


Curriculum Vitae

	Department of Environmental Health Engineering, School of Health, Isfahan University of Medical Sciences, HezarJerib.st. Isfahan, IRAN 81746-734 E-mail: e_taheri@hlth.mui.ac.ir , e_taheri_83@yahoo.com Homepage: http://hlth.mui.ac.ir	Cell Phone: +98 917 839 8858 Work Phone: +98 (31) 792 3277
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NAME: Ensiyeh Taheri

POSITION TITLE: Assistant Professor

RESEARCH IDs

Item	Value	Web address
Researcher ID	K-9014-2018	https://publons.com/researcher/1910088/ensiyeh-taheri/
Scopus Author ID	54997206100	https://www.scopus.com/authid/detail.uri?authorId=54997206100
ORCID	0000-0003-3794-4147	http://orcid.org/0000-0003-3794-4147
Linkedin link		https://www.linkedin.com/in/ensiyeh-taheri-1b313b89/
Google scholar link		https://scholar.google.com/citations?user=cG2E1bkAAAAJ&hl=en

EDUCATION AND TRAINING

Institution and location	Degree	Start date	Completion date	Field of study
Isfahan University of Medical Sciences, Isfahan, IRAN	Ph.D.	2012	2018	Environmental Health Engineering
Isfahan University of Medical Sciences, Isfahan, IRAN	M.Sc.	2008	2011	Environmental Health Engineering
Isfahan University of Medical Sciences, Isfahan, IRAN	B.S	2004	2008	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.

POSITIONS AND EMPLOYMENT

2019 - Present	Assistant Professor of Environmental Health Engineering, Isfahan University of Medical Sciences, Isfahan, IRAN.
2018 - 2019	Assistant Professor of Environmental Health Engineering, Environment Research Center, Research Institute for Primordial Prevention of Non Communicable Disease Isfahan University of Medical Sciences, Isfahan, Iran
2012 – 2018	Teaching Assistant, Isfahan University of Medical Sciences, Isfahan, IRAN.

2020

- **Taheri E**, Hadi S, Amin MM, Ebrahimi A, Fatehizadeh A, Aminabhavi TM. Retention of atenolol from single and binary aqueous solutions by thin film composite nanofiltration membrane: Transport modeling and pore radius estimation. *Journal of Environmental Management*. 2020;271:111005.
- Khoshhali M, Amin MM, Fatehizadeh A, Ebrahimi A, **Taheri E**, Kelishadi R. Impact of prenatal triclosan exposure on gestational age and anthropometric measures at birth: A systematic review and meta-analysis. *Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences*. 2020;25.
- Sanaei F, Amin MM, Alavijeh ZP, Esfahani RA, Sadeghi M, Bandarrig NS, Fatehizadeh A, **Taheri E**, Rezakazemi M. Health risk assessment of potentially toxic elements intake via food crops consumption: Monte Carlo simulation-based probabilistic and heavy metal pollution index. *Environmental Science and Pollution Research*. 2020:1-12.
- Hadi S, **Taheri E**, Amin MM, Fatehizadeh A, Aminabhavi TM. Adsorption of 4-chlorophenol by magnetized activated carbon from pomegranate husk using dual stage chemical activation. *Chemosphere*. 2020:128623.
- Kheiri S, **Taheri E**, Rafiei N, Fatehizadeh A, Ghasemian M, Amin MM, et al. Biological excess sludge reduction in adsorption/bio-oxidation process by enhancing predators' growth. *International Journal of Environmental Health Engineering*. 2020;9(1):2.
- Hadi S, **Taheri E**, Amin MM, Fatehizadeh A, Lima EC. Fabrication of activated carbon from pomegranate husk by dual consecutive chemical activation for 4-chlorophenol adsorption. *Environmental Science and Pollution Research*. 2020:1-12.
- Khajeh M, Amin MM, **Taheri E**, Fatehizadeh A, McKay G. Influence of co-existing cations and anions on removal of direct red 89 dye from synthetic wastewater by hydrodynamic cavitation process: an empirical modeling. *Ultrasonics Sonochemistry*.105133.
- Hadi S, **Taheri E**, Amin MM, Fatehizadeh A, Aminabhavi TM. Synergistic degradation of 4-chlorophenol by persulfate and oxalic acid mixture with heterogeneous Fenton like system for wastewater treatment: Adaptive neuro-fuzzy inference systems modeling. *Journal of Environmental Management*.268:110678.
- Amin MM, **Taheri E**, Ghasemian M, Puad NIM, Dehdashti B, Fatehizadeh A. Proposal of upgrading Isfahan north wastewater treatment plant: An adsorption/bio-oxidation process with emphasis on excess sludge reduction and nutrient removal. *Journal of Cleaner Production*.255:120247.
- Jalili C, Kazemi M, **Taheri E**, Mohammadi H, Boozari B, Hadi A, et al. Exposure to heavy metals and the risk of osteopenia or osteoporosis: a systematic review and meta-analysis. *Osteoporosis International*.1-12.

