CURRICULUM VITAE

Name: Hoda Amiri

Address (University): Department of Environmental Health Engineering, Shiraz University of Medical Sciences, Shiraz, Iran

E-mail : hoda.amiri@gmail.com

Find me at authors' profiles systems:

- **Scopus author ID:**
  - https://www.scopus.com/authid/detail.uri?authorId=36894681400
- **ISI Researcher ID:**
  - https://www.webofscience.com/wos/author/rid/ABD-1578-2020/
- **Google (scholar) citation service:**
  - https://scholar.google.com/citations?hl=en&user=kbpQ-I8AAAAJ
- **ORCID:**
  - https://orcid.org/0000-0001-5180-3047

Educations

Date	Major and Thesis Title	Score
9/2013 – 11/2017	**Ph.D.** Environmental Health, Tehran university of medical sciences, Tehran-Iran. **Thesis title:** Survey of Chlorpyrifos removal in agriculture runoff using advance oxidation process using TiO2+UVC, TiO2+visible light and photo-Fenton	20/20
9/2007 - 8/2010	**MS.** Environmental Health Engineering, Jundishapour university of medical sciences, Ahvaz-Iran. **Thesis title:** Comparison between volcanic ash and modified solid waste vegetable oil industry as an adsorbent in removal of arsenic from aqueous solution	20/20
9/2003 - 8/2007	**B.Sc.** Environmental Health Engineering, Isfahan university of medical sciences, Isfahan -Iran.	

Honors/Awards

- The top student in the MSc of Environmental Health Engineering, Jundishapour university of medical sciences.
- The first rank as a faculty member in the Alborz university of medical science, 2012.
- Receiving the Statue and the title of the Top Masters Dissertation " Comparison between volcanic ash and modified solid waste vegetable oil industry as an adsorbent in removal of arsenic from aqueous solution " at Scientific Festival of Environmental Health of Iran , 2011.
- Receiving the Statue of Top researcher in the Alborz university of medical science, 2012.
- Member of Iran's National Elites Foundation.
- Receiving the award of the Top scientific talented of Iran's National Elites Foundation, 2022.

Work Experiences

2010-2013	Faculty member at Alborz University of Medical Sciences, Department of Environmental Health
2019-2024	Faculty member at Kerman University of Medical Sciences, Department of Environmental Health
2024-Present	Faculty member at Shiraz University of Medical Sciences, Department of Environmental Health

Course Teaching

Course name	Degree	Institution
Municipal Wastewater Treatment	B.Sc	Alborz & Kerman University of University of Medical Sciences
Industrial Wastewater Treatment	B.Sc	Alborz & Kerman University of University of Medical Sciences
Management of Industrial Wastewater	M.Sc	Kerman University of University of Medical Sciences
Environmental Management and Sustainable Development Goals	M.Sc	Kerman University of University of Medical Sciences
Ecology and Sustainable Development	M.Sc	Kerman University of University of Medical Sciences
Specialist language for Environmental Health & Environmental Toxicology & Ecology	M.Sc	Kerman University of University of Medical Sciences
Advances in Water and Wastewater Treatment Technologies	Ph.D	Kerman University of University of Medical Sciences
Solid Waste Management	Ph.D	Shiraz University
Sustainable Development Goals	Ph.D	Shiraz University

Workshop Teaching

Tittle	Place
Principles of Industrial wastewater management	Zagros Petrochemical Company, Asaluyeh, Bushehr, Iran
Environmental Pollutions	Zagros Petrochemical Company, Asaluyeh, Bushehr, Iran
Solid waste recycling, reuse and recovery	Shiraz Municipality Waste Management Organization
Management of hazardous laboratory chemical waste	Kerman University of University of Medical Sciences

