

Isfahan University of medical sciences

Curriculum Vitae (CV)



First Name: *Yaghoub*

Last Name: *Hajizadeh*



Isfahan University of medical sciences, HezarJerib.st.	
Department	<i>Environmental Health Engineering</i>
Faculty	<i>Faculty of Health</i>
E-mail	<i>y_hajizadeh@hlth.mui.ac.ir</i>
Homepage	<i>http://hlth.mui.ac.ir</i>
Cell Phone	
Work Phone	<i>+98 313792 3279</i>
Position Title	<i>Associate Professor</i>

RESEARCH IDs

Item	Value	Web address
Orcid	0000-0002-1901-4475	https://orcid.org/0000-0002-1901-4475
Researcher ID	A-1562-2018	http://www.researcherid.com/rid/A-1562-2018
Scopus author ID	48061146500	https://www.scopus.com/authid/detail.uri?authorId=48061146500

EDUCATION AND TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
The University of Leeds, Leeds, UK	PhD	Jan. 2007	Apr. 2011	Environmental Engineering
Tehran University of Medical Science, Tehran, IRAN	MSc	Feb. 1995	June 1998	Environmental Health Engineering
Isfahan University of Medical Science, Isfahan, IRAN	BSc	Feb 1990	Feb 1994	Environmental Health Engineering

RESEARCH INTEREST

1. Air pollution and Health
2. Air pollution monitoring and control techniques
3. Biofiltration of polluted air streams
4. Thermal treatment of waste and waste to energy technologies
5. Persistent Organic Pollutants (POPs) monitoring and abatement (PAHs, PCDD/F,...)
6. Water supply and distribution systems and treatment (Design, Operation and Maintenance)



HONORS AND AWARDS

POSITIONS AND EMPLOYMENT

1. Academic member of Isfahan university of medical sciences, 2011 - present
2. Deputy of the department of environmental health in Isfahan Uni. of Med Sci. 2013 - present
3. Analytical Lab expert and lecturer in Tabriz university of medical sciences 2000-2005
4. Environmental health expert and air pollution control consultant in the Health center of East Azerbaijan province , 1997-2000
5. Deputy of Health in a district health center for a year , 1998-1999

PUBLICATIONS AND CONTRIBUTIONS

Main and recently published papers:

1. Hajizadeh Y, Kiani Feizabadi G, Feizi A, Ebrahimpour K. The association of personal care products uses and dietary habits with the urinary concentration of parabens in Iranian adults. *International Journal of Environmental Health Research*. 2020 Aug 1:1-7.
2. Feizabadi GK, Hajizadeh Y, Feizi A, Ebrahimpour K. Urinary concentrations of parabens in a population of Iranian adolescent and their association with sociodemographic indicators. *Archives of environmental contamination and toxicology*. 2020 Aug;79(2):195-207.
3. Abdolhnejad A, Mokhtari M, Ebrahimi AA, Nikaeen M, Shahi MA, Hajizadeh Y. Improved degradation of n-hexane vapours using a hybrid system, a photoreactor packed with TiO₂ coated-scoria granules and a multilayer biofilter. *Journal of Environmental Health Science and Engineering*. 2019 Dec 1;17(2):1017-27.
4. Mokhtari M, Hajizadeh Y, Ebrahimi AA, Shahi MA, Jafari N, Abdolhnejad A. Enhanced biodegradation of n-hexane from the air stream using rhamnolipid in a biofilter packed with a mixture of compost, scoria, sugar beet pulp and poplar tree skin. *Atmospheric Pollution Research*. 2019 Jan 1;10(1):115-22.
5. Teiri H, Pourzamani H, Hajizadeh Y. Phytoremediation of VOCs from indoor air by ornamental potted plants: A pilot study using a palm species under the controlled environment. *Chemosphere*. 2018. Apr;197:375-381
6. Poursafa P, Dadvand P, Amin MM, Hajizadeh Y, Ebrahimpour K, Mansourian M, et al. Association of polycyclic aromatic hydrocarbons with cardiometabolic risk factors and obesity in children. *Environment international*. 2018;118:203-10.
7. Parseh I, Teiri H, Hajizadeh Y, Ebrahimpour K. Phytoremediation of benzene vapors from indoor air by *Schefflera arboricola* and *Spathiphyllum wallisii* plants. *Atmospheric Pollution Research*. 2018.

