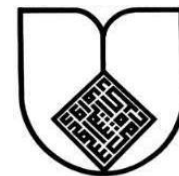


**Isfahan University of Medical Sciences  
Curriculum Vitae (CV)**




Isfahan University of Medical Sciences

**2024**

**First Name:** Malihe

**Last Name:** Moazeni

	<b>Isfahan University of medical sciences, HezarJerib.st.</b>	
	<b>Research Center</b>	Environment Research Center
	<b>Faculty</b>	Health
	<b>E-mail</b>	<a href="mailto:Malihe_moazeni@hlth.mui.ac.ir">Malihe_moazeni@hlth.mui.ac.ir</a> <a href="mailto:moazenimalihe@gmail.com">moazenimalihe@gmail.com</a>
	<b>Homepage</b>	
	<b>Cell Phone</b>	(+98) 9133202671
	<b>Work Phone</b>	(+98) 3137923240
	<b>Position Title</b>	Assistant professor

**Research IDs**

Item	Value	Web address
ORCID	0000-0002-8335-8483	<a href="https://orcid.org/0000-0002-8335-8483">https://orcid.org/0000-0002-8335-8483</a>
Web of Science Researcher ID	AFT-2506-2022	<a href="https://www.webofscience.com/wos/author/record/AFT-2506-2022">https://www.webofscience.com/wos/author/record/AFT-2506-2022</a>
Scopus Author ID	56593589100	<a href="https://www.scopus.com/authid/detail.uri?authorId=56593589100">https://www.scopus.com/authid/detail.uri?authorId=56593589100</a>
Google Scholar	-	<a href="https://scholar.google.com/citations?user=gNe0YAUA AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=gNe0YAUA AAAAJ&amp;hl=en</a>
ResearchGate	-	<a href="https://www.researchgate.net/profile/Malihe-Moazeni">https://www.researchgate.net/profile/Malihe-Moazeni</a>
LinkedIn	-	<a href="https://www.linkedin.com/in/malihe-moazeni-94632871/?originalSubdomain=ir">https://www.linkedin.com/in/malihe-moazeni-94632871/?originalSubdomain=ir</a>
Semanticscholar	-	<a href="https://www.semanticscholar.org/author/M.-Moazeni/23526531">https://www.semanticscholar.org/author/M.-Moazeni/23526531</a>

**Academic Qualifications**

- 2023-2024 **Postdoctoral Research Fellow**, Isfahan University of Medical Sciences, Isfahan, Iran

Research topic: Prediction of the surface water quality using climate modelling with an artificial intelligence approach in Isfahan province in three decades 2030, 2060, and 2090

Supervisor: Prof. Afshin Ebrahimi

- 2016-2022 **Doctoral Researches**, Environmental Health Engineering (1st rank)

Department of health, Isfahan University of Medical Sciences, Isfahan, Iran

Dissertation research topic: Synthesis and Survey of Eco-Friendly Composites Activity in Degradation and Detoxification Antibacterial Compounds from Water Resources with Proxymonosulfate

Supervisor: Prof. Afshin Ebrahimi

- 2014-2016 **Master of Science**, Environmental Health Engineering

Department of health, Isfahan University of Medical Sciences, Isfahan, Iran

Dissertation research topic: Detection of enteroviruses and total and fecal coliforms in wastewater treatment plants in Isfahan

Supervisor: Prof. Mahnaz Nikaeen

- 2014-2016 **Bachelor of Science**, Environmental Health Engineering

Department of health, Isfahan University of Medical Sciences, Isfahan, Iran

Project research topic: Survey of Bacterial and Chemical Pollution Indexes Associable in Consumed Bottled Mineral Water in Isfahan with Available Canonical

Supervisor: Prof. Afshin Ebrahimi

### **Fields of Interest**

Research in environmental health including Eco-friendly and green nanomaterials synthesis, Metal-Organic-Frameworks (MOFs), Water treatment, Advanced oxidation processes (AOPs), Adsorption, Climate change, Machine learning, Water quality, Environmental risk assessment, Environmental microbiology, Environmental meta-analysis studies

