

# *Ali Bagheri - Curriculum Vitae*



## **PERSONAL DETAILS**

**Name:** Ali Bagheri

**Language:** Persian (Mother tongue)

**Current Employment:** Associate Professor at Tarbiat Modares University, Iran

English (Fluent)  
German (Good)

**Gender:** Male

Arabic (Basic)

**Date of Birth:** January 20, 1971

**Marital Status:** Married

**Nationality:** Iranian

**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.

**Visiting address:**

Room No. A-102, Faculty of Agriculture, Tarbiat Modares University, Km 16 Tehran-Karaj Free way, Pajohesh Blvd., Tehran, IRAN.

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**Home page :**

[https://edu.modares.ac.ir/pro/academic\\_staff/alibagheri](https://edu.modares.ac.ir/pro/academic_staff/alibagheri)

## **EDUCATION**

**PhD** (2006): *Doctor of Philosophy in Civil Engineering – Water Resources Engineering*, 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): *Master of Science Degree in Civil Engineering – Water Resources Engineering*, Department of Civil 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): *Bachelor of Science Degree in Civil Engineering*, Department of Civil Engineering, Sharif University of Technology, Iran.

## **TEACHING & ACADEMIC EXPERIENCES**

- Member of The Technical Committee in the Research Center of the Iranian Parliament, (January, 2021 – 2023).

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- Member of Higher Educational Planning Committee, Ministry of Science, Research and Technology, Iran (April, 2019 – till now).
- Deputy of Research, Water Engineering Institute, Tarbiat Modares University (November 2018 till now)
- Faculty member of the Interdisciplinary Science and Technology Department, Tarbiat Modares University (March 2019 till now)
- Visiting Associate Professor (March 2018 till September 2018), Fenner School of Environment and Society, the Australian National University (ANU), Canberra, Australia.
- Director of Graduate Program on “Water Resources Management and Planning” (February 2017 till now), Department of Water Resources Engineering, Tarbiat Modares University, Tehran, Iran.
- 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 System Dynamics, Water Resources System Analysis, Systems Theory, Research Methods, Academic Writing, Participatory Water Resources Management, Water Governance and Policy Making, Water and Society, IWRM Workshop.

- **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, Water and environmental institution and governance, Water conflicts.

## **RESEARCH PROJECTS**

- 1- Stakeholders' analysis in the Hashtgerd plain using the conflict mapping framework (March 2024 – ongoing)  
Client: Alborz Province Water Authority
- 2- Pathology of the evolutionary trend of governance path in Iran based on case studies in the local scale. (September 2022 – March 2025)  
Client: Iran Water Resources Management Company (associated to the Ministry of Energy)
- 3- Investigating the social issues in ZayandehRud River Basin. (February 2024 – ongoing)  
Client: Chaharmahal va Bakhtiari Province Water Authority

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- 4- Preparation of an environmental management plan and design of a monitoring network for protected rivers. (June. 2021 – November 2024)  
Client: Department of Environment-Office of land and water
- 5- Making consensus among the stakeholders in Rafsanjan Palin in order to achieve a common understanding of the local groundwater issues. (Aug. 2020 – ongoing)  
Client: Iranian Water Policy Research Institute (IWPRI)
- 6- Project management and leadership for policy research in water sector. (October 2021 - July 2022)  
Client: Water Research Institute (Associated to the Ministry of Energy)
- 7- Functional-spatial reforms studies of the dam reservoirs providing Tehran drinking water. (Oct 2018 – Oct 2019)  
Client: Ministry of Roads and Urban Planning, Islamic Republic of Iran.
- 8- Analysis of Iranian legislation regarding the mechanisms affecting water resources and prescribing institutional reforms in order to enhance the capacity of water governance to adapt to the new water conditions. (December, 2017 – May 2019)  
Client: Islamic Parliament Research Centre of the Islamic Republic of Iran.
- 9- Preparation of a framework to initiate River Basin Organizations in transboundary river basins (2017 ongoing)  
Client: Gorgan University of Agricultural Sciences & Natural Resources.
- 10- The system of governance and public participation in the ICZM plan of Hormozgan Province (2017)  
Client: Ports & Maritime Organization of Iran – Deputy Directorate for Engineering & Infrastructural Affairs Development, Directorate General for Coastal and Port Engineering.
- 11- Institutional analysis of adaptive capacity to climate change in the system of water resources of Tashk-Bakhtegan Basin (2016 March, 2019 October)  
Client: Iranian Ministry of Energy – Deputy of Water Affairs
- 12- 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.

## **TECHNICAL & EXECUTIVE EXPERIENCES**

- Member of the Synthesis Working Group in the National Committee of Preparing the Flood Reports, Iran Presidency, University of Tehran (May 2019 – March 2020).
- Director of Environmental Training Office, Department of Environment of Iran, Tehran, Iran (October 2017 – January 2018)
- Member of Managerial Board of Mahsab Sharq 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).
- Project Manager (2011 – 2015), Tarh e Now Andishan Consultant Engineering Co., Tehran, Iran.  
Job description: Dam Studies Projects in Suleimani and Erbil, IRAQ-Kurdistan Region

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- Member of steering committee for preparation of the “Inter-basin water transfer” regulations. Department of Environment of Iran, Tehran, Iran (2013-2014).
- 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), Tarh 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

## **COUNTRIES OF WORK EXPERIENCES**

- IRAN: 1996 till now, Engineering Consultancy and Academic.
- AUSTRALIA: 2018, Research.
- IRAQ – KURDISTAN Region: 2013-2015, Dam Projects Studies and Investigations in Erbil and Sulaymaniyah.
- SWEDEN: 2004-2006, PhD Studies.