8. Mohammadi A, Mokhtari M, Arani AM, Taghipour H, Hajizadeh Y, Fallahzadeh H. Biomonitoring levels of airborne metals around Urmia Lake using deciduous trees and evaluation of their tolerance for greenbelt development. *Environmental Science and Pollution Research*. 2018;1-11.
9. Mohammadi A, Hajizadeh Y, Taghipour H, Mosleh Arani A, Mokhtari M, Fallahzadeh H. Assessment of metals in agricultural soil of surrounding areas of Urmia Lake, northwest Iran: A preliminary ecological risk assessment and source identification. *Human and Ecological Risk Assessment: An International Journal*. 2018;1-18.
10. Maghzi Najafabadi A, Hasanzadeh A, Taghavi Shahri SM, Hajizadeh Y, Mahaki B. Spatio-Temporal Modeling for Nitrogen Oxides Pollutants in Tehran, 2014. *Iranian Journal of Epidemiology*. 2018;1111:0.-
11. Hajizaheh Y, Amin M-M, Parseh I. Crotonaldehyde removal from polluted air using a biofilter packed with a mixed bed. *Journal of Industrial and Engineering Chemistry*. 2018.
12. Fathi Fathabadi MK, Abdolahnejad A, Teiri H, Hajizadeh Y. Spatio-seasonal variation of airborne asbestos concentration in urban areas of Shiraz, Iran. *International Journal of Occupational and Environmental Health*. 2018.
13. Abdolahnejad A, Jafari N, Mohammadi A, Miri M, Hajizadeh Y. Mortality and Morbidity Due to Exposure to Ambient NO₂, SO₂, and O₃ in Isfahan in 2013–2014. *International journal of preventive medicine*. 2018;9.
14. Poursafa P, Amin MM, Hajizadeh Y, Mansourian M, Pourzamani H, Ebrahim K, et al. Association of atmospheric concentrations of polycyclic aromatic hydrocarbons with their urinary metabolites in children and adolescents. *Environmental Science and Pollution Research*. 2017;24(20):17136-44.
15. Mokhtari M, Jafari N, Hajizadeh Y, Mohammadi A, Miri M, Abdollahnejad A. Estimation of health effects of PM_{2.5} exposure using Air Q model in Isfahan during 2013. *Journal of Health and Development*. 2017;6(1):74-84.
16. Jamshidi A, Hajizadeh Y, Amin M-M, Kiani G, Haidari R, Falahi-Nejad K, et al. Biofiltration of formaldehyde, acetaldehyde, and acrolein from polluted airstreams using a biofilter. *Journal of Chemical Technology and Biotechnology*. 2017.
17. Jafari N, Ebrahimi AA, Mohammadi A, Hajizadeh Y, Abdolahnejad A. Evaluation of Seasonal and Spatial Variations of Air Quality Index and Ambient Air Pollutants in Isfahan Using Geographic Information System. *Journal of Environmental Health and sustainable Development*. 2017;2(2):263-72.
18. Hajizaheh Y, Amin M-M, Ebrahim K, Parseh I. Biodeterioration of 1, 1-dimethylhydrazine from air stream using a biofilter packed with compost-scoria-sugarcane bagasse. *Atmospheric Pollution Research*. 2017.
19. Hajizadeh Y, Teiri H, Nazmara S, Parseh I. Environmental and biological monitoring of exposures to VOCs in a petrochemical complex in Iran. *Environmental Science and Pollution Research*. 2017.
20. Hajizadeh Y, Namati S, Aghapour AA, Abdolahnejad A, Mohammadi A, Panahi H, et al. Influence of Air Pollution on Chemical Quality of Wet Atmospheric Deposition: a Case Study in Urmia, Iran. *Iranian Journal of Health, Safety and Environment*. 2017;5(1):904-10.
21. Hajizadeh Y, Mokhtari M, Faraji M, Mohammadi A, Nemati S, Ghanbari R, et al. Trends of BTEX in the central urban area of Iran: A preliminary study of photochemical ozone pollution and health risk assessment. *Atmospheric Pollution Research*. 2017.
22. Hajizadeh Y, Nazmara S, Teiri H, Parseh I. Determination of Volatile Organic Compounds (VOCs) and Total Hydrocarbons (THCs) in ambient air of a petrochemical complex in Iran and their urinary metabolites in employees. *Iranian Journal of Health and Environment*. 2017;10(1):103-14.
23. Fathi S, Hajizadeh Y, Nikaeen M, Gorbani M. Assessment of microbial aerosol emissions in an urban wastewater treatment plant operated with activated sludge process. *Aerobiologia*. 2017:1-9.

