

## Curriculum Vitae

	<p>Environmental Health Engineering Department, Health Faculty, Isfahan University of medical sciences, HezarJerib.st.                  Isfahan, IRAN81746-734                  E-mail: <a href="mailto:a_ebrahimi@hlth.mui.ac.ir">a_ebrahimi@hlth.mui.ac.ir</a>,  <a href="mailto:aebrah189@gmail.com">aebrah189@gmail.com</a>                  Homepage: <a href="http://hlth.mui.ac.ir">http://hlth.mui.ac.ir</a>, <a href="http://envrc.mui.ac.ir">http://envrc.mui.ac.ir</a></p>	 <p style="text-align: center;">Cell Phone: +98 913 167 4254                  Work Phone: +98 (31) 3792 3280</p>
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**NAME:** Afshin Ebrahimi

**POSITION TITLE:** Associate Professor

### RESEARCH IDs

Item	Value	Web address
ORCID	0000-0002-3640-087X	<a href="http://orcid.org/0000-0002-3640-087X">http://orcid.org/0000-0002-3640-087X</a>
Researcher ID	J-4504-2016	<a href="http://www.researcherid.com/rid/J-4504-2016">http://www.researcherid.com/rid/J-4504-2016</a>
Scopus Author ID	54585198400	<a href="https://www.scopus.com/authid/detail.uri?authorId=57197853312">https://www.scopus.com/authid/detail.uri?authorId=57197853312</a>

### EDUCATION AND TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
Isfahan University of Medical Sciences, Isfahan-Iran	Ph.D.	2004	2010	Environmental Health Engineering
Isfahan University of Medical Sciences, Isfahan-Iran	M.Sc.	2000	2002	Environmental Health Engineering
Isfahan University of Medical Sciences, Isfahan-Iran	B.S	1994	1999	Environmental Health Engineering

### RESEARCH INTEREST

My recent projects are using new coagulants in water treatment, Modifying filter media, Risk assessment of some Inorganic & Organic compounds in water resources, Electro-chemical removal of pollutants from water resources, Membrane filtration of saline and polluted water, Environmental Bio-monitoring of pollutants and etc.

### POSITIONS AND EMPLOYMENT

2015 - Present      Associate Professor of Environmental Health Engineering  
 2010 - 2014        Assistant Professor of Environmental Health Engineering  
 2004 – 2010        Ph.D. Student in Isfahan University of Medical Sciences.