## **WORKSHOPS HELD**

1. Water Resources System Dynamics Winter School, 14-18 January 2023, Department of Water Resources and Environmental Engineering, Shahid Chamran University of Ahwaz.
2. Workshop on: Water Resources System Dynamics. August 13, 2018, Fenner School of Environment and Society, The Australian National University, Canberra, Australia.
3. Ecosystem based management of wetlands and lakes focusing on the issues of Lake Zrêbar (Zrêwar), Sanandaj. April 19, 2016, The 6<sup>th</sup> National Conference on Water Resources Management of Iran, University of Kurdistan, Sanandaj, Iran.
4. Water governance emphasizing on groundwater resources: Social change, Adaptive management. March 4, 2015, Tarbiat Modares University, Tehran, Iran.
5. Integrated Water Resources Management (IWRM), October 5–20, 2015, Water Resources Management Company of Iran, Ministry of Energy, Tehran, Iran.
6. Water Accounting, January 21, 2014, Khorasan Razavi Water Authority, Mashad, Iran.
7. Water Resources Strategic Planning, May 22, 2012, Tarbiat Modares University, Tehran, Iran.
8. Water Resources Strategic Planning, July 10, 2012, Tarbiat Modares University, Tehran, Iran.
9. Water Accounting, May 28, 2013, Tarbiat Modares University, Tehran, Iran.
10. Integrated Water Resources Management, June 21, 2010 – January 19, 2011, Tarbiat Modares

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University, Tehran, Iran.

## **SHORT/INTENSIVE COURSES TAKEN**

- 1- Td Summer School 2019: Transdisciplinary Research at the Science/Society Interface within an Intercultural Orientation. July 1-5, 2019, Leuphana Univeritat (Germany) & Boku University (Austria),Stepantsminda, Kazbegi, Georgia.
- 2- Participatory Resource Management: Working with Communities and Other Stakeholders. Australian National University, Fenner School of Environment and Society, 03-13 July 2018, Australia, Canberra.
- 3- Iran Water Laws, Tarbiat Modares University, 20-21 May 2015, Tehran, Iran.
- 4- 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.
- 5- Introduction to the scientific methodology, Faculty of Human Sciences, Tarbiat Modares University, 11 and 18 January 2015, Tehran, Iran.
- 6- Introduction to the schools of methodology, Faculty of Human Sciences, Tarbiat Modares University, 14 and 28 December 2014, Tehran, Iran.
- 7- Spoken Technical Communication, Lunds Tekniska Högskola, Lund University, Spring 2005, Lund, Sweden.
- 8- Information Management and Reading Skills, Lunds Tekniska Högskola, Lund University, Autumn 2004, Lund, Sweden.
- 9- 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.

## **PATENTS**

- 1- Title: **Groundwater Policy Simulator**  
Registration Number: 111575  
Registration Date: 14 September 2024  
Place of Registration: Intellectual Property Center, State Organization for Registration of Deeds and Properties of IRAN.

## **RESEARCH STUDENTS UNDER SUPERVISION**

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1. Malmir, Mahsa, **Eliciting the insights of stakeholders in the issue of groundwater depletion-Preliminary design of an applied model.** PhD research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
2. Shariati Niasar, Zahra, **A phenomenological explanation of “water” in the arena of Iranian territory underpinning the the Iranian water doctrine.** Ph.D. research ongoing, Islamic Azad University, Department of Water Engineering, College of Civil Tehran Science and Research branch, Tehran, Iran. (Supervisor).
3. Talebi Eskandari, Soroush, **Water governance construction confronting with people, elites and nature and redefining the concept of participation using an pluralistic approach.** PhD research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
4. Sepehri Ghomsheh, Aref, **The economic effects of alternative livelihoods strategies and cropping pattern changes for adaptation of Kuhpayeh -Segzi Region farmers to water scarcity.** PhD research ongoing, Tarbiat Modares University, Department of Agricultural Economics, (Advisor).
5. Mohammadi Liri, Sepinud, **Framing water issues in terms of a social narrative.** M.Sc. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
6. YazdanPanah, Narjes, **Cultivating Water Literacy Capacity in Children Through Problem-Based Learning: A Methodological Approach to Extracting Case-Based Water Issues Based on the Hydro-Social Cycle Perspective.** M.Sc. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
7. Arshady, Mohammad, **Evolutionary Water Governance; Possibility of Transformation of the State-society interrelationship towards Groundwater Security.** PhD research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
8. Saeedi Naeini, samaneh, **Water-Energy-Agriculture Nexus: Development of Solar Power Plants as an Innovative Solution to Reduce Pressure on Water Resources.** PhD research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
9. Gholami, Soroush, **Assessment of Water Security in the Region of Abadan due to Upstream Development in the Karun River Basin.** M.Sc. research ongoing, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

