

## PERSONAL DATA

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### Hojjat Mianabadi

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## EDUCATION

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- 2014- 2015      **Research Scholar**, [Water Diplomacy](#).  
at Tufts Institute of the Environment (TIE), Tufts University. MA, USA.
- 2011- 2016      **PhD Candidate** in Hydropolitics and Water Policy.  
at TU Delft University of Technology, Delft, The Netherlands. Supervisors Prof. [Nick Van de Giesen](#) and Dr. [Erik Mostert](#).
- **PhD Thesis : Hydropolitics and Conflict Management in Trans-boundary River Basins.**
- 2004 - 2007      **MS** in Water Resources Engineering & Hydraulic Structure.  
at Iran University of Science and Technology (IUST), Tehran, Iran. Supervisor Prof. [Abbas Afshar](#).
- **Master Thesis : Development of Fuzzy Group Decision Making and its Application in Water Resource Planning and Management.**
  - GPA:            16.85 out of 20.0

## Courses and Short Courses

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- Jan 2015              **Harvard University**
- Global Climate Change: The Science, Social Impact and Diplomacy of a World Environmental Crisis
- Spring 2015              **MIT**
- Land, water, food, and climate
- Jan 2015              **Tufts University:**
- Negotiation, Mediation, Conflict Resolution
- Mar 2014 –Jun 2014      **UNESCO-IHE**

- Water Conflict Management (WCM05)
- Advanced Negotiation and Mediation for Water Conflict Management (WCM06)
- Water and Environmental Law

Jan 2012

#### **TU Delft:**

- Integrated Water Resources Management ()

## **Research Interests**

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- Hydropolitics and Water Policy
- Conflict Resolution and Management
- Capacity Building in Water and Environment
- Environmental Policy Analysis
- Sustainable Environmental Management,
- Fuzzy Logic in Strategies Assessment
- Fuzzy Group Decision Making (FGDM)
- Multi-Criteria Decision Making (MCDM)
- Integrated Water Resources Management

## **SCIENTIFIC PUBLICATIONS AND PRESENTATIONS**

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### **Journal Papers:**

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1. Esmailzadeh, S., Bagherzadeh, S., Mirhashemi, S.S., **Mianabadi, H.**, “**Wicked Water Problems; Evidence from the Urmia Lake restoration**”. *Journal of Water Policy*, Under Review.
2. Deilami, B., **Mianabadi, H.**, Bagherzadeh, S., Ghorbani, A., “**Adaptive Policy Making, A Tool to Evaluate and Assess the Adaptability of Water Policies**”. *Journal of Policy Science*, Under Review.
3. Jafari, M., Andik, B., **Mianabadi, H.**, Ghorbani, A., Nasri Fakhrdavid, S., Choobchian, Sh., Mirhashemi, S.S., 2024, “**Water conflict analysis in a changing context: a qualitative systematic review of trends, patterns, and approaches in Iran**”. *World Water Policy Journal*, Accepted.
4. Mamasani, P., Jafari, M., Andik, B., **Mianabadi, H.**, Arvin, B., Ghoreishi, S.Z., 2024, “**Relative Deprivation, a Silent Driver in Hydropolitics: Evidence from Afghanistan-Iran Water Diplomacy**”. *Water Alternative*, Vol. 17, I. 2, pp. 555-585.