2019

- MM Amin, **E Taheri**, B Bina, SW van Ginkel, M Ghasemian, NIM Puad, A Fatehizadeh, Electron flow of biological H₂ production by sludge under simple thermal treatment: Kinetic study, *Journal of environmental management* 250, 109461.
- B Bina, MM Amin, H Pourzamani, A Fatehizadeh, M Ghasemian, M Mahdavi, **E Taheri**, Biohydrogen production from alkaline wastewater: The Stoichiometric reactions, Modeling, and Electron Equivalent, *MethodsX* 1.
- A Fatehizadeh, MR Zare, SW Van Ginkel, **E Taheri**, MM Amin, N Rafiei, M Mahdavi, Methyl tertiary-butyl ether adsorption by bioactivated carbon from aqueous solution: kinetics, isotherm and artificial neural network modeling, *Desalination and Water treatment* 154, 254-267.
- Pourzamani H, Kadkhodaei N, Fadaei S, **Taheri E**, Bagheri R, Manesh RM, et al. Alternative Disinfection Methods Use to Control of Microbial Quality and Shelf-life of Raw Eaten Vegetables (Case Study). *International Journal of Health Studies*. 2019;4(3).

2018

- A Fatehizadeh, MM Amin, B Bina, MR Zare, M Ghasemian, **E Taheri**, Biohydrogen Production as Clean Fuel from physically Pretreated Mixed Culture, *Advanced Biomedical Research* 7 (1), 80
- A Fatehizadeha, **E Taheria**, MM Amina, M Mahdavid, N Moradia, Sodium and potassium removal from brackish water by nanofiltration membrane: single and binary salt mixtures, *Desalination and Water Treatment* 103, 65-71.

- **E Taheri**, MM Amin, A Fatehizadeh, H Pourzamani, B Bina, H Spanjers, Biohydrogen production under hyper salinity stress by an anaerobic sequencing batch reactor with mixed culture, *Journal of Environmental Health Science and Engineering* 16 (2), 159-170.
- **E Taheri**, MM Amin, H Pourzamani, A Fatehizadeh, M Ghasemian, B Bina, Comparison of Acetate-butyrates and Acetate-ethanol Metabolic Pathway in Biohydrogen Production, *Journal of Medical Signals and Sensors* 8 (2), 2018.
- **E Taheri**, MM Amin, M Ghasemian, N Rafiei, A Fatehizadeh, Modeling of extracellular polymeric substances production at different Carbon/Nitrogen ratio and solid retention time by artificial neural network, *International Journal of Environmental Health Engineering* 7 (1).

2017

- MM Amin, B Bina, **E Taheri**, MR Zare, M Ghasemian, SW Van Ginkel, Metabolism and kinetic study of bioH₂ production by anaerobic sludge under different acid pretreatments, *Process Biochemistry* 61, 24-29, 2017.
- Kamranifar M, Rezaei A, **Taheri E**, Mengelizadeh N, Pourzamani H. The Removal Efficiency of Remazol Black B (RBB) Textile Dyes by Chitosan Adsorbent from Aqueous Solutions. *Journal of Rafsanjan University of Medical Sciences*. 2017;15(10):929-42(In Persian).
- Moazami, F., Alizadeh, Z., Fatehizadeh, A., Pourzamani, H., Ghasemian, M., Mahdavi, M., & **Taheri E**. A Survey of the Efficiency of Activated Carbon Derived from Moringa Oleifera Pod in the Removal of Phenol from Aqueous Solutions. *Health System Research*, 13(2), 252-258.2017(In Persian).