**RESEARCH STUDENTS SUPERVISED/ADVISED**

**PhD:**

1. Jafarzadeh, Soudabeh, **Analyzing the Energy Consumption Process in a Shared Space Based on Occupants' Behavioral Patterns Using System Dynamics Method; Case Study: University of Tehran Student Dormitori**". Ph.D. Thesis, University of Tehran, College of Management and Technology, Department of Industrial Management, (Advisor).
2. Golkar, Elham, **Constructing a Shared Narrative of the Water Issue in the Rafsanjan Plain through a Participatory Modeling Approach**. Ph.D. Thesis, University of Tehran, College of Agriculture & Natural Resources (Karaj), Department of Water Resources Engineering, (Co-supervisor).
3. Soleimani Rouzbahani, Mohsen, **Development of nature-oriented governance system utilizing nature-based solution in Iran**. Ph.D. Thesis, University of Tehran, Department of Environment, College of Natural Resources, Tehran, Iran. (Advisor).
4. Jafari, Faezeh (2024). **The Effect of Climate Change on Water Security in the watersheds of East of Mazandaran Province, Iran**. PhD Thesis, Tarbiat Modares University, Department of Watershed Management, (Co-supervisor).
5. Aslani, Mostafa (2024). **Dynamic Modeling of Water, Food Energy inter Linkages in Irrigation and Drainage Networks (Case Study: Qazvin Irrigation Network)**. Ph.D. Thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Engineering and Management, (Advisor).
6. Ameri Golestan, Matin (2023). **Conceptualizing the collaborative water governance in Iran**. Ph.D. Thesis. University of Allameh Tabatabaei, Department of Public Management, College of Management and Accounting, Tehran, Iran. (Advisor).
7. Tohidi, Mehrdad (2023). **Sociological analysis of the role of water in the development of Iran (Case of Study: Zayandehrood basin in Isfahan province)**. Ph.D. Thesis, University of Tehran, Department of Sociology, College of Social Science, Tehran, Iran. (Advisor).
8. Jabbari Gharabagh, Samin (2022). Scenario-based Analysis for Futures Studies of Water Availability in Local Scale. Ph.D. Thesis, University of Urmia, Department of Water Engineering, (Co-supervisor)
9. Soltani, Zahra (2021). Analysis of demographic components on the water security of Iran. Ph.D. Thesis, University of Tehran, Department of Demography, (Co-supervisor)
10. Mahdavi, Taghi (2020). Integrated assessment of the governance and management system of water resources in Azarshahr Plain, Iran. Ph.D. Thesis, Islamic Azad University, Department of Water Engineering, College of Civil Tehran Science and Research branch, Tehran, Iran. (Supervisor).
11. Ansari, Samin,(2019). 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. Thesis, University of Tehran, Department of Water Resources Engineering, (Co-Supervisor).
12. Goudarzi, Zahra, (2018). Local groundwater governance model in Kerman province in order to achieve sustainable development. Ph.D. Thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Agricultural Education and Extension, (Advisor).

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13. Mirnezami, S. Jalaleddin, (2017). Contextual analysis of groundwater conservation challenges in Iran – Insights from Rafsanjan case study. Ph.D. Thesis, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
14. 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).
15. 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).
16. 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).
17. Samare Hashemi, Marzieh, (2014). Integrated Water Resources Assessment, Ph.D. thesis, Tarbiat Modares University, Faculty of Agriculture, Department of Water Resources Engineering, (Supervisor).
18. 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).
19. 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:**

20. Rahdar, S Mohammad (2025). **Development of a water corporate accounting system (Case study: Implementing in a Mining and Industrial Steel Company)**. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
21. Rasouli Majd, Negin (2024). **Designing A Conceptual Model for Local Water Governance Observatory**. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
22. Noorian, Saman (2024). **Assessing the water resources system sustainability of Hashtgerd study area using freshwater health index framework**. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Advisor).
23. Maleki Ghale, HamidReza (2024). **Pathology of Iranian legislation from the perspective of mechanisms affecting water resources in order to develop the necessary frameworks for legislation**. M.Sc. Thesis of Civil Engineering, Sharif University of Technology, Department of Civil Engineering, (Advisor).
24. Heidari Habash, Ali (2023). Designing a simulation game of groundwater systems for the purpose of training and capacity building of actors. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
25. Amani, Mohammad (2023). Design and optimization of water resources quality monitoring network in Jajrud River based on a pollution index approach. M Sc. Thesis of Water Resources Planning and Management, Tarbiat Modares University, Department of Water Resources Engineering,

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(Supervisor).