ISI published papers

Title	Authors	Journal	Journal IF	Year
A) Monitoring and biomonitoring research				
Heavy metals in edible red soil of the rainbow island in the Persian Gulf: Concentration and health risk assessment	Mosallaei S, Abbasi S, Jalaliyan E, **Amiri H*,** Hoseini M	Chemosphere	8.943	2023
Human occupational exposure to microplastics: A cross-sectional study in a plastic products manufacturing plant	Shahsavaripour M, Abbasi S, Mirzaee M, **Amiri H***	Science of the Total Environment	10.753	2023

Using biomonitoring as a complementary approach in BTEX exposure assessment in the general population and occupational settings: A systematic review and meta-analysis	Hoseini M, Samaei M, Shahesmaeili A, Martinez S, **Amiri H***	Reviews on Environmental Health	4.022	2022
Adolescent transport and unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019	Peden AE, Cullen P, Francis KL, M, Zou Z, Sawyer SM, Aali A, Z…., **Amiri Hoda, …**	The Lancet Public Health	72.427	2022
Paraquat induced oxidative stress, DNA damage, and cytotoxicity in lymphocytes	Alizadeh S, Anani-Sarab G, **Amiri H**, Hashemi M	Helyon	3.776	2022
Assessing oxidative stress resulting from environmental exposure to metals (Oids) in a middle Eastern population	Rafiee, A., Delgado-Saborit JM., Aquilina NJ., **Amiri, H.**, Hoseini, M.	Environmental Geochemistry and Health	4.898	2022
Health consequences of disinfection against SARS-CoV-2: Exploring oxidative stress damage using a biomonitoring approach	Rafiee, A., Delgado-Saborit, JM., Sly, PD., **Amiri, H.,** Mosalaei, S., Hoseini, M.	Science of the Total Environment	10.753	2022
Geophagy and microplastic ingestion	**Amiri, H.,** Hoseini, M., Abbasi, S., Malakootian, M., Hashemi, M., Jaafarzadeh, N., Turner A	Journal of Food Composition and Analysis	4.52	2022
Exploring urinary biomarkers to assess oxidative DNA damage resulting from BTEX exposure in street children	Rafiee, A., Delgado-Saborit, JM., Sly, PD., **Amiri, H.,** Hoseini, M.	Environmental Research	8.431	2022

Microplastics in the Lut and Kavir Deserts, Iran	Abbasi, S., Turner, A., Hoseini, M., **Amiri, H*.**	Environmental Science and Technology	11.357	2021
Assessment of fungal bioaerosols and particulate matter characteristics in indoor and outdoor air of veterinary clinics	Mosalaei, S, **Amiri H**, Rafiee A, Abbasi A, Norouzian A, Hoseini M.	Journal of Environmental Health Science and Engineering	3.433	2021
Lifestyle and occupational factors affecting exposure to BTEX in municipal solid waste composting facility workers	Rafiee, A., Delgado-Saborit, JM., Sly, P.D., **Amiri, H.,** Hoseini M	Science of the Total Environment	10.753	2019
B) Water and wastewater Research				
Advanced oxidation processes for phthalate esters removal in aqueous solution: a systematic review	**Amiri, H**, Martinez SS, Ansari M, Soori M	Reviews on Environmental Health	4.022	2022
Synthesis of Fe3O4@activated carbon to treat metronidazole effluents by adsorption and heterogeneous Fenton with effluent bioassay	Nafiseh S, Nasiri A, Martínez SS, **Amiri H*.**	Journal of Photochemistry and Photobiology A: Chemistry	5.141	2022
Assessing impact of activated sludge treatment plant effluent on selected environmental factors: case study of Kerman wastewater treatment plant effluent	Sheykh Al-Islmi S, **Amiri H**, Malakootian M	Desalination and Water Treatment	1.273	2021
Chlorpyrifos remediation in agriculture runoff with homogeneous solar photo-Fenton reaction at near neutral pH: phytotoxicity assessment	Naddafi K, Martinez SS, Nabizadeh R, Yaghmaeian K, Shahtaheri J, **Amiri H***	Water Science and Technology	2.43	2021