5. Mirhashemi Dehkordi, S.S., **Mianabadi, H.**, Bagherzadeh, S., Hajiani, E., Dehghani Firouzabadi, S.J., 2024, **"Theoretical Evaluation of integrated Basin at Risk (iBAR) Method for International Water Conflict-Cooperation Analysis"**. *Journal of Frontiers in Water*, Vol. 6, pp. 1-9 (doi: [10.3389/frwa.2024.1352956](https://doi.org/10.3389/frwa.2024.1352956)).
6. Ghoreishi, S.Z., **Mianabadi, H.**, Warner, J., Nagheeby, M., Vij, S., Parvaresh Rizi, A., Jafari, M., Arfa-Fatolahkhani, A., 2024, **"Maintaining status quo or realizing transformation in transboundary water conflicts? The power-interests-identity nexus in the Helmand River basin"**. *Journal of Water International*, pp. 1-26 (doi: [10.1080/02508060.2024.2352228](https://doi.org/10.1080/02508060.2024.2352228)).
7. Dadparvar, S., Kaleji, V., Ghoreishi, S. Z., **Mianabadi, H.** 2024, **"Impact of Türkiye's Dam Construction on the Water Resources of Transboundary Aras River Basin in Iran"**. *Journal of Caucasus Survey*, pp. 1-20 (doi: [10.30965/23761202-bja10027](https://doi.org/10.30965/23761202-bja10027)).
8. Esmaeilzadeh, S., Parvaresh Rizi, A., **Mianabadi, H.**, 2023, **"Evaluation of the Water Policies of the Urmia Lake Basin: Has the Government Accurately Identified the Problem?"**. *Journal of Environment: Science and Policy for Sustainable Development*, Vol. 65, I. 6, pp. 18-34 (doi: [10.1080/00139157.2023.2245741](https://doi.org/10.1080/00139157.2023.2245741)).
9. Bagherzadeh, S., **Mianabadi, H.**, Sadeghizadeh, S., Ghorbani, A., Deylami, B., 2023, **"Normative Assessment of Enabling Factors for Adaptive Water Governance; Evidence and Lessons from the Hirmand River Basin, Iran"**. *Journal of Environmental Management*, Vol. 72, I. 6, pp. 1-18 (doi: [10.1007/s00267-023-01896-9](https://doi.org/10.1007/s00267-023-01896-9)).
10. Mianabadi, A., Davary, K., **Mianabadi, H.**, Kolahi, M., Mostert, E., 2023, **"Towards the development of a conceptual framework for Complex interaction between environmental changes and rural-urban migration"**. *Journal of Frontiers in Water*, Vol. 5, No. 1142307, pp. 1-13 (doi: [10.3389/frwa.2023.1142307](https://doi.org/10.3389/frwa.2023.1142307)).
11. Amini, A., Abedi, M., Nesari, E., Kolahi, M., Daryadel, E., **Mianabadi, H.**, Fisher, J., 2023, **"The Paris Agreement's Approach towards Climate Change Loss and Damage"**. *Journal of World Affairs*, Vol. 186, No. 1, pp. 46-80. (doi: [10.1177/00438200221147936](https://doi.org/10.1177/00438200221147936)).
12. Sadeghizadeh, S., Bagherzadeh, S., **Mianabadi, H.**, Ghorbani, A., 2022, **"Consensus-Based Fuzzy Group Decision-Making Framework for Tailoring Good Water Governance to the Context: A Case Study of Sistan, Iran"**. *Journal of Water Resources Planning and management*, Vol. 148, No. 9, pp. 152-159. (doi: [10.1061/\(ASCE\)WR.1943-5452.0001587](https://doi.org/10.1061/(ASCE)WR.1943-5452.0001587)).
13. Arfa-Fatolahkhani, A., Ayyoubzadeh, S.A., Shafizadeh-Moghadam, H., **Mianabadi, H.**, 2022, **"Spatiotemporal Characterization and Analysis of River Morphology Using Long-Term Landsat**

- Imagery and Stream Power**". *Journal of Water*, Vol. 14, No. 22, pp. 46-80. (doi: [10.3390/w14223656](https://doi.org/10.3390/w14223656)).
14. **Mianabadi, H., Alioghli, S., Morid, S., 2021, "Quantitative Evaluation of "No-harm" Rule in International Transboundary Water Law in the Helmand River Basin**". *Journal of Hydrology*, Vol. 599, I 126368, pp. 1-15. (doi: [10.1016/j.jhydrol.2021.126368](https://doi.org/10.1016/j.jhydrol.2021.126368)).
  15. **Mianabadi, A., Davary, K., Mianabadi, H., Karimi, P., 2020, "International Environmental Conflict Management in Transboundary River Basins**". *Water Resources Management*, Vol. 34, I 11, pp. 3445-3464. (doi: [10.1007/S11269-020-02576-7](https://doi.org/10.1007/S11269-020-02576-7)).
  16. **Mianabadi, H., Mostert, E., Pande, S., Van de Giesen, N., 2015, "Weighted bankruptcy rules and trans-boundary water resources allocation**". *Journal of Water Resources Management*, Vol. 29, I 7, pp. 2303-2321. (doi: [10.1007/S11269-015-0942-X](https://doi.org/10.1007/S11269-015-0942-X)).
  17. **Mianabadi, H., Mostert, E., Zarghami, M., Van de Giesen, N., 2014, "A New Bankruptcy Method for Conflict Resolution in Water Resource Allocation**". *Journal of Environmental Management*, Vol. 144, pp. 152-159. (doi: [10.1016/J.JENVMAN.2014.05.018](https://doi.org/10.1016/J.JENVMAN.2014.05.018)).
  18. **Mianabadi, H., Sheikhmohammady, M., Mostert, E., Van de Giesen, N., 2014, "Application of the Ordered Weighted Averaging (OWA) Method to the Caspian Sea Conflict**". *Journal of Stochastic Environmental Research and Risk Assessment*, Vol. 28, I 6, pp. 1359-1372. (doi: [10.1007/S00477-014-0861-Z](https://doi.org/10.1007/S00477-014-0861-Z)).
  19. **Mirabi, M., Mianabadi, H., Sharifi, M.B., Zarghami, M., Mostert, E., 2014, "Risk-based Evaluation of wastewater Treatment Projects: A case study in Niasar city, Iran**". *Journal of Resources, Conservation & Recycling*, Vol.93, pp. 168-177 (doi: [10.1016/j.resconrec.2014.10.002](https://doi.org/10.1016/j.resconrec.2014.10.002)).
  20. **Nasirzadeh, F., Khanzadi, M., Mianabadi, H., 2012, "A fuzzy group decision making approach to construction project risk management**". *International Journal of Industrial Engineering & Production Research*, Vol. 24, No. 1, pp. 71-80.
  21. **Mianabadi, H., Afshar, A., Zarghami, M., 2011, "Intelligent Multi-Stakeholder Environmental Management**". *Journal of Expert Systems with Applications*, Vol 38, No 1, pp. 862-866. (doi: [10.1016/j.eswa.2010.07.054](https://doi.org/10.1016/j.eswa.2010.07.054)).