26. Jafari, Milad (2023). Analysis of structural factors and explanation of water conflict between Alborz and Tehran provinces in the Nested theory of conflict framework. M Sc. Thesis of Water Resources Planning and Management, Tarbiat Modares University, Department of Water Resources Engineering, (Advisor).
27. Aminian, Hassan (2023). Assessing local community resilience to flood in Qareh Sou River Basin in Golestan Province. M.Sc. Thesis of Water Resources Planning and Management, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
28. Shakibaee, Adel, Factors Affecting Local Community Participation in the Groundwater Resources Protection in the Southern Mahyar Plain in Isfahan Province, Iran. M.Sc. Thesis of Rural Development, Tarbiat Modares University, Department of Agricultural Extension, (Advisor).
29. Shojaee, Alireza (2022). Re-reading the traditional system and indigenous knowledge of water resources management in Gezir Plain using the institutional analysis and development (IAD) framework. M.Sc. Thesis of Water Resources Planning and Management, Tarbiat Modares University, Department of Water Resources Engineering and Management, (Supervisor).
30. Shakeri Rostami, Hossein (2021). Assessment of flood risk governance arrangements in Iran and in the Province of Golestan. M.Sc. Thesis of Water Resources Planning and Management, Tarbiat Modares University, Department of Water Resources Engineering and Management, (Supervisor).
31. Vafaeifard, Alireza (2021). Analysis of water conflict(s) potentials in the basins providing Tehran's drinking water. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
32. Gharebaghi, Maryam (2020), Derivation of a Performance Assessment Framework for River Basin Organizations - Case study: The Zayandehrud Basin council. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
33. Dehnavi, Saman (2020). Stakeholder Analysis of Water Resources (Case Study: Neishabour Plain). M.Sc. Thesis of Agricultural and Environmental Economics, Faculty of Economics, Allameh Tabataba'i University, Department of Agricultural and Environmental Economics, (Advisor).
34. Farajzadeh, Meysam (2019), Water and Environmental Conflict Mapping in the Urmia Lake basin. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Advisor).
35. Jahani, Maryam (2018), Vulnerability assessment of the socio-ecological system of Qeshm Island with respect to lack of freshwater resources. M.Sc. Thesis of Water Resources Engineering, Gorgan University of Agricultural Sciences and Natural Resources,, Department of Water Resources Engineering, (Co-Supervisor).
36. Omidi, Tayebeh, (2018), Exploring export-import strategies and priorities of agricultural products based on the concept of virtual water. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).
37. Balanj, Hossein (2017), Presentation of the institutional dimensions for adaptation capacity of socio-ecological system in Qesh Island with emphasis on learning mechanisms. M.Sc. Thesis of Water Resources Engineering, Gorgan University of Agricultural Sciences and Natural Resources,, Department of Water Resources Engineering, (Co-Supervisor).
38. Jalali Bourban, Aram (2017), Integrated assessment of system of water resources management in a basin level. M.Sc. Thesis of Water Resources Engineering, Tarbiat Modares University, Department of Water Resources Engineering, (Supervisor).

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39. 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).
40. 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).
41. 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).
42. 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).
43. 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).
44. 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).
45. 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).
46. 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).
47. 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).
48. 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).
49. 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).
50. 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).

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51. 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).
52. 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).
53. 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).
54. 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).
55. 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).
56. 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).
57. 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).
58. 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).
59. 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).
60. 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).
61. 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).
62. 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).
63. 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

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Agriculture, Department of Water Resources Engineering, (Supervisor).

64. 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**

**Bagheri A.**, Hjörth P. (2023). Sustainable Development and Water Resources. Book Chapter in Historical Water Sustainability. pp 23-36, International Commission on Irrigation and Drainage (ICID).

Davari AR., **Bagheri A.**, Reyhani MN., Eslamian S. (2017). Environmental Flows Assessment in Scarce Water Recourses. Book Chapter in Handbook of Drought and Water Scarcity-Vol 1: Environmental Impact and Analysis of Drought and Water Scarcity. pp 331-352, Taylor and Francis Publishing.

**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:**

1. Golkar E., **Bagheri A.** (2025). The case of Rafsanjan aquifer: *A story of unsustainable groundwater exploitation and path dependency*. *Sustainability Science*, submitted.
2. Shakeri Rostami H., **Bagheri A.** (2025). *Fragmented Governance, Systemic Risks: A Policy Arrangement Analysis of Flood Risk Management in Iran and Pathways for Adaptive Reform*. *Environmental Science and Policy*, Submitted.
3. Soltani Z., Abbasi-Shavazi MJ., **Bagheri A.** (2024). *Integrated water-population interactions framework: An application to assess water security in Iran*. *Vienna Yearbook of Population Research*, 22, 1-40.
4. Ansari Mahabadi S., **Bagheri A.**, Massah Bavani AR. (2023). *Reducing vulnerability to the climate change - Initiating reversibility and transformation processes adopting a hydro-economic model Theory*. *Environmental Development*, 47, 100893.
5. Moghimi Benhangi S., **Bagheri A.**, Abolhassani L., Hamidi Razi H. (2020). *Assessing the learning capacity of water users – Adoption a social learning framework*. *Journal of Hydrology*, 590, 125496.
6. **Bagheri A.**, Babaeian F. (2020). *Assessing Water Security of Rafsanjan Plain, Iran - Adopting the SEEA Framework of Water Accounting*. *Ecological Indicators*, 111 (April), 105959. <https://doi.org/10.1016/j.ecolind.2019.105959>
7. Mirnezami SJ., de Boer C., **Bagheri A.** (2020). *Groundwater governance and implementing the conservation policy: the case study of Rafsanjan Plain in Iran*. *Environment, Development and Sustainability*, 22(8): 8183-8210. <https://doi.org/10.1007/s10668-019-00488-0>
8. Mahdavi T., **Bagheri A.**, Hosseini S.A. (2019). *Applying the System of Environmental and Economic Accounts for Water (SEEA-Water) for integrated assessment of water security in an aquifer scale - Case study: Azarshahr aquifer, Iran*. *Groundwater for Sustainable Development*, 9, <https://doi.org/10.1016/j.gsd.2019.100261>
9. Zare F., Elsawah S., **Bagheri A.**, Nabavi E., Jakeman AJ (2019). *Improved integrated water resources modelling by combining DPSIR and system dynamics conceptual modelling techniques*. *Journal of Environmental Management*, 246, 27-41. <https://doi.org/10.1016/j.jenvman.2019.05.033>