### **Work Experience**

- 2024-present Assistant Professor in Environment Research Center in Isfahan University of Medical Sciences
- 2022-2024 Lecturer in University of Applied Science and Technology
- 2015-2016 Research Assistant in Iran's National Elites Foundation

## Teaching Experience

<b>Year</b>	<b>Course title</b>	<b>Major</b>
2014	The application of geographic information system (GIS) Internship	BS
2018	The application of remote sensing (RS) internship	BS
2018	The application of remote sensing and geographic information systems	MS
2019	The application of geographic information system (GIS) Internship	MS
2020	The application of remote sensing and geographic information systems	MS
2021	The application of geographic information system (GIS) related to internship in the field	BS
2022	Special industrial waste	BS
2022	Specialized language for health, safety, and environment (HSE)	BS
2023	Computer use in health, safety, and environment (HSE)	BS
2023	Safety in non-metallic and chemical industries	BS

## **Honors**

- Second rank in the selected thesis of the specialized Ph.D. program at the Iranian Water and Wastewater Association Festival in 2023
- Selected as the top 10% achievement of the third international scientific competition of the Mustafa Science and Technology Foundation 2023 entitled "Synthesis of a nano-heterostructure based on metal-organic framework to the removal of triclosan from water coupled with peroxymonosulfate"
- Selected as the winner of the Shahid Chamran Award of the Iran's National Elite Foundation in 2022
- Selected as the winner of the project to identify and attract human capital in the executive bodies of the Iran's National Elite Foundation in 2022
- Member of Talent Office in the specialized Ph.D. program at Isfahan University of Medical Sciences 2022
- Outstanding Research Student by the Deputy Minister of Research and Technology of the Ministry of Health, Treatment and Medical Education in 2022
- First rank in the Environmental Festival of the Isfahan Environmental Protection Organization in the field of ideas centered on the water crisis and sustainable development in 2021
- Selected as the best research project in the first national festival of student research and technology and twenty The Third National Congress and the Ninth Annual International Congress of the National Student Research Committee of the Ministry of Health, Treatment and Medical Education
- Winner of the Isfahan Science and Research City Bud Technology Grant based on the Ph.D. thesis in 2019-2021
- Winner of the Alborz Foundation Prize (Iranian Nobel) in 2020

- Third rank in the selected master's thesis in the Environmental Health Festival of the Zanjan University of Medical Sciences in 2018
- First rank in the Ph.D. in 2017-2021 in the field of Environmental Health Engineering at Isfahan University of Medical Sciences
- Winner of the technological idea "Designing an application to determine the physicochemical indicators of water using a mobile phone" in the conference from idea to health wealth at the University of Medical Sciences and Isfahan Elite Foundation in 2016
- Winner of the Outstanding Talented Students Award of the Iran's National Elite Foundation in 2015
- Accepted process manager in the 8th Shahid Motahari Educational Festival entitled "Introduction to Arc GIS" 9.3 in Health Sciences" in 2015
- Distinguished Researcher of the Health School, Isfahan University of Medical Sciences in 2011, 2012 and 2021
- Pioneering Scientific and Research Student of Isfahan University of Medical Sciences in 2011 and 2012

### **Membership**

- Think Tank for Change in Water Governance member, a sub-group of Think Tanks for Youth, Center for the Iranian Islamic Model of Progress in 2021-present
- Water Working Group of the Center for Scholarly Management of the National Elites Foundation of in Isfahan member in 2021-present
- Membership in Cochrane in 2022
- Membership in the Student Research Committee of the Health School in 2017-2022

- Secretary of the Student Research Committee of the Health School, Isfahan University of Medical Sciences in 2010-2012
- Member of the Central Council of the Student Research Committee of Isfahan University of Medical Sciences in 2010-2012

### Article Reviewer

- |   |   |
|---|---|
| ✓ Journal of Health System Research (HSR)             | ✓ Ecotoxicology and Environmental Safety                    |
| ✓ Yafte journal of medical sciences (YJMS)            | ✓ Journal of Applied Water Engineering and Research         |
| ✓ Journal of Water Process Engineering                | ✓ Environmental Geochemistry and Health                     |
| ✓ Chemical Engineering Journal                        | ✓ Journal of Water and Health                               |
| ✓ Journal of Environmental Chemical Engineering       | ✓ International Journal of Environmental Health Engineering |
| ✓ Process Safety and Environmental Protection Journal | ✓ Environmental Sciences and pollution Research (ESPR)      |
| ✓ Marine Pollution Buletine                           | ✓ Desalination and water treatment                          |
| ✓ Food Packaging and Shelf Life                       | ✓ Scientific Report   |