## Journal Papers (in Persian):

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22. Nemati Shishehgaran, N., Babaeian, F., Mianabadi, H., 2024, "Uncertainty Assessment of Monthly Precipitation Using Multiple GCMs and Quantile Mapping Bias Correction Methods". *Journal of Water and Irrigation Management*, Accepted.
23. Nastarani Amoghini, S., Ghoreishi, S. Z., Mianabadi, H. 2024, "Turkey's water-oriented development in the Aras Transboundary River Basin". *Journal of Water and Irrigation Management*, Vol. 14, I. 1, pp. 1-26.
24. Nemati Shishehgaran, N., Babaeian, F., Mianabadi, H., 2024, "Comparison of CMIP6 climate models and quantile mapping bias correction methods in the simulation of precipitation". *Journal of Soil and Water Research*, Vol. 54, I. 12, pp. 1843-1862.
25. Mianabadi, H. Ghoreishi, S. Z., 2024, "Understanding the complexity of hydropolitical arrangements in the Hirmand transboundary river basin". *Journal of Iranian Water Engineering Research*, Vol. 2, I. 3, pp.53-77.
26. Andik, B., Mianabadi, H. 2023, "Hydropolitics of the Kabul River Basin: The Role of Water in Afghanistan-Pakistan Interactions". *Journal of Water and Irrigation Management*, Vol. 13, I. 1, pp. 209-237.
27. Nofeli. R., Mirhashemi Dehkordi. S.S., Barjeste. H.R., Andik, B., Mianabadi, H., 2023. "Criticizing the Ontology of Neoliberal Institutionalism Theory in Transboundary Water Disputes". *Journal of Iran Water Resources Research*. Vol. 19, No. 2, pp. 102-124.
28. Jafari. M., Mirhashemi Dehkordi. S.S., Nasri Fakhredavood. S., Mianabadi, H. Ghorbani. A., 2022, "From water conflict resolution to water conflict transformation". *Journal of Water & Irrigation Management*, Vol. 12, I. 2, pp. 425-453.
29. Mianabadi, H. Ghoreishi, S. Z., 2022. "Realism and Liberalism Paradigms in Hydro-political Interactions". *International Quarterly of Geopolitics*. Vol. 18, I. 65, pp. 150-186.
30. Mirhashemi Dehkordi. S.S., Mianabadi, H. Hajiani. E., Dehghani Firouzabadi. S.J., 2022, "Blue Peace: from idea to reality". *Journal of Water & Irrigation Management*, Vol. 11, I. 4, pp. 967-986.
31. Vafaeifard. A., Bagheri. A., Mianabadi, H. Farajzadeh. 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". *Journal of Iran Water Resources Research*. Vol. 17, No. 4, pp. 211-228.

32. Amini. A., Ghoreishi, S. Z., **Mianabadi, H.** 2021, "**Understanding 1973 the Helmand Treaty by Invoking Rules of Interpretation According to Vienna Convention 1969**". *Journal of Water & Irrigation Management*, Vol. 11, I. 2, pp. 249-273.
33. Mirhashemi Dehkordi. S.S., **Mianabadi, H.** Hajjani. E., 2021. "**Social Identity and Construction of Conflict in Shared Water Resources Systems**". *Journal of Iran Water Resources Research*. Vol. 17, No. 3, pp. 198-214.
34. Ghoreishi, S. Z., **Mianabadi, H.** Parvaresh Rizi, A., 2021, "**The TWINS Framework for Illustrating Co-Existing Conflict and Cooperation in the Hirmand River Basin**". *Journal of Soil and Water Research*, Vol. 52, I. 1, pp. 273-300.
35. Deylami. B., **Mianabadi, H.** Ghorbani. A., 2021. "**Dealing with Uncertainty in Water Systems Management**". *Journal of Iran Water Resources Research*. Vol. 17, No. 3, pp. 378-397.
36. Esmaeilzadeh, S., Parvaresh Rizi, A., **Mianabadi, H.**, 2021, "**Problem cognition and policy evaluation of Urmia Lake Restoration Program**". *Journal of Strategic Studies of public policy*. Vol. 11, I. 38, pp. 38-58.
37. Ghoreishi, S. Z., **Mianabadi, H.** 2021. "**Reframing Water Security Components**". *Journal of Iran Water Resources Research*. Vol. 17, No. 1, pp. 239-261.
38. Farajzadeh. M., **Mianabadi, H.** Bagheri. A., 2021. "**Rethinking of Concepts and Approaches to Deal with Water Conflicts**". *Journal of Iran Water Resources Research*. Vol. 16, No. 4, pp. 205-224.
39. Barjeste. H.R., Ghoreishi, S. Z., **Mianabadi, H.**, 2020. "**Application of Nexus Approach in Hydropolitics of Transboundary Rivers**". *Journal of Ecohydrology*. Vol. 7, I. 3, pp. 757-773.
40. Ghoreishi, S. Z., **Mianabadi, H.** Hajjani. E., 2020. "**The Dimensions of Hydraulic Mission in Turkey's Hydropolitics**". *Journal of Iran Water Resources Research*. Vol. 16, No. 1, pp. 304-331.
41. **Mianabadi, H.** Amini. A., 2019. "**Complexity of Water, Politics, and Environment in the Euphrates and Tigris River Basins**". *International Quarterly of Geopolitics*. Vol. 15, I. 54, pp. 54-86.
42. Sadeghizadeh, S., Mirhashemi Dehkordi. S.S., **Mianabadi, H.** 2019, "**Investigating principles of good governance in tacit knowledge of Qasabeh Gonabad Qanat**". *Journal of Indigenous Knowledge*, Vol. 6, No.12, pp. 503-533.