24. Teiri H, Rezaei M, Nazmara Sh, Hajizadeh Y. Sulphate reduction and zinc precipitation from wastewater by sulphate-reducing bacteria in an anaerobic moving-liquid/static-bed bioreactor. *Desalination and Water Treatment*, 2016, 1-10
25. Rezaei M, Fazlzadehdavil M, Hajizadeh Y. Formaldehyde Removal from Airstreams Using a Biofilter with a Mixture of Compost and Woodchips Medium. *Water, Air, & Soil Pollution*. 2015; 226 (1), 1-10
26. Hashemi H, Hajizadeh Y, Amin MM, Bina B, Ebrahimi A, Khodabakhshi A. Macropollutants removal from compost leachate using membrane separation process. *Desalination and Water Treatment*, 2015; 1-6
27. Hajizadeh Y, Rezaei M. Biodegradation of formaldehyde from contaminated air using a laboratory scale static-bed bioreactor. *International Journal of Environmental Health Engineering*. 2014;3:4.
28. Hajizadeh Y, Williams PT. Activated carbon production from RDF and its use for dioxin removal from flue gas of waste incinerators. *International Journal of Environmental Health Engineering*. 2013;2:10.
29. Hajizadeh Y, Onwudili JA, Williams PT. Effects of gaseous NH₃ and SO₂ on the concentration profiles of PCDD/F in flyash under post-combustion zone conditions. *Waste management*. 2012;32:1378-1386.
30. Hajizadeh Y. Influence of PAH, SO₂ and NH₃ on Dioxin Formation, and the Effectiveness of Waste Derived Activated Carbons on Control of Dioxin Emissions from Waste Incineration. (PhD thesis, Leeds University), 2011.
31. Hajizadeh Y, Onwudili JA, Williams PT. Removal potential of toxic 2378-substituted PCDD/F from incinerator flue gases by waste-derived activated carbons. *Waste management*. 2011;31:1194-1201.
32. Hajizadeh Y, Onwudili JA, Williams PT. PCDD/F formation from oxy-PAH precursors in waste incinerator flyash. *Chemosphere*. 2011;85:1672-1681.
33. Onwudili JA, Hajizadeh Y, Zainal S, Upton J, Williams PT. Application of low-temperature CP-Sil 88 column for the isomeric analysis of toxic 2378-substituted PCDD/Fs in incinerator flyash and sewage sludge using a triple quadrupole GC-MS/MS. *Talanta*. 2011;87:143-151.

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Invited Reviews:

Invited reviewer of the following Journals:

- Chemosphere
- Atmospheric Pollution Research
- Desalination and water treatment

Conference Papers (Oral / Poster Presentations):

1. Fathi fathabadi MK, Hajizadeh Y. Measurement of Airborne Asbestos Levels in High Traffic Areas of Shiraz, Iran, *18th National congress on environmental health engineering, Boushehr*. Nov. 2016.
2. Esmaelnejad F, Hajizadeh Y, Pourzamani HR, Amin MM. Measurement of BTEX concentration in the ambient air of filling stations in Shahreza. *17th National congress on environmental health engineering, Boushehr*. Jan. 2015.
3. Joneidi J. A, Hajizadeh Y, Shirjian M, Meserghani M. Monitoring of fecal coliform in water distribution system of east of Tehran. *17th National congress on environmental health engineering, Boushehr*. Jan. 2015.
4. Hajizadeh Y, Meserghani M, Karimi K. Investigation of phenol removal efficiency by Electro Fenton technique and H₂O₂. *7th Mathematics and chemistry conference and workshop, Payam noor university of Saveh*. Feb. 2015.

5. Hajizadeh Y, Rezaei M. Biofiltration of formaldehyde polluted airstream. *16th National Congress on Environmental Health, Tabriz*, Oct. 2013
6. Hajizadeh Y, Williams PT. Production of activated carbon from RDF and its use for dioxin removal in waste incinerators. *6th National congress on waste management, Mashhad*. Apr. 2012.
7. Hajizadeh Y, Williams PT. Tyre pyrolysis activated carbon for dioxin control in waste incinerators. *Waste 2010 conference, UK*. 2010
8. Siyahi M, Mosaferi M, Hajizadeh Y. Importance of chemical quality aspects of water used in food industries, *10th Iranian Pharmaceutical Science Conference, Tehran*. Aug. 2006.
9. Mosaferi M, Hajizadeh Y, Ostad Rahimi AR, Asl Hashemi A. Water quality control in beverage, dairy and canning industries, East Azarbayjan. *9th Iranian Nutrition Congress, Tabriz*, Sep. 2006.
10. Asl Hashemi A, Hajizadeh Y. Survey and detection of chlorination efficiency and effectiveness in water supply systems in rural area of Illam province, *8th National Congress on Environmental Health, Tehran*, Nov. 2005.
11. Hajizadeh Y. Survey and detection of TSP, Smoke, SO_x and CO concentrations in ambient air of Tabriz among three years in 1999, 2000 and 2001. *5th National congress on environmental health engineering, Tehran*. Oct. 2002.
12. Hajizadeh Y, Mahvi AH, Naseri S. Survey and detection of heavy metals in Tabriz ground water resources. *2nd Asian conference on water & wastewater management, Tehran*. May 2001.
13. Hajizadeh Y, Mahvi AH. Biological removal of heavy metals from water and waste water by using of Sulphate Reducing Bacteria. *First Asian conference on water & wastewater management, Tehran*. March 1998.