## PUBLICATIONS AND CONTRIBUTIONS

1. Jafari, N., Alavijeh, R.S., Abdolhnejad, A., Farrokhzadeh, H., Amin, M.M. and Ebrahimi, A., **2018**. An innovative approach to attached cultivation of *Chlorella vulgaris* using different materials. *Environmental Science and Pollution Research*, pp.1-9.
2. Mohammadi, H., Bina, B. and Ebrahimi, A., **2018**. A novel three-dimensional electro-Fenton system and its application for degradation of anti-inflammatory pharmaceuticals: Modeling and degradation pathways. *Process Safety and Environmental Protection*(In Press).
3. Mahdavi, M., Ebrahimi, A., Mahvi, A.H., Fatehizadeh, A., Karakani, F. and Azarpira, H., **2018**. Experimental data for aluminum removal from aqueous solution by raw and iron-modified granular activated carbon. *Data in brief*, 17, pp.731-738.
4. Aghapour, S., Bina, B., Tarrahi, M.J., Amiri, F. and Ebrahimi, A., **2018**. Distribution and health risk assessment of natural fluoride of drinking groundwater resources of Isfahan, Iran, using GIS. *Environmental monitoring and assessment*, 190(3), p.137.
5. Parastar, S., Ebrahimpour, K., Hashemi, M., Maracy, M.R., Ebrahimi, A., Poursafa, P. and Kelishadi, R., **2018**. Association of urinary concentrations of four chlorophenol pesticides with cardiometabolic risk factors and obesity in children and adolescents. *Environmental Science and Pollution Research*, 25(5), pp.4516-4523.
6. Mahdavi, M., Amin, M.M., Mahvi, A.H., Pourzamani, H. and Ebrahimi, A., **2018**. Metals, heavy metals and microorganism removal from spent filter backwash water by hybrid coagulation-UF processes. *Journal of Water Reuse and Desalination*, 8(2), pp.225-233.
7. Mahdavi, M., Ebrahimi, A., Azarpira, H., Tashauoei, H.R. and Mahvi, A.H., **2017**. Dataset on the spent filter backwash water treatment by sedimentation, coagulation and ultrafiltration. *Data in brief*, 15, p.916.
8. Ebrahimi, A., Mahdavi, M., Pirsahab, M., Alimohammadi, F. and Mahvi, A.H., **2017**. Dataset on the cost estimation for spent filter backwash water (SFBW) treatment. *Data in brief*, 15, pp.1043-1047.
9. Amin, M.M., Bina, B., Ebrahimi, A., Yavari, Z., Mohammadi, F. and Rahimi, S., **2017**. The occurrence, fate, and distribution of natural and synthetic hormones in different types of wastewater treatment plants in Iran. *Chinese Journal of Chemical Engineering*(In Press).
10. Ebrahimi, A., Amin, M. M., Pourzamani, H., Hajizadeh, Y., Mahvi, A. H., Mahdavi, M., Rad, M. H. R., Hybrid coagulation-UF processes for spent filter backwash water treatment: a comparison studies for PAFCl and FeCl<sub>3</sub> as a pre-treatment, **2017**, *Environmental Monitoring and Assessment* 189(8).
11. Zarean, M., Bina, B. and Ebrahimi, A., **2017**. The influence of zero-valent iron on the photodegradation ozonation of di-2-ethylhexyl phthalate in aqueous solution. *DESALINATION AND WATER TREATMENT*, 78, pp.321-329.
12. Zadali, R., Taghavi-Shahri, S.M. and Ebrahimi, A., **2017**. Application of catalytic nanopolymers for the removal of bisphenol a from aqueous solutions: Assessed by three statistical modeling strategies. *Desalination and Water Treatment*, 79, pp.338-346.