43. Ghoreishi, S. Z., **Mianabadi, H.** Mousavi Shafaei. S. M., 2019. **"The Role of Power in Water Diplomacy"**. *Journal of Iran Water Resources Research*. Vol. 15, No. 2, pp. 242-264.
44. Amini. A., **Mianabadi, H.** Daryadel. E., 2019. **"Nature and Key Legal Issues of Paris Agreement on Climate Change"**. *Legal Research Quarterly*. Vol. 22, I. 86, pp. 291-326.
45. Mianabadi, A., Jarkeh. M.R., **Mianabadi, H.**, Kolahi, M., 2018, **"Socio-hydrology"**. *The Socio-Cultural Research Journal of Rahbord*, Vol. 7, I 27, pp. 47-78.
46. Amini. A., **Mianabadi, H.** Nadaf. N., 2018. **"The Role of Diplomacy in the Paris Agreement"**. *International Quarterly of Geopolitics*. Vol. 14, I. 49, pp. 148-175.
47. **Mianabadi, H.**, Amini. A. Daryadel. E., 2018, **"Nationally Determined Contributions under Paris Agreement from Theory to Practice"**. *Journal of Strategic Studies of public policy*. Vol. 8, I. 28, pp. 19-47.
48. Mianabadi, A., **Mianabadi, H.**, Alizadeh. A., 2017, **"A novel attitude on classical hydrology"**. *Iranian Journal of Irrigation & Drainage*, Vol. 11, I 4, pp. 539-551.
49. Taraghi, M., Montaseri. M., Zarghami. M., **Mianabadi, H.**, 2017, **"Conflict Resolutions for Sustainable Water Resource Management; Case Study"**. *Journal of Agricultural Economics*, Vol. 11, I 3, pp. 131-160.
50. Mirshafiee, S., Ansari, H., Mianabadi, H., 2015, **"Bankruptcy theory in shared water resources allocation"**. *Iranian Journal of Irrigation & Drainage*, Vol. 9, No. 4, pp. 594-604.
51. Fereshtehpour, M., Roghani, B., Mianabadi, H., 2015, **"Transboundary groundwater governance challenges"**. *International Quarterly of Geopolitics*, Vol. 11, No. 3, pp. 170-204.
52. Mirabi, M., Mianabadi, H., Sharifi, M.B., 2014, **"Multi attribute decision making approach for the selection of urban wastewater system"**. *Water & Wastewater Journal*, Vol. 25, No 92, pp. 112-117.
53. Mianabadi, H., 2013, **"Political, Security and Legal Considerations in Trans-boundary River Management"**. *International Relations Research Quarterly*, Vol. 3, No. 9, pp. 167-199.
54. Mianabadi, H., Afshar, A., 2012. **"Heterogeneous fuzzy group decision making in integrated water resources management"**, *Sharif Journal Civil Engineering*, Vol. 27, No. 4, pp. 123-131.

55. Mianabadi, H., Afshar, A., 2008. "Multi attribute decision making to rank urban water supply schemes", *Water & Wastewater Journal*, Vol. 19, No. 66, pp. 34-45.
56. Mianabadi, H., Afshar, A., 2008. "A new consensus based fuzzy group decision making algorithm; case study: groundwater resources management". *Journal of Iran Water Resources Research*. Vol. 4, No. 2, pp. 1-13.
57. Mianabadi, H., Afshar, A., 2007. "Group decision making, Calculation of relative weights of decision makers to select Ph.D students". *Iranian Journal of Engineering Education*, Vol. 9, No. 35, pp. 31-53.