PROFFESIONAL SERVICES

Air pollutants sampling and analysis:

Bioaerosols, Heavy metals, PAHs, PM2.5, PM 1.0, BTEX, Asbestos fibers

Workshops and any short courses:

1. PHC : Tehran University of Medical Sciences, 10-18 Aug. 1996
2. E.I.A : Tehran University of Medical Sciences, 3-8 July 1997
3. Air Pollution control, AQCC,UNDP, 27-30 June 1997
4. Teaching methods workshop (30 hours), Tabriz university of medical sciences, June 1998
5. Research methods workshop (40 hours), Tabriz university of medical sciences, June 1999
6. Health Program management, Ministry of Health, Tehran. 19-24 Aug. 2000,
7. Quit Smoking workshop, Ministry of Health, Tehran. 12-15 Nov. 2001
8. Microbiological examinations of drinking water, Ministry of Health, Tehran. Feb. 2002
9. ICDL (135 hours), ICT Fanavaran, Tabriz. During 2004

10. Laboratorial methods for the detection of trace elements in water, soil and plants, Tabriz University- Faculty of science, July 2005.
 11. Application of HPLC for organic pollutant analysis, Tabriz University of Medical Sciences-Faculty of Health & Nutrition, February 2006
 12. Application of AAS for trace heavy metals analysis, Tabriz University of Medical Sciences-Faculty of Health & Nutrition, March 2006
 13. Health and Safety course, the University of Leeds, 2007
 14. Statistics and data analysis (SPSS), 5 full day workshop, the University of Leeds, 2007
 15. Thermal treatment of waste, 3 full day workshop, CPD Unit, Faculty of Engineering, the University of Leeds, February 2008
 16. Industrial Air Pollution Monitoring, 2 full day workshop, CPD Unit, Faculty of Engineering, the University of Leeds, march 2009
 17. Waste management, 2 full day workshop, Mashhad. 6th National congress on waste management, Mashhad. Apr. 2012.
 18. Medical Journalism (20 hours), EDC, Isfahan University of Medical Sciences, Jul. 2011
 19. Designing questionnaire (18 hours), EDC, Isfahan University of Medical Sciences, June 2015
 20. Teaching on the basis of emotional intelligence (6 hours), EDC, Isfahan University of Medical Sciences, May 2016
 21. Designing multiple choice questions using NAJMA software (6 hours),), EDC, Isfahan University of Medical Sciences, May 2016
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TEACHING EXPERIENCE

YEAR	COURSE TITLE	MAJOR
2011-2020	Air pollution control technologies	Environ Health Eng. (PhD and MSc)
2011-2020	Analytical instruments for contaminants analyses	Environ Health Eng. (MSc)
2011-2020	Air pollution	Environ Health Eng. (BSc students)
2011-2020	Design of water Supply and distribution systems	Environ Health Eng. (BSc students)
2011-2020	Water treatment	Environ Health Eng. (BSc students)
2011-2020	Professional English in Environmental Engineering	Environ Health Eng. (BSc and MSc St.)
2017-2020	Professional English in Environmental Toxicology	(BSc and MSc students)

PROFESSIONAL/SCIENTIFIC ASSOCIATION MEMBERSHIP

Member of Environmental Health Association of Iran, 2011-Present

Member of the 'province think office', director of the subgroup of health and environment, 2014-present

Member of the committee of air pollution mitigation in Isfahan province, 2016-present

WORKSHOP AND TRAINING

Clean air day, Isfahan University of Medical Sciences, Isfahan, 2014

World environment Day, Isfahan University of Medical Sciences, 2012

Health effects of air pollution workshop for general practitioners in Isfahan health center, 2015

Book, book chapters, Encyclopedia chapters