

## Curriculum Vitae

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**NAME:** Ali Fatehizadeh

**POSITION TITLE:** Assistant Professor

### RESEARCH IDs

Item	Value	Web address
ORCID	0000-0001-6067-0637	<a href="https://orcid.org/0000-0001-6067-0637">https://orcid.org/0000-0001-6067-0637</a>
Researcher ID	V-6573-2017	<a href="http://www.researcherid.com/rid/V-6573-2017">http://www.researcherid.com/rid/V-6573-2017</a>
Scopus Author ID	36782045000	<a href="https://www.scopus.com/authid/detail.uri?authorId=36782045000">https://www.scopus.com/authid/detail.uri?authorId=36782045000</a>

### EDUCATION AND TRAINING

Institution and location	Degree	Start date	Completion date	Field of study
Isfahan University of Medical Sciences, Isfahan, IRAN	Ph.D.	2011	2015	Environmental Health Engineering
Kerman University of Medical Sciences, Kerman, IRAN	M.Sc.	2007	2011	Environmental Health Engineering
Tehran University of Medical Sciences, Tehran, IRAN	B.S	2003	2007	Environmental Health Engineering

### RESEARCH INTEREST

I am broadly interested in water and wastewater treatment with particular emphasis on physical, chemical and biological treatment and biotechnology. In particular, my future research interests are shaped by the emerging trend towards to treatment process with high efficiency and material recovery. My research agenda focuses on the question of how to use this process to continue the trend of exponentially improving process performance. My past research investigates adsorption, ion exchange, electrocoagulation, AOPs and membrane filtration for contaminants removal from aqueous solution. In this statement, I briefly summarize the contributions of my prior research, and detail my future research plans.

### FUNDED RESEARCH- Completed

2015	"Survey on methods of excess biological sludge reduction and executive strategy suggestions in wastewater treatment plant: a case study North Wastewater Treatment Plant", Isfahan Water and Wastewater Company, Grant No. 92/6761.
2012	"Quality study of influent raw water Isfahan metropolitan 2041", Isfahan Water and Wastewater Company, Grant No. 91/189.

## FUNDED RESEARCH- Ongoing

2016 "Water quality monitoring of Zayandehrood dam reservoir and its upstream basin"  
Isfahan Regional Water Cooperation, Grant No. 65/114.

## POSITIONS AND EMPLOYMENT

2016-Present Assistant Professor of Environmental Health Engineering, Isfahan University of Medical Sciences, Isfahan, IRAN.

2012-2016 Teaching Assistant, Isfahan University of Medical Sciences, Isfahan, IRAN.

## PUBLICATIONS AND CONTRIBUTIONS

2018

- E Taheri, MM Amin, H Pourzamani, A Fatehizadeh, M Ghasemian, B Bina, Comparison of Acetate-butyrate and Acetate-ethanol Metabolic Pathway in Biohydrogen Production, *Journal of Medical Signals and Sensors* 8 (2), 2018.
- M Mahdavi, A Ebrahimi, AH Mahvi, A Fatehizadeh, F Karakani, H Azarpira, Experimental data for aluminum removal from aqueous solution by raw and iron-modified granular activated carbon, *Data in brief* 17, 731-738, 2018.

2017

- MM Amin, B Bina, E Taheri, MR Zare, M Ghasemian, SW Van Ginkel, Metabolism and kinetic study of bioH<sub>2</sub> production by anaerobic sludge under different acid pretreatments, *Process Biochemistry* 61, 24-29, 2017.
- M Mahdavi, AH Mahvi, H Pourzamani, A Fatehizadeh, A Ebrahimi, High turbid water treatment by Kenaf fibers: a practical method for individual water supply and remote areas, *Desalination and Water Treatment* 76, 225-231, 2017.
- MM Amin, T Kalteh, M Rezaei, N Mengelizadeh, P Salehi, A Fatehizadeh, Bioremediation of contaminated soil with Phenanthrene and Anthracene using poultry manure as co-substrate, *Journal of Mazandaran University of Medical Sciences* 26 (146), 139-147, 2017.
- VR Fanaie, M Karrabi, MM Amin, B Shahnava, A Fatehizadeh, Biosorption of 4-chlorophenol by dried anaerobic digested sludge: artificial neural network modeling, equilibrium isotherm, and kinetic study, *International Journal of Environmental Science and Technology* 14 (1), 37-48, 2017.

