13-14, Ferdowsi University of Mashad, Mashad, Iran. (in Persian)

Barari MH., **Bagheri A.**, Hashemi SM., (2014), ***State analysis of Lake Zrebar using the DPSIR framework.*** 5th National Conference on Water Resources Management of Iran, Tehran, Iran. (in Persian)

Barari MH., **Bagheri A.**, Hashemi SM., (2014), ***Social-political assessment of the hydraulic system and soil-water resources of Lake Zrebar basin: The stakeholder analysis towards sustainability.*** 5th National Conference on Water Resources Management of Iran, Tehran, Iran. (in Persian)

Omranian H., **Bagheri A.**, Davari K., Samare Hashemi M., (2013), ***Water resources strategies for the province of Southern Khorasan, Iran***. 7th National Congress on Civil Engineering, Zahedan, Iran. (in Persian)

Falaki Ilkhchi G, **Bagheri A.**, Delavar M., Najafi H., (2013), ***Application of the system of water accounting in a basin level to assess water resources in Zarinehrood Basin***, 7th National Congress on Civil Engineering, Zahedan, Iran. (in Persian)

Samareh Haeshemi M, Zare F., **Bagheri A.**, (2012)***, A systemic analysis of the flood threat in Gorganrood Basin, Iran; using a DPSIR framework,*** ASCE Conference on the 5th International Perspective on Water Resources & the Environment, 4-7 January, Marrakech, Morocco.

Vaez Tehrani M. , Monem MJ., **Bagheri A.**, (2011), ***Dynamic modeling for rehabilitation of irrigation networks (Case study: Qazvin Irrigation Network),*** ICID 21st International Congress on Irrigation and Drainage, 15-23 October 2011, Tehran, Iran.

Bagheri A., Hosseini S.A., (2011). ***A system dynamics approach to assess water resources development scheme in the Mashad plain, Iran, versus sustainability,*** ASCE Conference on the 4th International Perspective on Water Resources & the Environment, 4-6 January, Singapore.

Arshadi M., **Bagheri A.**, (2011). ***From vulnerability towards system viability – An analysis of viability in Karun River Basin, Iran.*** ASCE Conference on the 4th International Perspective on Water Resources & the Environment, 4-6 January, Singapore.

Tavakoli Nabavi E., Safavi H.R., **Bagheri A.**, (2011). ***Towards sustainable Zayendeh-Rud: Resolving inter-provincial water dispute using archetype dynamics.*** ASCE Conference on the 4th International Perspective on Water Resources & the Environment, 4-6 January, Singapore.

Vaez Tehrani M., Monem M.J., Bagheri A., (2011). ***System dynamics modeling for rehabilitation of irrigation networks.*** ASCE Conference on the 4th International Perspective on Water Resources & the Environment, 4-6 January, Singapore.

Vaez Tehrani M., Monem M.J., **Bagheri A.**, (2010). ***Identification of governing archetypes in irrigation networks***. The 12th Conference of National Irrigation and Drainage Committee of Iran, 14-15 March, Tehran, Iran. (in Persian)

Samare Hashemi M., Anvari Tafti S., **Bagheri A.**, (2010). ***Affecting mechanisms on the groundwater depletion in Hamedan Province, Iran, using a systems dynamics approach***. The 10th National Conference on Irrigation and Evaporation Reduction (10th NCIER), 8-10 February, University of Shahid Bahonar, Kerman, Iran. (in Persian)

Hosseini S.A., **Bagheri A.**, Hoorfar A.H., (2009). ***Sustainability or un-sustainability? Looking at water resources development programs from a systemic approach - Case study: The water resources development program in Mashhad plain – Iran.*** International Conference on Water Resources, ICWR 2009, 15-17 August 2009, Shahrood University of Technology, Shahrood, Iran.

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