### Publications

#### International Journal Papers

1. Afshin Ebrahimi, Kun-Yi Andrew Lin, **Malihe Moazeni** (Correspond Author). A comparative investigation on the decomposition of triclosan via synthesized heterogeneous nano-catalysts in the presence of peroxymonosulfate. Catalysis Communications. 2024. (ISI, Q1, IF=3.7). (<https://doi.org/10.1016/j.catcom.2023.106820>).
2. Afshin Ebrahimi, Karim Ebrahimpour, Farzaneh Mohammadi, **Malihe Moazeni** (Correspond Author). Ecotoxicological and human health risk assessment of triclosan antibacterial agent from municipal wastewater treatment plants. Journal of Water and Health. 2023. (ISI, Q2, IF=2.3). (<https://doi.org/10.2166/wh.2023.070>).

3. Malihe Moazeni, Karim Ebrahimpour, Farzaneh Mohammadi, Zahra Heidari, Afshin Ebrahimi. Human health risk assessment of Triclosan in water: spatial analysis of a drinking water system. *Environmental Monitoring and Assessment*. 2023. (ISI, Q2, IF=3). (<https://doi.org/10.1007/s10661-023-11789-3>).
4. Elham Attarian, Farzaneh Mohammadi, Karim Ebrahimpour, **Malihe Moazeni**, Mohammadreza Maracy, Afshin Ebrahimi & Roya Kelishadi. Health risk assessment of exposure to triclosan in pregnant women using Monte Carlo simulation techniques: based on biomonitoring data. *Journal of Environmental Science and Health, Part C Toxicology and Carcinogenesis*. 2023. (ISI, Q2, IF=1.650). (<https://doi.org/10.1080/26896583.2023.2226587>).
5. **Malihe Moazeni**, Mohammad Reza Maracy, Roghayeh Ghazavi, Jorge Bedia, Kun-Yi Andrew Lin, Afshin Ebrahimi. Removal of triclosan from aqueous matrixes: A systematic review with detailed meta-analysis. *Journal of Molecular Liquids*. 2023. (ISI, Q1, IF=6.633). (<https://doi.org/10.1016/j.molliq.2023.121450>).
6. **Malihe Moazeni**, Mohammad Rahimi, Afshin Ebrahimi. What are the Effects of Climate Variables on COVID-19 Pandemic? A Systematic Review and Current Update. *Advanced Biomedical Research*. 2023. (ISI, ESCI). (<https://www.advbiores.net/text.asp?2023/12/1/33/370359>).
7. **Malihe Moazeni**, Karim Ebrahimpour, Mahmoud Etebari, Jorge Bedia, Kun-Yi Andrew Lin, Afshin Ebrahimi. Cobalt ferrite/MIL-101(Fe)/graphene oxide heterostructures coupled with peroxymonosulfate for triclosan degradation. *Journal of Water Process Engineering*. 2022. (ISI, Q1, IF = 7.34). (<https://doi.org/10.1016/j.jwpe.2022.103214>).
8. Elham Attarian, Karim Ebrahimpour, Mohammadreza Maracy, Seyede Shahrbanoo Daniali, Bahareh Shoshtari-Yeganeh, **Malihe Moazeni**, Afshin Ebrahimi, and Roya Kelishadi. Effect of Maternal Triclosan Exposure on Neonatal Thyroid-Stimulating Hormone Levels: A Cross-Sectional Study. *Journal of Environmental and Public Health*. 2022. (ISI, Q2, IF = 2.791). (<https://doi.org/10.1155/2022/3082304>).
9. **Malihe Moazeni**, Seyed Mehran Hashemian, Mika Sillanpää, Afshin Ebrahimi, Ki-Hyun Kim. A heterogeneous peroxymonosulfate catalyst built by Fe-based metal-organic framework for the dye degradation. *Journal of environmental management*. 2022. (ISI, Q1, IF = 8.91). (<https://doi.org/10.1016/j.jenvman.2021.113897>).