2016

- MM Amin, B Bina, E Taheri, A Fatehizadeh, M Ghasemian, Stoichiometry evaluation of biohydrogen production from various carbohydrates, *Environmental Science and Pollution Research* 23 (20), 20915-20921, 2016.
- N Yousefi, A Fatehizadeh, K Ghadiri, N Mirzaei, SD Ashrafi, AH Mahvi, Application of Nanofilter in removal of phosphate, fluoride and nitrite from groundwater, *Desalination and Water Treatment* 57 (25), 11782-11788, 2016.
- MR Zare, MM Amin, M Nikaeen, M Zare, B Bina, A Fatehizadeh, Simplification and sensitivity study of Alamar Blue bioassay for toxicity assessment in liquid media, *Desalination and Water Treatment* 57 (23), 10934-10940, 2016.
- MR Zare, Ali Fatehizadeh, MM Amin, E Taheri, B Bina, M Erfani, Assessment of probable toxicity of 3 kinds of metal plating industry wastewater on bacteria of sequencing batch reactor unit, *Health System Research* 13 (2), 2016 (In Persian).
- MR Zare, Ali Fatehizadeh, MM Amin, A Ebrahimi, B Bina, Assessment of the half maximal effective concentration of growth inhibition for heavy metals on bacteria present in sequencing batch reactor, *Health System Research* 12 (1), 77-83, 2016 (In Persian).

- VR Fanaie, M Karrabi, MM Amin, B Shahnava, A Fatehizadeh, Application of response surface methodology and artificial neural network for analysis of p-chlorophenol biosorption by dried activated sludge, *Journal of Applied Chemical Research* 10 (2), 25-37, 2016.
- VR Fanaie, M Karrabi, MM Amin, B Shahnava, A Fatehizadeh, A comparative study between dried anaerobic digested sludge and dried activated sludge for the removal of 4-chlorophenol from aqueous solutions, *International Journal of Environmental Health Engineering* 5 (1), 6, 2016.

## 2015

- M Zare, MM Amin, M Nikaeen, B Bina, H Pourzamani, A Fatehizadeh, Resazurin reduction assay, a useful tool for assessment of heavy metal toxicity in acidic conditions, *Environmental monitoring and assessment* 187 (5), 276, 2015.
- M Malakootian, N Yousefi, A Fatehizadeh, SW Van Ginkel, M Ghorbani, Nickel (II) removal from industrial plating effluent by Fenton process, *Environmental Engineering and Management Journal* 14 (4), 837-842, 2015.
- M Tabeidian, M Aminsadri, A Aghababaie, E Taheri, A Fatehizadeh, M Mahdavi, B Bina, MM Amin, A Ebrahimi, Survey of efficiency evaluation of modified and unmodified clinoptilolite for nitrate removal from aqueous solutions, *Health System Research* 11 (3), 638-649 1, 2015 (In Persian).
- M Hadei, M Aalipour, A Fatehizadeh, HR Safavi, M Ghasemian, Determination of biokinetic coefficients for an adsorption/bio-oxidation process on municipal wastewater in pilot-scale, *International Journal of Environmental Health Engineering* 4 (1), 35, 2015.
- MR Zare, A Fatehizadeh, MM Amin, B Bina, A Rahmani, H Rahmani, Effect of metal plating industry effluents on biological wastewater treatment, *International Journal of Environmental Health Engineering* 4 (1), 39, 2015.
- MM Amin, A Kazemi, O Eskandari, M Ghias, A Fatehizadeh, MR Zare, Geographical distribution of stomach cancer related to heavy metals in Kurdistan, Iran, *International Journal of Environmental Health Engineering* 4 (1), 12, 2015.

## 2014

- MM Amin, MH Khiadani, A Fatehizadeh, E Taheri, Validation of linear and non-linear kinetic modeling of saline wastewater treatment by sequencing batch reactor with adapted and non-adapted consortiums, *Desalination* 344, 228-235, 2014.
- S Rahimi, M Ahmadian, R Barati, N Yousefi, SP Moussavi, K Rahimi, S Reshadat, SR Ghasemi, N Rajabi Gilan, A Fatehizadeh, Photocatalytic removal of cadmium (II) and lead (II) from simulated wastewater at continuous and batch system, *International Journal of Environmental Health Engineering* 3 (1), 31, 2014.