## Ali Bagheri - Curriculum Vitae

10. Samareh Hashemi M., **Bagheri A.**, Rizzoli A.E. (2019). *The Role of Ex-Post and Ex-Ante Integrated Assessment Frameworks in Conceptualization of the Modeling Process in the Context of Integrated Water Resources Management*. Water Resources, 46(2), 296-307.
11. Ansari Mahabadi S., Massah Bavani AR., **Bagheri A.** (2018). *Improving adaptive capacity of social-ecological system of Tashk-Bakhtegan Lake Basin to climate change effects – A methodology based on Post-Modern Portfolio Theory*. Ecohydrology & Hydrobiology, 18(4), 365-378. <https://doi.org/10.1016/j.ecohyd.2018.11.002>
12. Goudarzi Z., Chizari M., Sadighi H., **Bagheri A.** (2018). *The role of agriculture sector in groundwater governance (Case study: Rafsanjan plain) a qualitative research with using focus group method*. International Journal of Scientific and Technology Research, 7(2), 187-192.
13. Mirnezami SJ., **Bagheri A.**, Maleki A. (2018). *Inaction of society on the drawdown of groundwater resources: Case study of Rafsanjan Plain in Iran*. Water Alternatives, 11(3), 725-748.
14. 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/Ire.12158
15. Hashemi SM., **Bagheri A.**, Marshall N. (2017). *Toward sustainable adaptation to future climate change: insights from vulnerability and resilience approaches analyzing agrarian system of Iran*. Environment, Development and Sustainability, 19(1), 1-25. DOI 10.1007/s10668-015-9721-3
16. 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.
17. Mohammadi H., **Bagheri A.**, Akbarpour A. (2014). *An investigation of water dependency: A case study of Birjand Plain, Eastern Iran*. International Bulletin of Water Resources & Development (IBWRD), 2(2), Article No. 19.
18. Samareh Hashemi M., Zare F., **Bagheri A.**, Moridi A. (2014). *Flood assessment in the context of sustainable development using the DPSIR framework*. International Journal of Environmental Protection and Policy, 2(2), 41-49.
19. 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.
20. 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.
21. 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.
22. Shahbazbegian M.R., **Bagheri A.**, (2010). *Representing systemic strategies to cope with drought impacts using System dynamics modeling. Case study: Hamadan province, Iran*. Options Méditerranéennes, A no. 95, 233-237.
23. **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.

## *Ali Bagheri - Curriculum Vitae*

24. Shahbazbegian M., **Bagheri A.**, (2010), *Rethinking assessment of drought impacts: a systemic approach towards sustainability*. *Sustainability Science*, 5:223-236.
25. **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.
26. **Bagheri A.**, Hjörth P., (2007). *Planning for sustainable development: A paradigm shift towards a process-based approach*. *Sustainable Development*, 15(2), 83-96.
27. Hjörth P.; **Bagheri A.**; (2006), *Navigating towards sustainable development: A system dynamics approach*, *Futures*, 38(1), 74-92.
28. **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.
29. **Bagheri A.**, Hjörth P., (2005), *Monitoring for sustainable development: A systemic framework*. *Int. J. Sustainable Development*, 8(4), 280-301.

### **Papers in Persian:**

1. Maleki Ghleh H, Ardakanian R, **Bagheri A.** (2025). *Diagnosis of Existing Laws Affecting Water Resources Management in Iran with a System Dynamics Approach and the Development of a Framework for Evaluating New Bills and Legal Proposal*. *Iran Water Resources Research Journal*, 21(3), 204-232.
2. Nourian S, Katabchi H, **Bagheri A.** (2025). *Analysis of water stakeholder relations in Hashtgerd study area*. *Iran Water Resources Research Journal*, 21(3), 55-72.
3. **Bagheri A.** (2025). Editorial: *Water Suffering, Community Turbulence: An Introduction to Conflicts and Paths of Participation in Creating Crisis*. *Journal of Water and Sustainable Development*, 12(2), pp A-C.
4. Nourian S, Katabchi H, **Bagheri A.** (2025). *Multidimensional analysis of the challenges of local groundwater governance system in the Hashtgerd study area*. *Iran Water Resources Research Journal*, 21(2), 21-52.
5. Soleymani Roozbahani M., Daneh-Kar A., **Bagheri A.** (2024). Nature-oriented governance: Bridging theory and practice for sustainable human-nature integration in Iran. *The Scientific Journal of Strategy*, Volume 33, Issue 2, pp 415-450.
6. Gharehbaghi M, **Bagheri A.**, Mirnezami SJ., Jangi Marani A (2024). *Assessment of Zayandehrud River Basin Council*. *Iran Water Resources Research Journal*, 20(2), 121-145.
7. **Bagheri A.** (2024). Editorial: *Highlighting indigenous knowledge in water resources management within the context of contemporary understanding*. *Journal of Water and Sustainable Development*, 11(1), pp A-C.
8. Aslani M, Monem MJ, **Bagheri A** (2024). The effect of improvement of rehabilitation on the improvement of the Network Utility Index with the constraint of improvement in the NEXUS Index based on system dynamics analysis (Case study: Qazvin irrigation network). *Karafan (Quarterly Scientific Journal of Technical and Vocational University)*. 20(4). Pp 365-390.
9. Soleymani Roozbahani M., Daneh-Kar A., **Bagheri A.** (2023). A review of environmental priorities in Iran's governance instruments. *The Scientific Journal of Strategy*, Volume 32, Issue 2, pp 241-272.