13. Mahdavi, M., Mahvi, A.H., Pourzamani, H., Fatehizadeh, A. and Ebrahimi, A., **2017**. High turbid water treatment by Kenaf fibers: a practical method for individual water supply and remote areas. *DESALINATION AND WATER TREATMENT*, 76, pp.225-231.
14. Mahdavi, M. and Amin, M. M. and Hajizadeh, Y. and Farrokhzadeh, H. and Ebrahimi, A.; Removal of Different NOM Fractions from Spent Filter Backwash Water by Polyaluminum Ferric Chloride and Ferric, **2017**, *Arabian Journal for Science and Engineering* 42(4), pp. 1497-1504.
15. Zarean, M., Teimouri, F., Moazeni, M. and Ebrahimi, A., **2017**. Degradation of Low Concentrations of Formaldehyde in Sono Catalytic Ozonation Advanced Oxidation Processes using Zero-valent Iron. *International Journal of Engineering-Transactions C: Aspects*, 30(3), pp.366-373.
16. Ebrahimi, A., Amin, M.M., Hajizadeh, Y., Pourzamani, H., Memarzadeh, M., Mahvi, A.H. and Mahdavi, M., **2017**. Filter backwash water treatment by coagulation: a comparison study by polyaluminium ferric chloride and ferric chloride. *Desalination Water Treat*, 66, pp.320-329.
17. Moazeni, M., Ebrahimi, A., Rafiei, N. and Pourzamani, H.R., **2017**. Removal of Arsenic(III) and Chromium(VI) from Aqueous Solutions using Nano scale Zerovalent Iron(NZVI) Particles and determining Adsorption Isotherms. *Health Scope*, 6(3).
18. Abdollahnejad, A., Jafari, N., Ebrahimi, A., Mohammadi, A. and Farrokhzadeh, H., **2017**. Removal of Arsenic and Coliform Bacteria by Modified Sand Filter With Slag and Zeolite from Drinking Water. *Health Scope*, 6(3).
19. Ebrahimi, A., Mahdavi, M., Ghasemian, A., Poursafa, P., Sharifi, F., Mohammadi, R., Nejatifar, M., Amin, M.M., Asayesh, H., Safiri, S. and Ansari, H., **2016**. Trends in health burden of untreated water and insanitary environments in Iran, 1990-2010: Findings from the global burden of disease study 2010. *Medical journal of the Islamic Republic of Iran*, 30, p.424.
20. Nourmoradi, H., Ebrahimi, A., Hajizadeh, Y., Nemati, S. and Mohammadi, A., **2016**. Application of nanozeolite and nanocarbon for the removal of humic acid from aqueous solutions. *International Journal of Pharmacy and Technology*, 8(2), pp.13337-13352.
21. Hassan Hashemi, Yaghoub Hajizadeh, Mohammad Mehdi Amin, Bijan Bina, Asghar Ebrahimi, Abbas Khodabakhshi, Afshin Ebrahimi, Hamid Reza Pourzamani; Macro-pollutants removal from compost leachate using membrane separation process, *Desalination and Water Treatment*, **2016**, 1-6.
22. Mohammadi, A., Miri, M., Ebrahimi, A., Khorsandi, H. and Nemati, S., **2016**. Monitoring of THMs concentration in Isfahan water distribution system and zoning by GIS, a case study in the center of Iran. *Iranian journal of health, safety and environment*, 3(1), pp.421-427.
23. Bonyadinejad, G., Sarafraz, M., Khosravi, M., Ebrahimi, A., Taghavi-Shahri, S.M., Nateghi, R. and Rastaghi, S., **2016**. Electrochemical degradation of the Acid Orange 10 dye on a Ti/PbO<sub>2</sub> anode assessed by response surface methodology. *Korean Journal of Chemical Engineering*, 33(1), pp.189-196.
24. Mohammadi, A., Ebrahimi, A. and Nemati, S., **2016**. Bacterial and Fungal Contamination of Elevator Buttons in University Schools of Isfahan University of Medical Sciences, Isfahan, Iran. *Health Scope*, 5(4).
25. Bonyadinejad, G., Khosravi, M., Ebrahimi, A., Taghavi-Shahri, S.M. and Nateghi, R., **2016**. Ultrasound-enhanced electrochemical mineralization of perfluorooctanoic acid in aqueous solutions: Assessed by response surface methodology. *International Journal of Environmental Health Engineering*, 5(1), p.11.