## 2013

- B Bina, M Amin, M Zare, A Fatehizadeh, M Mohseni, M Zare, A Toulabi, Comparison of CuO and TiO<sub>2</sub> Nanoparticles toxicity and Antibacterial Properties in the Solid Media, *Iranian Journal of Health and Environment* 6 (2), 167-176, 2013.
- S Rahimi, MH Ehrampoush, MT Ghaneian, S Reshadat, A Fatehizadeh, M Ahmadian, G Ghanizadeh, S Rahimi, Application of TiO<sub>2</sub>/UV-C photocatalytic process in removal of reactive red 198 dye from synthetic textile wastewater, *Asian Journal of Chemistry* 25 (13), 7427, 2013.
- N Yousefi, A Fatehizadeh, A Ahmadi, A Rajabizadeh, A Toolabi, The efficiency of modified wheat bran in reactive black 5 dye removal from aqueous solutions, *Journal of Health and Development* 2 (2), 157-169, 2013
- SH Mirhossieni, M Birjandi, MR Zare, A Fatehizadeh, Analysis of particulate matter (pm<sub>10</sub> and pm<sub>2.5</sub>) concentration in Khorramabad city, IRAN, *health system research* 9 (1), 104-109, 2013, (In Persian).
- MR Zare, Y Poureshgh, A Fatehizadeh, A Shahriary, A Toolabi, M Rezaei, Annual and seasonal variation of turbidity, total dissolved solids, nitrate and nitrite in the Parsabad water treatment plant, Iran, *International Journal of Environmental Health Engineering* 2 (1), 37, 2013.

- A Ebrahimi, E Taheri, MH Ehrampoush, S Nasiri, F Jalali, R Soltani, A Fatehizadeh, Efficiency of constructed wetland vegetated with *Cyperus alternifolius* applied for municipal wastewater treatment, *Journal of environmental and public health* 2013, 9, 2013.
- M Ahmadian, S Reshadat, N Yousefi, SH Mirhossieni, MR Zare, SR Ghasemi, N Rajabi Gilan, R Khamutian, A Fatehizadeh, Municipal leachate treatment by Fenton process: effect of some variable and kinetics, *Journal of environmental and public health* 2013,19, 2013.
- H Hossaini, A Fatehizadeh, N Yousefi, S Reshadat, NR Gilan, SR Ghasemi, M Ahmadian, Application of enhanced softening process in slaughterhouse wastewater treatment, *Indian Journal of Chemical Technology*, 20(3), 217-221, 2013.
- H Farrokhzadeh, E Taheri, A Ebrahimi, A Fatehizadeh, MV Dastjerdi, B Bina, Effectiveness of moringa oleifera powder in removal of heavy metals from aqueous solutions, *Fresenius Environmental Bulletin* 22 (5a), 1516-1523, 2013.
- A Nickheslat, MM Amin, H Izanloo, A Fatehizadeh, SM Mousavi, Phenol photocatalytic degradation by advanced oxidation process under ultraviolet radiation using titanium dioxide, *Journal of environmental and public health* 2013, 18, 2013.
- H Moradpour, A Fatehizadeh, MM Amin, M Nikaeen, A Shafiea, R Molayi, A Sabouri, M Ghasemian, H Farokhzaddeh, Biodegradation performance of anaerobic sequencing batch biofilm reactor for oil with polychlorinated biphenyls, *International Journal of Environmental Health Engineering* 2 (1), 19, 2013.
- SH Mirhosseini, M Birjandi, MR Zare, A Fatehizadeh, Analysis of Particulate matter (PM10 and PM2.5) concentration in Khorramabad city, *International journal of environmental health engineering* 2 (1), 3, 2013.

2012

- AR Montazerabadi, M Ahmadian, MR Vahed, N Yousefi, A Fatehizadeh, P Borhani, A Rajabizadeh, AR Binesh, A Shakerizadeh, AH Mahvi, Evaluation of <sup>222</sup>Rn rate in medical dormitory of Kerman city, *International Journal of Radiation Research* 10 (3/4), 171, 2012.
- M Ahmadian, N Yosefi, A Toolabi, N Khanjani, S Rahimi, A Fatehizadeh, Adsorption of direct yellow 9 and acid orange 7 from aqueous solutions by modified pumice, *Asian Journal of Chemistry* 24 (7), 3094, 2012.
- M Ahmadian, N Yousefi, SW Van Ginkel, MR Zare, S Rahimi, A Fatehizadeh, Kinetic study of slaughterhouse wastewater treatment by electrocoagulation using Fe electrodes, *Water Science and Technology* 66 (4), 754-760, 2012.
- M Malakootian, A Fatehizadeh, E Meydani, Investigation of corrosion potential and precipitation tendency of drinking water in the Kerman distribution system, *Toloo-E-Behdasht* 11 (336), 1-10, 2012 (In Persian).
- A Nadi, A Fatehizadeh, AH Hassani, MR Marasy, MM Amin, Anaerobic biodegradation of ethylene dichloride in an anaerobic sequential batch reactor, *International Journal of Environmental Health Engineering* 1 (1), 35, 2012.
- S Fazeli, A Fatehizadeh, AH Hassani, A Torabian, MM Amin, Evaluation of flat sheet membrane bioreactor efficiency for municipal wastewater treatment, *International Journal of Environmental Health Engineering* 1 (1), 19, 2012.
- M Zare, A Toolabi, MR Zare, M Sarkhosh, AH Mahvi, A Rahmani, A Fatehizadeh, Outdoor investigation of air quality around Bandar Abbas-Iran oil refinery, *International Journal of Environmental Health Engineering* 1 (1), 9, 2012.
- M Estebar, MM Amin, P Poursafa, M Ghasemian, N Jaafarzadeh, H Hashemi, A Fatehizadeh, Biodegradation of benzene-toluene-xylene in petrochemical industries wastewater through anaerobic sequencing biofilm batch reactor in bench scale, *International Journal of Environmental Health Engineering* 1 (1), 22, 2012.
- M Malakootian, SK Ghadiri, N Yousefi, A Fatehizadeh, Isotherms and kinetics studies of biosorption nickel (II) and chromium (VI) from aqueous solution by dried activated sludge, *International Journal of Environmental Health Engineering* 1 (1), 2 4, 2012.