## *Ali Bagheri - Curriculum Vitae*

10. Ameri Golestan M., Vaezi R., Alvani S.M., **Bagheri A.** (2023). *Collaborative Governance: A Solution for Addressing Iran's Water Issue – Identifying Components and Developing a Framework*. Journal of Strategic Studies of Public Policy. Volume 13, Issue 48, pp 2-31.
11. Tohidi M, Azad Armaki T, Tavakol M, Jalaeipour HR, **Bagheri A** (2023). The issue of water and the formation of socio-political balance in the development of Iranian society (Case Study: Water management system in Zayandeh-Rud Basin). Journal of Water and Wastewater Science and Engineering (JWWSE), 8(2), pp 56-65.
12. Shakibaei A., Abbasi E., **Bagheri A.**, Enteshari S. (2023). Impacts of Sensitivity, Awareness, and Social Capital on the Willingness of Stakeholders to Participate in the Protection of Ground Water Resources (Case study: South Mahyar Plain, Isfahan). Iran Water Resources Research Journal, 19(3), 195-211.
13. **Bagheri A.** (2023). Editorial: *Changing threats to opportunities to remove groundwater stress.. Journal of Water and Sustainable Development*, 10(2), pp A-B.
14. Golkar E., **Bagheri A.**, Ebrahimi K., (2023). An *explanation of the groundwater challenge in Rafsanjan Plain*. Iranian Journal of Public Policy, Vol 8, No. 4, pp 75-92.
15. Soltani Z., **Bagheri A.**, Abbasi Shavazi MJ (2022). *The Effect of Demographic Trends on Food and Water Security in Iran*. Iran Water Resources Research Journal, 18(2), pp 122-145 .
16. Shakeri Rostami H., **Bagheri A.**, Sadoddin A. (2021). *Assessment of flood risk governance with reflection of the 2019 flood events in Golestan Province*. Iran Water Resources Research Journal, 18(1), 145-165.
17. Vafaeifard A., **Bagheri A.**, Mianabadi H, Farajzade Arnesa M (2022). *Mapping Stakeholders and Their Relationships in the Water-Related Conflicts Between the Capital City of Tehran and the Supplying Catchments of Drinking Water*. Iran Water Resources Research Journal, 17(4), 211-228.
18. Ghotbzadeh M., **Bagheri A.**, Madanian GhR (2022). *Assessing Adaptive Capacity of the Iranian Water Laws to Environmental Changes*. Iran Water Resources Research Journal, 17(4), 79-100.
19. Shakeri Rostami H., **Bagheri A.**, Sadoddin A. (2021). *Flood risk governance assessment in Iran according to the approach of policy arrangements*. Iran Water Resources Research Journal, 17(3), 65-103.
20. **Bagheri A.** (2021). Editorial: *Dos and don'ts of the water law*. *Journal of Water and Sustainable Development*, 8(2), pp A-C.
21. Jabbari Gharabagh S., Rezaie H., **Bagheri A.** (2021). *Application of Indicator-based Approach in Water Security Assessment of Lake Urmia Basin*. *Iran Water Resources Research Journal*, 17(2), 100-113.
22. **Bagheri A.** (2021). Editorial: *Adaptation: Water scarcity or overexploitation?* *Journal of Water and Sustainable Development*, 8(1), pp A-B.
23. Farajzade Arnesa M, Mianabadi H, **Bagheri A** (2021). *Rethinking of Concepts and Approaches to Deal with Water Conflicts*. *Iran Water Resources Research Journal*, 16(4), 205-224.

## Ali Bagheri - Curriculum Vitae

24. Soltani Z, Abbasi Shavazi MJ, **Bagheri A**, Koosheshi M (2020). *The Effect of Demographic Variables on the Estimation of Agricultural Water Consumption in Iran (2007-2014)*. Journal of Population Association of Iran, 14(28), 171-204.
25. Samareh Hashemi M., **Bagheri A.**, (2020). *A Proposed Integrated Water Resources Assessment Process, Relying on Systemic View*. Iran Water Resources Research Journal, 16(1), 212-228.
26. Davari A., **Bagheri A.**, Mohammad Vali Samani J. (2020). *Assessing Environmental Flow Regime in Kor River: A Holistic Approach Using System Dynamics Modeling*. Iran Water Resources Research Journal, 15(4), 68-91.
27. Farzaneh MR., Bagheri A., Momeni F. (2019). *A criticism to framework of groundwater resources reclamation and suggesting alternative method to implement in Rafsjan Region*. J. of Water and Soil Conservation, 26(1), 169-185. DOI: 10.22069/JWSC.2019.11318.2586
28. Mahdavi T., **Bagheri A.**, Hosseini SA. (2019). *Integrated assessment of water resources system in the Ajabshir study area, based on SEEA-Water accounting framework*. Iranian Journal of Soil and Water Research, 50(6), 1535-1552. DOI: 10.22059/ijswr.2019.264335.667996
29. Omidi T., **Bagheri A.**, Heydari N. (2019). *Water footprint analysis of sugar export/import and production in Iran for the period of 2005-2014*. Iran Water Resources Research Journal, 15(3), 78-90.
30. Ansari S., Massah Bavani AR., **Bagheri A.** (2019). *Evaluation of Adaptation Strategies to Climate Change based on Social, Economic and Environmental Resilience Indicators*. Iran Water Resources Research Journal, 14(5), 265-277.
31. Moghimi Benhangi S., **Bagheri A.** (2018). *A framework for governance assessment and enhancement of public participation in environmental management plans: Application in the integrated coastal zone management of Iran*. Journal of Environmental Studies, 44(3), 565-586.
32. Ghotbizadeh M., **Bagheri A.**, Abbasi E. (2019). *Assessment of local organizations' institutional adaptive capacity to water scarcity in Tashk-Bakhtegan Basin*. Iran Water Resources Research Journal, 14(4), 14-30.
33. Samareh Hashemi M., **Bagheri A.**, (2018). *The South Khorasan water resources integrated assessment at a strategic level using Goal Oriented Framework (GOF)*. Iran Water Resources Research Journal, 14(3), 15-30.
34. Moghimi Benhangi S., **Bagheri A.**, Abolhassani L. (2018). *Assessment of social learning capacity of water institution in the Tashk-Bakhtegan basin*. Iran Water Resources Research Journal, 14(2), 100-118.
35. Moghimi Benhangi S., **Bagheri A.**, Abolhassani L. (2018). *Assessment of formal water institution in Iran corresponding to the mechanisms governing emergence of agricultural water demand regarding the social learning framework*. Iran Water Resources Research Journal, 14(1), 140-159.
36. 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: Rafsjan study area*. Iran Water Resources Research Journal, 13(3), 17-32.
37. Mirnezami SJ., **Bagheri A.** (2017). *Assessing the water governance system for groundwater conservation in Iran*. Iran Water Resources Research Journal, 13(2), 32-55.
38. Farzaneh MR, **Bagheri A.**, Ramazani Ghavam Abadi MH, (2017). *Institutional origins of the crisis in groundwater resources management of Iran*. Journal of Economics Research, 17(64), 57-94.
39. 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.