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.
- 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).
- Amin MM, Rafiei N, **Taheri E**. Treatment of slaughterhouse wastewater in an upflow anaerobic sludge blanket reactor: Sludge characteristics. *International Journal of Environmental Health Engineering*. 2016;5(1):22.

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).
- Zare M, Amin MM, Nikaeen M, Bina B, Pourzamani H, Fatehizadeh A, **E Taheri**. Resazurin reduction assay, a useful tool for assessment of heavy metal toxicity in acidic conditions. *Environmental monitoring and assessment*. 2015;187(5):276.
- Ebrahimi A, **Taheri E**, Pashae A, Mahdavi M. The effectiveness of polyaluminum ferric chloride (PAFCI) for turbidity and color removal from Isfahan raw water. *Desalination and Water Treatment*. 2015;55(7):1966-72.

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.
- Borazjan MK, Bina B, Amin MM, **Taheri E**, Hassanzadeh A, Modarresi M. Optimization of treatment process of Bushigan treatment plant in respect of turbidity and total organic carbon reduction. *International Journal of Environmental Health Engineering*. 2014;3(1):9.

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.
- 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.

2012

- **Taheri E**, Khiadani MH, Amin MM, Nikaeen M, Hassanzadeh A. Treatment of saline wastewater by a sequencing batch reactor with emphasis on aerobic granule formation. Bioresource technology. 2012;111:21-6.
- **Taheri E**, Amin MM, Mahdi M, Farrokhzadeh H, Hatamzadeh M, Dastjerdi MV. Aerobic Granulation in Sequencing Batch Reactor (SBR) Treating Saline Wastewater. Iranian Journal of Health & Environment. 2012;5(2) (In Persian).
- Hajian Nejad, M., Goodarzi, B., **Taheri, E.**, & Vahid Dastjerdi, M. Investigation of Linear Alkyl Benzene Sulphonate (LAS) Concentration in Zayandehrood River and Wells around the River, Iran. Health System Research, 2012; 7(6) (In Persian).
- Froughi M, Hajiannejhad M, Amin M, **Taheri E**. Efficiency of Iron Oxide Nanoparticles with Magnetic Field on Pollutants Removal from Synthetic Urban Runoff. j.health. 2012; 3 (3) :18-27(In Persian).

2010

- **Taheri E**, Vahid Dastjerdi M, Hatamzadeh M, Hassanzadeh A, Ghafarian Nabari F, Nikaeen M. Evaluation of the influence of conventional water coolers on drinking water quality. Iranian Journal of Health and Environment. 2010;2(4):268-75.

PROFFESIONAL SERVICES

Reviewer in the national and international journals

Journal of Health System Research	ISSN 2322-5564
Journal of Water and Wastewater	ISSN 2383-0905
Journal of Environmental Health Engineering	ISSN 2383-3211
PLoS ONE	SSN/ISBN 1932-6203
International Journal of Environmental Health Engineering	ISSN/ISBN: 2277-9183

HONORS & AWARDS

2014	Isfahan University of Medical Sciences Award for being nominated as Distinguished Ph.D Student Researcher of the year
2015	Isfahan University of Medical Sciences Award for being nominated as Distinguished Reviewer of the Journal of Health System Research
2004- 2018	getting a first class degree at Ph.D., M.Sc., and B.S courses
2006	Appreciation from Shiraz University of Medical Sciences for working to promote community health
2016	Having a national patent
2016	grating educational award to student with superior talent, Iran National Elites Foundation
2008, 2011, 2017	Member, talent office of Isfahan Univ. of Medical Sciences
2018	research exchange period, faculty of civil engineering and geoscience, Delft, Netherlands
2011-2016	Responsible for the Student Research Committee of the School of Health, Isfahan University of Medical Sciences

TEACHING EXPERIENCE

YEAR	COURSE TITLE	MAJOR
2013-2016	Industrial Wastewater treatment	B.Sc
2013-2016	Biotechnology	B.Sc.

2019-2020	Water treatment	B.Sc.
2019-2020	Environmental impact assessment	MSc
2019-2020	Environmental management	MSc

WORKSHOP AND TRAINING

2017	Workshop on: " <i>Student Evaluation and Methods of Question Design with emphasis on Multiple Choice Questions</i> ", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 22-23 June, 2017, Isfahan, Iran.
2017	Workshop on: " <i>Education Planning, Teaching Method, and Student Evaluation</i> ", 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.