2011

- M Malakootian, N Yousefi, A Fatehizadeh, Survey efficiency of electrocoagulation on nitrate removal from aqueous solution, International Journal of Environmental Science & Technology 8 (1), 107-114, 2011.
- M Malakootian, A Fatehizadeh, N Yousefi, M Ahmadian, M Moosazadeh, Fluoride removal using Regenerated Spent Bleaching Earth (RSBE) from groundwater: Case study on Kuhbonan water, Desalination 277 (1-3), 244-249, 2011.
- M Malakootian, A Fatehizadeh, N Yousefi, Evaluating the effectiveness of modified pumice in fluoride removal from water, Asian Journal of Chemistry 23 (8), 3691, 2011.
- AH Mahvi, M Malakootian, A Fatehizadeh, MH Ehrampoush, Nitrate removal from aqueous solutions by nanofiltration, Desalination and Water Treatment 29 (1-3), 326-330, 2011.
- M Malakootian, AH Mahvi, A Fatehizadeh, MH Ehrampoush, Efficiency of calcium and magnesium removal by nanofiltration membrane from synthetic water under different operating conditions, Toloo-E-Behdasht, 5, 2011 (In Persian).
- M Malakootian, M Moosazadeh, N Yousefi, A Fatehizadeh, Fluoride removal from aqueous solution by pumice: case study on Kuhbonan water, African Journal of Environmental Science and Technology 5 (4), 299-306, 2011.

2010

- M Malakootian, A Fatehizadeh, Color removal from water by coagulation/caustic soda and lime, Iranian Journal of Environmental Health Science & Engineering 7 (3), 267, 2010.

2009

- A Mahvi, A Rajabizadeh, A Fatehizadeh, N Yousefi, H Hosseini, M Ahmadian, Survey wastewater treatment condition and effluent quality of Kerman province hospitals, World Applied Sciences Journal 7 (12), 1521-1525, 2009.

## PROFFESIONAL SERVICES

### Reviewer in the international journals

2014-Present      Reviewer in the international journals (Water research, Desalination, Chemical Engineering Journal, African Journal of Environmental Science and Technology, Journal of Saudi Chemical Society, Health Scope, Journal of Molecular Liquids, International Journal of Environmental Health Engineering, Environmental Health Engineering and Management)

### Organizing Workshops

2012      World environment Day, Isfahan University of Medical Sciences, Isfahan, IRAN  
 2013      Ozone day, Isfahan University of Medical Sciences, Isfahan, IRAN  
 2014      Clean air day, Isfahan University of Medical Sciences, Isfahan, IRAN  
 2014      Painting competition, Isfahan University of Medical Sciences, Isfahan, IRAN  
 2018      Clean Earth day May, Isfahan University of Medical Sciences, Isfahan, IRAN

## TEACHING EXPERIENCE

YEAR	COURSE TITLE	MAJOR
2017	Innovative Methods for Wastewater Treatment: Processes and Design	Ph.D
2015	Wastewater Treatment Plant Design	M.Sc.
2014	Wastewater Collection (Sewer) and Runoff Systems	B.Sc

## PROFESSIONAL/SCIENTIFIC ASSOCIATION MEMBERSHIP

2015- Present     Member of Environmental Health Association of Iran.

## WORKSHOP AND TRAINING

- 2017                Workshop on: "*Student Evaluation and Methods of Question Design with emphasis on Multiple Choice Questions*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 22-23 June, 2017, Isfahan, Iran.
- 2017                Workshop on: "*Education Planning, Teaching Method, and Student Evaluation*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 17-18 May, 2017, Isfahan, Iran.
- 2014                Workshop on: "Human exposure distribution to air quality pollution in Europe" Isfahan University of Medical Sciences - Alessandro Fasso - University of Bergamo, 17 April, 2014.