## *Ali Bagheri - Curriculum Vitae*

40. 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.
41. Barari MH., **Bagheri A.**, Hashemi SM, (2016). *Analysis of the issues of Lake Zrēbar in a context of Integrated Water Resources Management using a stakeholders' participatory approach in a basin scale.* *Iran Water Resources Research Journal*, 12(2), 1-12.
42. 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.
43. **Bagheri A.** (2015). Editorial: *A short look at the context of water events.* *Journal of Water and Sustainable Development*, 1(3), pp A-B.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. **Bagheri A.** (2014). *Editorial.* *Iran Water Resources Research Journal*, 10 (2).
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.

## SELECTED CONFERENCE PAPERS:

1. **Bagheri A.**, Omidi T., Heydari N. (2018). *Water security insights associated to food security: A case study of the Iranian virtual water trade of agricultural crops 2004-2014*. Water Security and Climate Change Conference, 3-5 December, Nairobi, Kenya.
2. Zare F., **Bagheri A.**, Elsawah S. (2017). *Using system archetypes for problem framing and a qualitative analysis: a case study in Iranian water resource management*. 22<sup>nd</sup> International Congress on Modelling and Simulation, 3-8 December, Hobart, Tasmania, Australia.
3. **Bagheri A.**, Bagheri MH., Nazaridoost A. (2017). *Integrated socio-ecological system dynamics modelling to estimate environmental water requirement corresponding to the level of ecosystem restoration in Lake Bakhtegan, Iran*. The International Society for Ecological Modelling Global Conference 2017, September 17-21, Jeju, South Korea.
4. 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)
5. 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)
7. 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)
8. **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.
9. 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.
11. Goudarzi Z., Chizari M., **Bagheri A.** (2015). *Critiques on participatory water management in Iran*. The 1<sup>st</sup> National Congress on Irrigation and Drainage in Iran, May 13-14, Ferdowsi University of Mashad, Mashad, Iran. (in Persian)
12. Barari MH., **Bagheri A.**, Hashemi SM., (2014), *State analysis of Lake Zrebar using the DPSIR framework*. 5<sup>th</sup> National Conference on Water Resources Management of Iran, Tehran, Iran. (in Persian)
13. 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*. 5<sup>th</sup> National Conference on Water Resources Management of Iran, Tehran, Iran. (in Persian)
14. Omranian H., **Bagheri A.**, Davari K., Samare Hashemi M., (2013), *Water resources strategies for the province of Southern Khorasan, Iran*. 7<sup>th</sup> National Congress on Civil Engineering, Zahedan, Iran. (in Persian)
15. 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*, 7<sup>th</sup> National Congress on Civil Engineering, Zahedan, Iran. (in Persian)
16. 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 5<sup>th</sup> International Perspective on Water Resources & the Environment, 4-7 January, Marrakech, Morocco.