26. Ebrahimi, A., Moazeni, M., Esfandiari, Z., Estaki, F., Majd, A.M.S., Mirlohi, M., Moghadam, Z.A., Falahati, M. and Pourzamani, H., **2016**. Qualitative Evaluation of Bottled Water Stored in Polyethylene Terephthalate Based on Organic Chemical Compounds. *Anuário do Instituto de Geociências*, 39(2).
27. Pourgheysari, H., Pourzamani, H., Ebrahimi, A. and Bonyadinezhad, G., **2016**. Comparison between distilled water and dimethylformamide as solvent to fabricate electrodes coated with single wall carbon nanotubes. *International Journal of Environmental Health Engineering*, 5(1), p.3.
28. Barzegari, Z., Bina, B., Pourzamani, H.R. and Ebrahimi, A., **2016**. The combined treatment of bisphenol A (BPA) by coagulation/flocculation (C/F) process and UV irradiation in aqueous solutions. *Desalination and Water Treatment*, 57(19), pp.8802-8808.
29. Bonyadinejad, G., Khosravi, M., Ebrahimi, A., Nateghi, R., Taghavi-Shahri, S.M. and Mohammadi, H., **2015**. Sono-electrochemical mineralization of perfluorooctanoic acid using Ti/PbO<sub>2</sub> anode assessed by response surface methodology. *Journal of Environmental Health Science and Engineering*, 13(1), p.77.
30. Ebrahimi, A., Taheri, E., Pashaei, A. and Mahdavi, M., **2015**. The effectiveness of polyaluminum ferric chloride (PAFCI) for turbidity and color removal from Isfahan raw water. *Desalination and Water Treatment*, 55(7), pp.1966-1972.
31. Keshavarz, S., Ebrahimi, A. and Nikaeen, M., **2015**. Fluoride exposure and its health risk assessment in drinking water and staple food in the population of Dayyer, Iran, in 2013. *Journal of education and health promotion*, 4.
32. Zarean, M., Bina, B., Ebrahimi, A., Pourzamani, H. and Esteki, F., **2015**. Degradation of di-2-ethylhexyl phthalate in aqueous solution by advanced oxidation process. *International Journal of Environmental Health Engineering*, 4(1), p.34.
33. Mohammadi Moghadam, F., Mahdavi, M., Ebrahimi, A., Tashauoei, H.R. and Mahvi, A.H., **2015**. Feasibility study of wastewater reuse for irrigation in Isfahan, Iran. *Mahvi*, 23.
34. Pourgheysari, H., Hajizadeh, Y., Tarrahi, M.J. and Ebrahimi, A., **2015**. Association between aluminum and silicon concentrations in Isfahan drinking water and their health risk assessments. *International journal of preventive medicine*, 6.
35. Amin, M.M., Bina, B., Hajizadeh, Y., Ebrahimi, A. and Ghanbari, R., **2015**. Feasibility of Lab-Scale Vacuum-Driven Submerged Hollow Fiber Anaerobic Membrane Bioreactor (SAnMBR) for the Treatment of Synthetic Acidified Wastewater. *Fresenius Environmental Bulletin*, 24(6 A), pp.2220-2231.
36. Ebrahimi, A., Amin, M.M., Bina, B., Ebrahimi, A., Pourzamani, H., Hajizadeh, Y. and Hashemi, H., **2015**. Evaluate the effects of organic loading rate from windrow composting leachate on the performance of an anaerobic migrating blanket reactor. *International Journal of Environmental Health Engineering*, 4(1), p.30.
37. Sarafraz, M., Khosravi, M., Bonyadinejad, G., Ebrahimi, A. and Taghavi-Shahri, S.M., **2015**. Electrochemical degradation of the acid orange 10 dye on a Ti/SnO<sub>2</sub>-Sb anode assessed by response surface methodology. *International Journal of Environmental Health Engineering*, 4(1), p.31.
38. Jafari, N., Abdollahnejad, A., Ebrahimi, A., Bina, B. and Mortezaie, S., **2015**. Geographic information system based noise study in crowded areas of Isfahan city in 2010-2011. *International Journal of Environmental Health Engineering*, 4(1), p.24.
39. Moghadam, F.N. and Ebrahimi, A., **2015**. Performance evaluation of Fenton process removing fluoride from aqueous solution. *International Journal of Environmental Health Engineering*, 4(1), p.28.