Advanced oxidation processes for the removal of organophosphorus pesticides in aqueous matrices: A systematic review and meta-analysis	Malakootian M, Shahesmaeili A, Faraji M, **Amiri H***, Martinez SS,	Process Safety and Environmental Protection	7.926	2020
'Response surface methodology modeling to improve degradation of Chlorpyrifos in agriculture runoff using TiO_2 solar photocatalytic in a raceway pond reactor	**Amiri H**, Nabizadeh R, Martinez SS, Shahtaheri J, Yaghmaeian K, Badiei A, Nazmara S, Naddafi K	Ecotoxicology and Environmental Safety	7.129	2019
Modeling of Chlorpyrifos degradation by TiO_2 photocatalysis under visible light using response surface methodology	Naddafi K, Nabizadeh R, Martinez SS, Shahtaheri J, Yaghmaeian K, Badiei A, Nazmara S, **Amiri H***,	Desalination and Water Treatment	1.273	2018
Effect of pretreatment on Ceratophyllum demersum for enhanced biosorption of Cr(VI) and Cd(II)	Teymouri P, Jaafarzadeh N, Mostoufi A, **Amiri H**, Alavi N, Dinarvand M, Ahmadi M	Environmental Engineering and Management Journal	0.858	2017
Optimization of As(III) removal in hard water by electrocoagulation using central composite design with response surface methodology'	Yaghmaeian K, Martínez SS, Hoseini M, and **Amiri H***,	Desalination and Water Treatment	1.273	2016
'Removal of as (III) and as (V) from Aqueous Solution Using Modified Solid Waste Vegetable Oil Industry as a Natural Adsorbent'	Jaafarzadeh N, Ahmadi M, Martínez SS, **Amiri H***,	Environmental Engineering and Management Journal	0.858	2014
'Upgrading of the Mirmohana Wastewater Treatment Plant in Kish Island, Iran, Using a Moving Bed Biofilm Reactor'	Ahmadi M, **Amiri H**, Ramavandi B, Izanloo H	Iranian Journal of Health Sciences		2014
'Factorial Experimental Design	Jaafarzadeh N,	Environmental		2012

Application in Modification of Volcanic Ash as a Natural Adsorbent with Fenton Process for Arsenic Remova	Ahmadi M, **Amiri H***,	technology	3.475	
'Predicting Fenton Modification of Solid Waste Vegetable Oil Industry for Arsenic Removal Using Artificial Neural Networks	Jaafarzadeh N, Ahmadi M, **Amiri H**,	Journal of the Taiwan Institute of Chemical Engineers	5.447	2012
Treatment of Phenol-Formaldehyde Resin Manufacturing Wastewater by the Electrocoagulation Process	Ahmadi M, **Amiri H***, Martínez SS	Desalination and Water Treatment	1.273	2012
THMs Assessment in Khuzestan Rural Water Treatment Plants	Ahmadi M, Keyani A, **Amiri H**, Hasani AH, Sekhavatjoo MS, Takdastan A	International Journal of Environmental Health Engineering		2012
Upgrading of Kish Island Markazi Wastewater Treatment Plant by MBBR	Ahmadi M, Izanloo H, **Amiri H**, Noori Sepehr M	Journal of Water Reuse and Desalination	3.05	2011
Application of Leca Modified with Fenton in Arsenite and Arsenate Removal as an Adsorbent	**Amiri H**, Jaafarzadeh N, Ahmadi M, Martínez SS,	Desalination	11.21	2011
Measurement of Fluoride Concentration in Semnan Drinking Water Distribution'	Noori Sepehr M, **Amiri H***,	Iranian Journal of Toxicology		2011
'Investigation of Toc Removal from Industrial wastewaters Using Electrocoagulation Process	Ahmadi M, **Amiri H***,	Iranian Journal of Health and Environment		2010

***: Corresponding Author**

Published / Translate book in Persian

Tittle	Author	Translators	Year
Health Impact assessment guideline	Nemat Jaafarzadeh, Mehdi Ahmadi, **Hoda Amiri**, Abbas shahsavani	-	2012
The R book	Michael J Crawley	**Hoda Amiri**, Ramin Nabizadeh	2016
Transmission of SARS-CoV-2: implications for infection prevention precautions	WHO	**Hoda Amiri**,	2020