10. **Malihe Moazeni**, Mohammad Reza Maracy, Bahare Dehdashti, Afshin Ebrahimi. Spatiotemporal analysis of COVID-19, air pollution, climate, and meteorological conditions in a metropolitan region of Iran. **Environmental Science and Pollution Research**. 2021. (**ISI, Q1, IF = 5.190**). (<https://link.springer.com/article/10.1007/s11356-021-17535-x>).
11. **Malihe Moazeni**, Sahar Gholipour, Behzad Mahaki, Afshin Ebrahimi. Short-term impact of two kinds of vegetables to exogenous total nitrate and nitrite intake: Is antibacterial mouthwash influential? **International Journal of Preventive Medicine**. 2021. (**Q2, ESCI, ISI**). (<https://www.ijpvmjournal.net/text.asp?2021/12/1/168/332543>).
12. F. Esteki, H. Karimi, **M. Moazeni**, Z. Esfandiari, M. Zarean, H. Pourzamani. Risk Assessment of Phthalate Compounds in Bottled Water Consumed in Isfahan, Iran. **Journal of Food Quality and Hazards Control**. 2020. (**Q3, Scopus**). (<https://jfqhc.ssu.ac.ir/article-1-877-en.html>).
13. Mohammad Reza Maracy, Fariba Jaffary, Afshin Ebrahimi, Fatemeh Sokhanvari, Asieh Heidari, Hanieh Sharifian-Koupaiee, Reza Fadaei, Javad Ramazanpour, **Malihe Moazeni**. GIS-based risk mapping of cutaneous leishmaniasis: a survey in an endemic area of Central Iran. **Environmental Science and Pollution Research**. 2020. (**ISI, Q1, IF = 5.190**) (<https://link.springer.com/article/10.1007/s11356-021-14455-8>).
14. **Malihe Moazeni**, Zahra Heidari, Sahar Gholipour, Leila Ghaisari, Mika Sillanpää, Afshin Ebrahimi. Dietary intake and health risk assessment of nitrate, nitrite, and nitrosamines: a Bayesian analysis and Monte Carlo simulation. **Environmental Science and Pollution Research**. 2020. (**ISI, Q1, IF = 5.190**) (<https://link.springer.com/article/10.1007/s11356-020-10494-9>).
15. Hamidreza Pourzamani, Mohammad Keshavarz, **Malihe Moazeni**, Zahra Heidari, Maryam Zarean. Effect of common storage condition on the release of phthalate contaminants of bottled water in polyethylene terephthalate: A chemical analysis and human health risk assessment. **International Journal of Environmental Health Engineering**. 2020. (**Q4, Scopus**). (<https://www.ijehe.org/article.asp?issn=22779183;year=2020;volume=9;issue=1;page=12;page=12;auiast=Pourzamani;type=0>).
16. **Malihe Moazeni**, Saeed Parastar, Mokhtar Mahdavi, Afshin Ebrahimi. Evaluation efficiency of Iranian natural zeolites and synthetic resin to removal of lead ions from aqueous solutions. **Applied Water Science**. 2020. (**ISI, Q3, IF = 5.411**). (<https://link.springer.com/article/10.1007/s13201-019-1135-1>).



17. Afshin Ebrahimi, Elaheh Karimpoor, Zahra Godazandehha, Zahra Heidari, Maryam Zarean, **Malihe Moazeni** (Correspond Author). Exposure Assessment of Total Mercury: A Probabilistic-Approach Study Based on Consumption of Canned Fish. **Journal of Environmental Health and Sustainable Development**. (Scopus). 2017. (<https://jehsd.ssu.ac.ir/article-1-194-en.html>).
  
18. A. Ebrahimi M. Zarean, F. Teimouria, **M. Moazeni**. Degradation of Low Concentrations of Formaldehyde in Sono Catalytic Ozonation Advanced Oxidation Processes using Zero-valent Iron. **International Journal of Engineering**. 2017. (ESCI, ISI). ([https://www.ije.ir/article\\_72897.html](https://www.ije.ir/article_72897.html)).
  