40. Amin, M.M., Hashemi, H., Bina, B., Ebrahimi, A., Pourzamani, H.R. and Ebrahimi, A., **2014**. Complementary treatment of leachate using sequencing batch reactor. *International Journal of Health System and Disaster Management*, 2(4), p.216.
41. Ebrahimi, A., Taheri, E., Pashae, A. and Mahdavi, M., **2014**. The application of polyaluminium ferric chloride for turbidity and color removal from low to medium turbid water. *Archives of Hygiene Sciences*, 3(1), pp.12-20.
42. Amin, M.M., Hashemi, H., Bina, B., Ebrahimi, A., Pourzamani, H.R. and Ebrahimi, A., **2014**. Environmental pollutants removal from composting leachate using anaerobic biological treatment process. *International Journal of Health System and Disaster Management*, 2(3), p.136.
43. Lotfi, I., Ebrahimi, A. and Hajian, M., 2014. Comparison study of turbidity removal using synthesized poly-aluminum chloride-sulfate and poly-aluminum chloride in aqueous solutions. *International Journal of Environmental Health Engineering*, 3(1), p.32.
44. Moazeni, M., Ebrahimi, A., Atefi, M., Mahaki, B. and Rastegari, H.A., 2014. 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*, 3(1), p.28.
45. Abdollahnejad, A., Ebrahimi, A. and Jafari, N., 2014. Application of Iranian natural zeolite and blast furnace slag as slow sand filters media for water softening. *International Journal of Environmental Health Engineering*, 3(1), p.26.
46. Nafez, A.H., Ebrahimi, A., Nejad, M.H. and Bina, B., 2014. Quantity and composition of produced dental solid waste in Isfahan, 2011. *International Journal of Environmental Health Engineering*, 3(1), p.17.
47. Hesami, F., Bina, B. and Ebrahimi, A., 2014. The effectiveness of chitosan as coagulant aid in turbidity removal from water. *International Journal of Environmental Health Engineering*, 3(1), p.8.
48. Zeinaddine, H.R., Ebrahimi, A., Alipour, V. and Rezaei, L., 2013. Removal of nitrogen and phosphorous from wastewater of seafood market by intermittent cycle extended aeration system (ICEAS). *Journal of health sciences and surveillance system*, 1(2), pp.89-93.
49. Mohammadi, A.S., Asgari, G., Ebrahimi, A., Attar, H.M. and Sharifi, Z., 2013. Application of several advanced oxidation processes for degradation of 4-chlorophenol from aqueous solution. *International Journal of Environmental Health Engineering*, 2(1), p.38.
50. Mehdi Khiadani (Hajian), Mohammad Mehdi Amin, Fariborz Momen Beik<sup>1</sup>, Afshin Ebrahimi, Marziyeh Farhadkhani, Fazel Mohammadi-Moghadam. Determination of polycyclic aromatic hydrocarbons concentration in eight brands of black tea which are used more in Iran. *International Journal of Environmental Health Engineering*.**2013**;2(3):1-5.
51. Farrokhzadeh, H., Taheri, E., Ebrahimi, A., Fatehizadeh, A., Dastjerdi, M.V. and Bina, B., 2013. Effectiveness of moringa oleifera powder in removal of heavy metals from aqueous solutions. *Fresenius Environmental Bulletin*, 22(5a), pp.1516-1523.
52. Afshin Ebrahimi, Maryam Faraji, Mohsen sadani, Mohammad Mehdi Amin, Mehdi Hajian, Hamid Reza Pourzamani. Determination of BTEX concentration in the groundwater of east region of Isfahan using passive sampling method. *International Journal of Environmental Health Engineering*.**2013**;2(2):1-6.
53. Mohsen Heidari, Maryam Kazemipour, Bijan Bina, Afshin Ebrahimi, Mehdi Ansari, Mohammad Ghasemian, and Mohammad Mehdi Amin. A Qualitative Survey of Five Antibiotics in a Water

54. Mohammadi A, Bina B, Ebrahimi A, Hajizadeh Y, Amin MM, Pourzamani H. Effectiveness of nanozeolite modified by cationic surfactant in the removal of disinfection by-product precursors from water solution. International Journal of Environmental Health Engineering. **2012**; 1(1):3.
55. M. M. Amin, A. Ebrahimi, M. Hajian, N. Iranpanah, B. Bina (**2010**): "Spatial analysis of three agrochemicals in groundwater of Isfahan using GS+", Iran. J. Environ. Health. Sci. Eng., Vol. 7, No.1, pp. 71-80.

## PROFFESIONAL SERVICES

### Reviewer in the international journals

- 1- Reviewer of "Desalination & Water Treatment Journal", 2016-Present;
- 2- Reviewer of "J. of Hazardous Materials", 2012-Present;
- 3- Reviewer of "Journal of Environmental Health Sciences & Engineering (ISI)", 2015-Present;
- 4- Reviewer of "Water & Health Journal-IWA", 2014- Present;

## PROFESSIONAL/SCIENTIFIC ASSOCIATION MEMBERSHIP

- 1- Associate Editor, Health System Research Journal(In Persian), 2015-Present
- 2- Associate Editor, Health Scope Journal(ISI), 2012-Present
- 3- Associate Editor, International Journal of Environmental Health Engineering (IJEHE), 2013-Present
- 4- Member of Environmental Health Association of Iran, 2001-present

## WORKSHOP AND TRAINING

- 1- Workshop on: "*Patterns and Methods of Active Teaching*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 6-8 August, 2005, Isfahan, Iran.
- 2- Workshop on: "*Education Planning, Teaching Method, and Student Evaluation*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 6-8 August, 1999, Isfahan, Iran.
- 3- Workshop on: "*Consulting and Guidance of Students*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 5 March, 2006, Isfahan, Iran.