## Chapter Book

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1. Ghoreishi, S. Z., Mianabadi, H., Jafari, M., 2024, "Reframing Transboundary Water Security, in **Theorizing Transboundary Waters in International Relations**", Szalai, K., Máté. S., (Eds), *Theorizing Transboundary Waters in International Relations*, Chapter 6, pp 83–104. Springer Cham. DOI: [10.1007/978-3-031-43376-4\\_6](https://doi.org/10.1007/978-3-031-43376-4_6)
2. Jarkeh, MR., Mianabadi, A., Mianabadi, H., 2016. "Developing new scenarios for water allocation negotiations: a case study of the Euphrates River Basin"; in: Grabs, W., Demuth, S., (Eds.), *Water Resources Assessment and Seasonal Prediction*. pp. 9-15. IAHS Publication. Proc. IAHS, 374, DOI: [10.5194/piahs-374-9-2016](https://doi.org/10.5194/piahs-374-9-2016)
3. Mianabadi, H., Mostert, E., Van de Giesen, N., 2015, "Trans-boundary River Basin Management: Factors Influencing the Success or Failure of International Agreements" in: Hipel, W.K., Fang, L., Cullmann, J., Bristow, M., (Eds.), *Conflict Resolution in Water Resources and Environmental Management*, Chapter 7, pp 133-143, Springer, Heidelberg. DOI: [10.1007/978-3-319-14215-9\\_7](https://doi.org/10.1007/978-3-319-14215-9_7)
4. Mianabadi, H., Afshar, A., 2009. "Fuzzy Group Decision Making and its Application in Water Resource Planning and Management", in: Blöschl, G, Giesen, N., Muralidharan, D., Ren, L., Seyler, F., Sharma, U., Vrba, J., (Eds.), *Improving Integrated Surface and Groundwater Resources Management in a Vulnerable and Changing World*. pp. 311–318. IAHS Publication., Hyderabad, India.
5. Mianabadi, H., Afshar, A., Khamooshi, H., 2009. "Heterogeneous group decision making in integrated water resources management". in: Courel, M.F., Tashpolat, T., Taleghani, M., (Eds.), *Control and Management of Water in Arid and Semi-arid Zones*, pp. 149-158, Hermann Publ. Paris.



## Conference Papers:

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1. Jafari, M., Mianabadi, H., Under review. 2023, "Sociology of conflict and water conflict transformation: alignment with theoretical evolutions"; **Radboud Conference on Earth System Governance: Bridging Sciences and Societies for Sustainability Transformations**, October 24-26, Nijmegen, The Netherlands.
2. Mamasani, P., Jafari, M., Mianabadi, H., 2023, "Supplying More Water, Facing More Water Conflict: Insights from Relative Deprivation Theory"; **International Conference on Peace and Conflict Resolution (ICPCR)**, 29-30 May, Tehran, Iran
3. Ghoreishi, S. Z., Mianabadi, H., 2022, "The Complexity of Power and International Water Law", **The Oslo International Environmental Law Conference**, Oslo, Norway.
4. Mirhashemi Dehkordi, S.S., Jafari, M., Mianabadi, H., 2021, "The new generations to deal with water conflict"; **STREAMS – Transformative Environmental Humanities**, August 3, 2021, Stockholm, Sweden.
5. Nofeli, R., Mirhashemi Dehkordi, S.S., Mianabadi, H., 2021. "Theory of institutional peace and peacebuilding in transboundary river basins"; **8<sup>th</sup> Peace and Conflict Resolution Conference**, 7–8 November, Belgrade, Serbia.
6. Sheidaei, F., Bijani, M., Mianabadi, H., 2021. "Shift from Governmentality to Governance toward Participatory Policy-Making in Iran's Water Resources Management: An Intervention for Agricultural Extension"; **25<sup>th</sup> European Seminar on Extension (and) Education (ESEE 2021)**, 21-23 June, Cavan, Ireland.
7. Ghoreishi, S. Z., Mianabadi, H., 2021, "The Role of International Relations Paradigms in Analyzing Transboundary Waters Security". **Conference on Transboundary Waters in IR (TWIR) Mixing Water and International Relations Theory: Frameworks for Transboundary Water Analysis**, 26–28 April, Hungary.
8. Ghoreishi, Z., Mianabadi, H., Parvaresh Rizi, A., 2019, "Hydrosolidarity Practice: A New Approach for Transboundary Water Cooperation" **10th HydroHegemony Conference**, The Hague, the Netherlands.
9. Daryadel, E., Amini, A., Mianabadi, H., 2018. "Transboundary Wetlands and International Environmental Security Case Study: The Hamoon Wetland"; **Water Security and Climate Change Conference**, 03–05 December, Nairobi, Kenya.
10. Mianabadi, H., Afrad Irani, P., Ghoreishi, Z., Kermaniha, G, Khatibzadeh, Sh., 2018, "The Importance of Security of Water in Supplying Iran's Water Security", **Water Security and Climate Change Conference**, Kenyatta University, Nairobi.
11. Jarkeh, MR., Mianabadi, A., Mianabadi, H., 2015. "Developing new scenarios for water allocation negotiations: a case study of the Euphrates River Basin"; **International Conference Water Resources Assessment and Seasonal Prediction**, 13–16 October, Koblenz, Germany.