19. **Malihe Moazeni**, Afshin Ebrahimi, Nasim Rafiei, Hamid Reza Pourzamani. Removal of lead ions from aqueous solution by Nano Zero-Valent Iron (nZVI). **Health Scope**. 2017. (ESCI). ([10.5812/jhealthscope.40240](https://doi.org/10.5812/jhealthscope.40240)).
  
20. **Malihe Moazeni**, Mahnaz Nikaeen, Mahdi Hadi, Sharareh Moghim, Leili Mouhebat, Maryam Hatamzadeh, Akbar Hassanzadeh. Estimation of health risks caused by exposure to enteroviruses from agricultural application of wastewater effluents. **Water research**. 2017. (ISI, Q1(5%), IF = 7.051). (<https://doi.org/10.1016/j.watres.2017.08.028>).
  
21. Afshin Ebrahimi, **Malihe Moazeni**, Zahra Esfandiari, Fateme Estaki, Amir Masoud Samani Majd, Maryam Mirlohi, Zohreh Abdi Moghadam, Majid Falahati, Hamidreza Pourzamani. Qualitative Evaluation of Bottled Water Stored in Polyethylene Terephthalate Based on Organic Chemical Compounds. **Anuário do Instituto de Geociências**. 2016. (Scopus). ([https://doi.org/10.11137/2016\\_2\\_29\\_35](https://doi.org/10.11137/2016_2_29_35)).
  
22. **Malihe Moazeni**, Afshin Ebrahimi, Maryam Atefi, Behzad Mahaki, Hossein Ali Rastegari. Determination of nitrate and nitrite exposure and their health risk assessment in 21 brands of bottled waters in Isfahan's market in 2013. **International Journal of Environmental Health Engineering**. (ISC). 2014. (<https://www.ijehe.org/text.asp?2014/3/1/28/139747>).
  
23. **M Moazeni**, M Atefi, A Ebrahimi, P Razmjoo, M Vahid Dastjerdi. Evaluation of chemical and microbiological quality in 21 brands of Iranian bottled drinking waters in 2012: a comparison study on label and real contents. **Journal of environmental and public health**. 2014. (ESCI). (<https://doi.org/10.1155/2013/469590>).

24. Hajar Pourgheysari, **Malihe Moazeni**, Afshin Ebrahimi. Heavy metal content in edible salts in Isfahan and estimation of their daily intake via salt consumption. **International Journal of Environmental Health Engineering**. 2012. (ISC). (<https://www.ijehe.org/text.asp?2012/1/1/8/94392>).

### National Journal Papers

1. Sahar Gholipour, Zahra Shamsizadeh, **Malihe Moazeni**, Mahnaz Nikaeen. Environmental Aspects of the Coronaviruses Transmission: A Narrative Review. **Journal of Isfahan Medical School**. 2020. (Scopus). ([https://jims.mui.ac.ir/article\\_16051\\_en.html](https://jims.mui.ac.ir/article_16051_en.html))
2. Mahnaz Nikaeen, Mehri Seddigh, Sahar Gholipour, **Malihe Moazeni**. Investigation of the Presence of Adenoviruses and Enteroviruses in Effluent of Municipal Wastewater Treatment Plants. **Journal of Health System Research (HSR)**. 2019. (Scopus). (<https://hsr.mui.ac.ir/article-1-1058-en.html>)
3. **Malihe Moazeni**, Afshin Ebrahimi, Nasim Rafiei, Hamid Reza Pourzamani. Removal of Arsenic (III) and Chromium (VI) from Aqueous Solutions Using Nanoscale ZeroValent Iron (nZVI) Particles and Determining Adsorption Isotherms. **Journal of Health System Research (HSR)**. 2017. (Scopus). (<https://hsr.mui.ac.ir/article-1-907-en.html>)
4. Rahim Aali, Mahnaz Nikaeen, Maryam Hatemzadeh, **Malihe Moazani**, Hossein Khan Ahmad, Ali Shahryari. The role of Hospital Wastewaters in Dissemination of Antibiotic Resistant Bacteria and Resistance Genes to the Environment. **Journal of Environmental Health Engineering**. 2016. (ISC). (<https://jehe.abzums.ac.ir/article-1-243-fa.html>)
5. Pourgheysari H, **Moazeni M**, Ebrahimi A, Khodabakhshi A. Determining Contamination of Heavy Metals in Edible Salts of Isfahan Market in 2011. (<http://tbj.ssu.ac.ir/article-1-1771-fa.html>)