Research Experience (up to now):

Tittle	Place of research study
Feasibility study of the application of electrocoagulation process in the removal of COD from wastewater of resin production industries	Jundishapur University of Medical Science
Investigation of biosorption of cadmium (II) and chromium (VI) from aqueous medium using modified biomass Ceratophyllum demersum	Jundishapur University of Medical Science
Investigation of adsorption process using chitosan to remove nitrate from water media	Alborz University of Medical Science
Investigation of the application of electroturbation process in the removal of arsenate and arsenite from aqueous solutions and its modeling using artificial neural network	Alborz University of Medical Science
Nitrate Measurment in Water Source of Karaj City and Zonning it Geographic Information Systems (GIS)	Alborz University of Medical Science
Investigation of As(III) removal in hard water by electrocoagulation	Tehran University of Medical Science
To Study the Role of Chlorpyrifos induced toxicity in SH-SY5Y Cells as a cellular model of Parkinson's disease: considering GSK-3βsignaling pathway	Kerman University of Medical Science
Monitoring of microplastic distribution in Khabr national park wildlife and yardang of Shahdad in Kerman province	Kerman University of Medical Science
Investigation of microplastics distribution in eatable red soil of Hormoz Island, Hormozgan Province, Iran	Kerman University of Medical Science

Effects of Triclosan on the hormonal disorders of women referring to a fertility center	Kerman University of Medical Science
Evaluation of the effect of wastewater treatment plant effluent by environmental sludge method on environmental factors (Case study: Kerman wastewater treatment plant effluent)	Kerman University of Medical Science
Evaluation of oxidative stress and DNA damage caused by Paraquat poisoning in animal model	Kerman University of Medical Science
Synthesis and evaluation of Fe_3O_4 /AC nanocomposite in heterogeneous fenton and adsorption processes in removal of metronidazole from aqueous solutions and bioassay of effluent	Kerman University of Medical Science
Exposure assessment of plastic manufacture's workers to microplastics; A case study of Sirjan Polytech factory	Kerman University of Medical Science
Evaluation of ecological footprints of Kerman residents	Kerman University of Medical Science
Investigation of health consequences of disinfection against SARS-CoV-2	National institute of Medical Research Development

Direction of Thesis

Tittle	Position	Year
Evaluation of the effect of wastewater treatment plant effluent by environmental sludge method on environmental factors (Case study: Kerman wastewater treatment plant effluent)	Advisor	2019
Synthesis and evaluation of Fe_3O_4 /AC nanocomposite in heterogeneous fenton and adsorption processes in removal of metronidazole from aqueous solutions and bioassay of effluent	Supervisor	2020
Exposure assessment of plastic manufacture's workers to microplastics; A case study of Sirjan Polytech factory	Supervisor	2021
Evaluation of oxidative stress and DNA damage caused by Paraquat poisoning in animal model	Advisor	2021
Evaluation of ecological footprints of Kerman residents	Supervisor	2022
Investigating of behavior patterns of Kerman citizens with emphasis on household waste management during the outbreak of Corona virus(Covid 19)	Supervisor	2022
Biomonitoring of microplastics in the saliva and hands of children (3		2024

- 6 years old) in Kerman kindergartens		
Investigating the Effect of Body Mass Index on Ecological Footprint in Middle-Aged People of Rafsanjan City	Supervisor	2024

Participation as reviewer to different journals

1) Journal of Hazardous Materials

2) Desalination and Water treatment

3) Journal of Environmental Health Science and Engineering

4) Environmental Health Engineering and Management Journal

5) Applied Water Science Journal

Software Skills

- R software
- SimaPro software

Research interests:

- Exposure assessment
- Fate of Environmental pollutants / life cycle assessment
- Water and wastewater treatment
- Wastewater based epidemiology