12. Mianabadi, H., Islam, S., Mostert, E., Van de Giesen, N., 2015. "From Arab Spring to Complex International Water Systems"; **Water-Food-Energy River and Society in the Tropics**, 18–20 November, Addis Ababa, Ethiopia.
13. Mianabadi, H., 2015. "Equity in Transboundary River basin Governance"; **Canadian & United States Society for Ecological Economics (CANUSEE 2015)**, 1–4 October, Vancouver, Canada.
14. Mianabadi, H., Mostert, E., Van de Giesen, N., 2015. "International River Basins and Climate Conflict Management"; **Energy, Water and Climate Change in the Mediterranean Building Bridges between Europe, the Middle East and North Africa (EWACC 2015)**, 15– 17 June, Nicosia, Cyprus.
15. Javidi Sabbaghian, R., Zarghami, M., Sharifi, M.B., Mianabadi, H., 2015. "Developing a Distance-Based Group Consensus Model under Risk Assessment for Effective Watershed Management"; **The 23<sup>rd</sup> International Conference on Multiple Criteria Decision Making MCDM 2015 – Bridging Disciplines (MCDM2015)**, 2–7 August, Hamburg, Germany.
16. Mianabadi, H., Mostert, E., Van de Giesen, N., 2014. "Adaptation to Climate Change and International Water Treaties: the case of Iran and Afghanistan"; **The 3<sup>rd</sup> Edition of Transboundary Waters Management in a Context of Climate Change**, 7–9 May, Québec, Canada.
17. Mianabadi, H., Mostert, E., Van de Giesen, N., 2014. "Climate Change, Global Water Security and Conflict Management"; **7<sup>th</sup> International Scientific Conference on the Global Water and Energy Cycle**, 14–17 July, The Hague, The Netherlands.
18. Mianabadi, H., Fasihi, M., Mostert, E., Van de Giesen, N., 2014. "Trans-boundary river basins management, from a project-oriented to a process-oriented approach"; **World Environmental & Water Resources Congress (EWRI 2014)**, 1–5 June, Portland, Oregon, USA.
19. Mianabadi, H., Mostert, E., Van de Giesen, N., 2013. "The impact of climate change on resiliency of international water treaties"; **International Conference on Regional Climate - CORDEX 2013**, 4–7 November, Brussels, Belgium.
20. Mianabadi, H., Mostert, E., Van de Giesen, N., 2013. "Glocal transboundary river basins management"; **NCR-DAYS 2013 Conference**, 3–4 October, UNESCO-IHE, Delft, Netherlands.
21. Mianabadi, H., Mostert, E., Zarghami, M., Van de Giesen, N., 2013. "Transboundary water resources allocation using bankruptcy theory; Case study of Euphrates and Tigris Rivers"; in: Roebeling, P., and Rocha, J., (Eds.), **Transboundary water management across borders and interfaces: present and future challenges (TWAM 2013)**, 16– 20 March, Aveiro, Portugal.
22. Mianabadi, H., Mostert, E., Van de Giesen, N., 2013. "Transboundary River Basins Management: From Conflict to Cooperation"; **6<sup>th</sup> International Conference on Water Resources and Environment Research (ICWRER 2013)**, 3–7 June, Koblenz, Germany.
23. Fasihi, M., Mianabadi, H., Vries, M., 2013. "Qanat's Qualifying Role among Urban Development; A Central Iran's Case Study"; **IWA-Workshop on Traditional Qanats Technologies (IWA-WSTQT 2013)**, 24– 26 October, Marrakech, Morocco.

24. Mianabadi, H., Mostert, E., Van de Giesen, N., 2012. "Analytical Methods for Hydro-conflict Management in Trans-boundary Rivers"; **Energy, Water and Climate Change– Building Bridges between Europe and MENA (EWACC 2012)**, 6- 12 December, Nicosia, Cyprus.
25. Mianabadi, H., Mirabi, M., Mostert, E., Sharifi, M.B., 2012. "Environmental Fuzzy Multi-Attribute Decision-Making in Integrated Wastewater Management"; **25<sup>th</sup> European Conference on Operational Research (EURO 2012)**, 8- 11 July, Vilnius, Lithuania.
26. Mianabadi, H., Van de Giesen, N., Mostert, E., Sheikhmohammady, M., 2012. "Application of Multi Attribute Decision Making Methods to Resources Allocation Problems"; **The 12<sup>th</sup> International Multi-disciplinary Scientific GeoConference (SGEM 2012)**, SGEM2012 Conference Proceedings/ ISSN 1314-2704, Vol. 4, 861 - 868 pp. June 17-23, Varna, Bulgaria. (doi: [10.5593/SGEM2012/S22.V4004](https://doi.org/10.5593/SGEM2012/S22.V4004))
27. Mianabadi, H., Mostert, E., 2011. "Hydropolitics of Hirmand River, water dispute between Iran and Afghanistan"; **NCR-DAYS 2011 Conference**, 27-28 October, TU Delft, Netherlands.
28. Mianabadi, H., Afshar, A., 2008. "A new method to evaluate weights of decision makers and its application in water resource management". **The 13<sup>th</sup> IWRA World Water Congress**, 1-4 September, Montpellier, France. (<http://196.36.166.88/iwra/Proceedings/Details.aspx?id=5>)