### Conference papers

1. **Malihe Moazeni**, Afshin Ebrahimi. Synthesis and catalytic application of new nanocomposite containing cobalt ferrite in removing an important antimicrobial compound from water. 3<sup>rd</sup> International Conference on New Technologies in Sciences. Amol University of Special Modern Technologies. 2023.
2. **Malihe Moazeni**, Sahar Gholipour, Afshin Ebrahimi. Survey of Lettuce Consumption on Total Nitrate and Nitrite in Consumer's Saliva and Urine: A Case Study in Isfahan. 4<sup>th</sup> International and 23<sup>rd</sup> National Conference on Environmental Health. Yazd, Iran. 2021.

- 3. Malihe Moazeni**, Mahnaz Nikaeen, Mahdi Hadi, Sharareh Moghim, Maryam Hatamzadeh, Akbar Hassanzadeh. Comparison of deterministic and probabilistic methods for infection risk assessment of enteroviruses in consumption of vegetables irrigated with wastewater effluent. 3<sup>rd</sup> International and 21<sup>th</sup> National Conference on Environmental Health. Zanjan, Iran. 2019.
- 4. Malihe Moazeni**, Afshin Ebrahimi, Nasim Rafiei, Behzad Mahaki. Health Risk Assessment of Nitrate and Nitrite in Bottled Waters in Isfahan. 2<sup>rd</sup> International and 20<sup>th</sup> National Conference on Environmental Health. Yazd, Iran. 2017.
- 5. Malihe Moazeni**, Mahnaz Nikaeen, Sharareh Moghim, Leile Mouhebat, Maryam Hatamzadeh, Akbar Hassanzadeh. Seasonal Circulation of Enteroviruses in Treated Wastewater and Correlation with Bacterial Indicators. 2<sup>rd</sup> International and 20<sup>th</sup> National Conference on Environmental Health. Yazd, Iran. 2017.
- 6. Malihe Moazeni**, Afshin Ebrahimi, Nasim Rafiei, Hamid Reza Pourzamani. Arsenic and Chromium Removal by Nanoscale Zero Valent Iron from Aqueous Solutions. 2<sup>rd</sup> International and 20<sup>th</sup> National Conference on Environmental Health. Yazd, Iran. 2017.
- 7. Malihe Moazeni**, Fatemeh Esteki, Hamid Reza Pourzamani. Risk assessment of migrated phthalate esters (di-2-ethylhexyl phthalate and dibutyl phthalate) via consumption of polyethylene terephthalate bottled water. Conference on environmental health and sustainable development. 2016.
- 8. Malihe Moazeni**, Hamid Reza Pourzamani, Afshin Ebrahimi, Fatemeh Esteki. Study on the migration of Phthalates (Pes) and Alkyl Phenol (AP) in bottled water. 5<sup>th</sup> International Conference on Sustainable Development and Urban Construction, Esfahan, Iran. 2015.
- 9. Malihe Moazeni**, Hamid Reza Pourzamani, Fatemeh Esteki, Afshin Ebrahimi. Evaluation of organic chemical quality of bottled waters stored in polyethylene terephthalate. The First National Packaged Water Conference. Tehran, Iran. 2015.
- 10. Malihe Moazeni**, Mahnaz Nikaeen, Afshin Ebrahimi, Maryam Atefie. Investigation the chemical and microbial quality of bottled mineral waters in comparison with standard values and information on the label. The First National Packaged Water Conference. Tehran, Iran. 2015.

## **Books**

- 1. Malihe Moazeni**, Afshin Ebrahimi. Application of Geographic Information System (ArcGIS 9.3) in Health Sciences. Publisher: Isfahan University of Medical Sciences. 2015.