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17. 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.
18. **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 4<sup>th</sup> International Perspective on Water Resources & the Environment, 4-6 January, Singapore.
19. Arshadi M., **Bagheri A.**, (2011). *From vulnerability towards system viability – An analysis of viability in Karun River Basin, Iran*. ASCE Conference on the 4<sup>th</sup> International Perspective on Water Resources & the Environment, 4-6 January, Singapore.
20. Tavakoli Nabavi E., Safavi H.R., **Bagheri A.**, (2011). *Towards sustainable Zayende-Rud: Resolving inter-provincial water dispute using archetype dynamics*. ASCE Conference on the 4<sup>th</sup> International Perspective on Water Resources & the Environment, 4-6 January, Singapore.
21. Vaez Tehrani M., Monem M.J., Bagheri A., (2011). *System dynamics modeling for rehabilitation of irrigation networks*. ASCE Conference on the 4<sup>th</sup> International Perspective on Water Resources & the Environment, 4-6 January, Singapore.
22. Vaez Tehrani M., Monem M.J., **Bagheri A.**, (2010). *Identification of governing archetypes in irrigation networks*. The 12<sup>th</sup> Conference of National Irrigation and Drainage Committee of Iran, 14-15 March, Tehran, Iran. (in Persian)
23. 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 10<sup>th</sup> National Conference on Irrigation and Evaporation Reduction (10<sup>th</sup> NCIER), 8-10 February, University of Shahid Bahonar, Kerman, Iran. (in Persian)
24. Hosseini S.A., **Bagheri A.**, Hoofar 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.
25. Ghashghaie M., **Bagheri A.**, Sarang A., (2009). *An IWRM Approach to Manage Nutrients Using an Object Oriented Modeling based on the Concepts of System Dynamics: An Economic Perspective*. International Conference on Water Resources, ICWR 2009, 26-27 May 2009, Langkawi, Kedah, Malaysia.
26. Ghashghaie M., **Bagheri A.**, (2009). *Using System Dynamic Concepts to Introduce a Methodology based on Object Oriented Modeling to Investigate Nutrient Loads on a Watershed Surface*. The First International Conference on Water Crisis, 10-12 March 2009, University of Zabol, Iran.
27. **Bagheri A.**, Ghashghaie M., Sarang A., (2008). *Application of an object oriented approach based on the concepts of system dynamics in Integrated Water Resources Management*. 3rd International Conference for Water Resources and Arid Environment, 16-19 November, Riyadh, Saudi Arabia.
28. Hoseini S.A., **Bagheri A.**, (2008). *Systems thinking to understand and manage water resources systems*. 3<sup>rd</sup> Iran Water Resources Management Conference, 14-16 October, Tabriz, Iran. (in Persian)
29. Darijani M., **Bagheri A.**, Morid S., (2008). *Vulnerability assessment of Bam urban water system due to reconstruction after the 2003 Earthquake*. 3<sup>rd</sup> International Conference on Integrated Natural Disaster Management, Tehran, Iran, 18-19 Feb. (in Persian)

### Media

## **Ali Bagheri - Curriculum Vitae**

- 1- **Bagheri A.**, (2022). *Looking through the reforms on the “Just distribution of water” law*. An essay in *Donya-e-eqtesad Newspaper*, Vol. 20, No. 5438, News No. 3860875. April 27.
- 2- **Bagheri A.**, (2021). *Capacity building to involve universities in the issue of water*. A journalistic note in *Shargh Daily*, Vol. 19, No. 4233, March 2.
- 3- **Bagheri A.**, (2021). *Five criteria to evaluate the program of the candidate for the position of Minister of Energy*. An essay in *Donya-e-eqtesad Newspaper*, Vol. 19, No. 5243, News No. 3789948. August 15.
- 4- **Bagheri A.**, (2021). *To be received by the President*. An essay in *Shargh Daily*, Vol. 18, No. 4067, August 5.
- 5- **Bagheri A.**, (2021). *Let's change the mistakes to an opportunity for learning*. A journalistic note in *Shargh Daily*, Vol. 18, No. 4060, July 27.
- 6- **Bagheri A.**, (2021). *Let's confine water*. A journalistic note in *Shargh Daily*, Vol. 18, No. 4049, July 12.
- 7- **Bagheri A.**, (2021). *Participatory law, Participatory legislation. An essay in Iran Daily Special Appendix “Tomorrow’s feet on today’s shoulders-The status and must of water and electricity policies*, April, pp 315-316.
- 8- **Bagheri A.**, (2019). *The water crises in Iran is rooted in overexploitation/entering into the wet period is illusory*. An Interview with FARS News Agency, May 27.
- 9- **Bagheri A.**, (2018). *Transforming the threat of water scarcity into an opportunity*. A journalistic note in *Shargh Daily*, Vol. 15, No. 3092, February 22.
- 10- **Bagheri A.**, (2018). *It snowed, the water scarcity is still persisting*. A journalistic note in *Shargh Daily*, Vol. 15, No. 3078, February 4.
- 11- **Bagheri A.**, (2017). *Be aware not to overlook environmental earthquakes*. A journalistic note in *Shargh Daily*, Vol. 15, No. 3043, December 25.
- 12- **Bagheri A.**, (2017). *“Change”: The foundation of Ardakanian’s program*. A journalistic note in *Shargh Daily*, Vol. 15, No. 2998, October 29.
- 13- **Bagheri A.**, (2017). Compensation of water scarcity through seawater desalination is a wrong signal/The water literacy of people should be enhanced. An Interview with ISNA (Iranian Students’ News Agency), October 26.
- 14- **Bagheri A.**, (2017). *The tragedy today is because of our previous negligence*. An Interview with *Shargh Daily*, August 07.
- 15- **Bagheri A.**, (2017). *The water budget does not suffice current agricultural needs/ The importance of enhancement of public water literacy*. An Interview with IRNA (Iran News Agency), July 21.
- 16- **Bagheri A.**, (2017). *The behavior of “Plascoism”*. A journalistic note in *Shargh Daily*, Vol. 14, No. 2796, February 06.
- 17- **Bagheri A.**, (2016). We have to re-think on water higher education. An essay in The Network of Public Policy Studies (SHAMS), No. 1100168, January 17, 2016.
- 18- **Bagheri A.**, (2015). *Let's renew our thoughts: A framework to reform the academic system associated to water education*. An essay in *Shargh Daily Special Appendix on Water Crisis*, Vol. 13, No. 2395, 165-166.
- 19- **Bagheri A.**, (2015). *Editorial: Public participation to Water crisis management*. *Shargh Daily*, Vol. 12, No. 2365.

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20- **Bagheri A.**, (2014). *Water; past negligence, today crisis.* A journalistic note in *Shargh Daily*, Vol. 12, No. 2130.