### Conference Papers (Persian):

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29. Jargeh, M.R., Mianabadi, A., Mianabadi, H., Tavakkoli, A., 2015. "Equitable water distribution in the Euphrates Basin"; **The 1<sup>st</sup> National Congress on Iran's Irrigation and Drainage**, 13-14 May, Mashhad, Iran.
30. Mianabadi, A., Mianabadi, H., 2014. "Application of bankruptcy theory in allocation of shared water resources; case study: Urmia Lake, Iran"; **The 5<sup>th</sup> Iranian Water Resources Management Conference**, 18-19 February, Tehran, Iran.
31. Mirshafee, S., Mianabadi, H., 2014. "Evaluation of bankruptcy methods for management of shared water resources"; **The 5<sup>th</sup> Iranian Water Resources Management Conference**, 18-19 February, Tehran, Iran.
32. Mianabadi, H., 2013. "A Review on International Water Law"; **7<sup>th</sup> National Congress on Civil Engineering (7NCCE)**, 7-8 May, Zahedan, Iran.
33. Mianabadi, H., 2012. "Water, Security and Transboundary Rivers"; **National Congress on Border Cities and Security; Challenges and Strategies (CBCS 2012)**, 18 - 19 April, Zahedan, Iran.
34. Mirabi, M., Mianabadi, H., Sharifi, M.B., Fallah Haghighi, M.R., 2012. "Integrated flood management using consensus-based group decision making". **The 9<sup>th</sup> International Congress on Civil Engineering (9icce)**, 8-10 May, Isfahan, Iran.

35. Mirabi, M., Tavakkoli, E., H., Sharifi, M.B., Mianabadi, 2011. "Assessment and risk management of water resources management plans"; **The 4<sup>th</sup> Iran Water resources Management Conference**, May 3-4, Tehran. Iran.
36. Mirabi, M., Mianabadi, H., Sharifi, M.B., 2011. "Application of multi attribute decision making to select the appropriate alternative for wastewater management; Case study: Niasar city, Iran". **The 6<sup>th</sup> national congress of civil engineering (6ncce)**, 26-27 April, Semnan, Iran.
37. Sabbaghian, J.R., Sharifi, M.B., Mianabadi, H., 2009. "Modeling of Water Resources and Consumptions within the basins by means of Mike-Basin software (Case study: Atrak River basin – Golestan province)". **The international conference on water resources (ICWR 2009)**, 16-18 August, Shahrud, Iran.
38. Mianabadi, H., Afshar, A., 2008. "Case study: Application of periodic monthly time series to generate monthly runoff and integrated water resources management of Kashafroud basin, Iran"; Poster Presentation, **The 3<sup>rd</sup> Iranian Water resources Management Conference**, October 14-16, University of Tabriz, Tabriz, Iran.
39. Mianabadi, H., Afshar, A., 2008. "Application of Ordered Weighted Averaging Method in Risk Management", Oral Presentation, **The first International Conference on Strategic Project Management**, August 12-13, Tehran, Iran.
40. Mianabadi, H., Afshar, A., 2007. "Application of multi attribute decision making (MCDM) to urban water supply of Zahedan city, Iran"; Oral Presentation, **The 2<sup>nd</sup> Iranian Water resources Management Conference**, January 12-13, Isfahan. Iran.

## AWARDS

- Distinguished Teaching Professor Award, 2024, Faculty of Agriculture, Tarbiat Modares University, Iran.
- Distinguished Research Professor Award, 2023, Faculty of Agriculture, Tarbiat Modares University, Iran.
- Distinguished Teaching Professor Award, 2023, Faculty of Agriculture, Tarbiat Modares University, Iran.
- Distinguished Research Professor Award, 2022, Faculty of Agriculture, Tarbiat Modares University, Iran.
- Registrations grant from Water Diplomacy Network, 2015, to attend the 2015 Water Diplomacy Workshop organized by faculty from Tufts University, Massachusetts Institute of Technology (MIT) and Harvard University, 22-26 June, 2015, Boston, MA, USA.
- Full scholarship and grant from the Building Bridges between Europe, the Middle East and North Africa, 2015, to attend Energy, Water and Climate Change (EWACC2015)-Building Bridges Conference and the Young Scholars Forum, 8-17 June 2015, Nicosia, Cyprus.

- [The first ranking of Iranian elite competition in Europe](#), 2014.
  - [The Lamminga fund](#), 2013, Delft University of Technology. Netherlands.
  - [Full scholarship and grant from World Climate Research Program \(WCRP\)](#), 2013, to attend International Conference on Regional Climate - CORDEX 2013, 4-7 November, Brussels, Belgium.
  - [Full scholarship and grant from the Mediterranean, Middle East and North Africa \(MENA\)](#), 2012, to attend Energy, Water and Climate Change (EWACC2012)-Building Bridges Conference and the Young Scholars Forum, 6-12 December 2012, Nicosia, Cyprus.
  - [Scholarship from Ministry of Science, Research and Technology of Iran](#), 2011, to study PhD at Delft University of Technology.
  - [Registrations grant from IAHS](#), 2009, to attend Symposium JS.3 at the Joint Convention of the International Association of Hydrological Sciences (IAHS) and the International Association of Hydrogeologists (IAH), 6–12 September 2009, Hyderabad, India.
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## **Research Projects:**

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1. Development of a conceptual model of the complex relationship between environmental changes and rural migrations in Iran, [2023](#).
2. Analysis of factors affecting the successful implementation of water policies based on the Iran's five-year development plans, [2021](#).
3. Comparative analysis of international models for water conflict resolution (A comparative analysis between Iran and the Netherlands), [2020](#).
4. Application of water-food-energy (WFE) nexus approach in water diplomacy and cooperative and sustainable management of transboundary river basins, [2019](#).
5. Developing a framework for the river basin organization (RBO) in transboundary river basins (Aras, Atrak and Hirmand transboundary river basins), [2018](#).
6. Investigating the legal, political and hydropolitical aspects of the Paris Agreement on climate change, [2016](#).

## Scientific lectures

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- ["Political, security and identity dimensions of the hydropolitics of transboundary Hirmand River Basin"](#), The first national conference of Iranian water engineering researches, Zabol University, Zabol, Iran April, 2023.
- ["Mechanisms a of stakeholders participation in water issues"](#), a specialized meeting to examine solutions for the convergence of the stakeholders of different provinces in Zayandehroud Basin, Isfahan, Iran, Dec., 2022.
- ["Hydraulic mission in Turkish hydropolitics"](#), Middle East Studies Research Institute, Tehran, Feb., 2021.
- ["The role of science in international water and environmental peace"](#), International Conference of Young Scientists "Science for Peace and Development", Western Asian Development Institute (WADI), Iran, Nov.10, 2020.
- ["An introduction to hydropolitics"](#), the first educational workshop on water diplomacy, Faculty of International Relations of the Ministry of Foreign Affairs, Tehran, Iran, May, 2017.
- ["An Introduction to Negotiation over Complex Water Systems"](#), Water Diplomacy Colloquium, Tufts University, USA, Apr.13, 2015.
- ["Water and Environmental Crisis in Iran"](#), Iranian Studies Group at MIT, MIT, USA, Sep. 26, 2015.
- ["Transboundary Water Resources Allocation Using Bankruptcy Theory; Case study of the Euphrates and Tigris Rivers"](#), IVM Institute for Environmental Studies, University of Amsterdam, Netherlands, Sep. 2013.
- ["Application Consensus Based Decision Making in Hydropolitics of Iran and Afghanistan"](#), Delft Water Colloquium, Delft University of Technology, Netherlands, Sep. 2011.

## Attendance in Training Workshops

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[Tufts and MIT Universities, Boston, USA](#), Water Diplomacy.

[UNESCO-IHE, Delft, The Netherlands](#); Water Data Sharing standards, tools and applications.

[TWAM Interactional Workshops, Aveiro, Portugal](#); Soil and Water Assessment Tool (SWAT Software).

[ACSAD-BGR Cooperation, Damascus, Syria](#): Applying WEAP Software as a Decision Support System (DSS) for IWRM. Stockholm Environment Institute (SEI).

[Tehran University, Tehran, Iran](#): WEAP, River Basin Simulation Software, Stockholm Environment Institute US Center.

[Iranian National Committee on Irrigation and Drainage, Tehran, Iran](#); Effects of climate change in water Resources management.

Sharif University, Tehran, Iran; Workshop on Strategic Project Management and Value Engineering.

## **Professional Activities**

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Owner of [Hydropolitics and Water Policy](#); a professional group in [LinkedIn](#)

## **Professional Society**

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IACM: International Association for Conflict Management

EAERE: European Association of Environmental and Resource Economists

IAHS: International Association on Hydrologic Science

IWHA: International Water History Association

ISIF: International Society of Information Fusion

IRWRA: Iranian Water Resources Association

SIVE: Iranian Value Engineering Association

EGU: European Geosciences Union

WDN: Water Diplomacy Network