

Mohammad Amin Karami



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Current Academic rank: Assistant Professor of Environmental Health Engineering

CV last edited on: 09/16/2018

Education:

- 1- **Ph.D**
Environmental Health Engineering, Isfahan University of Medical Sciences, Isfahan, Iran, 2016
Supervisor: Dr. Bijan Bina
- 2- **M.S**
Environmental Health Engineering, Tehran University of Medical Sciences, Tehran, Iran, 2011
Supervisor: Dr. Mehdi Farzadkia
- 3- **B.Sc**
Environmental Health Engineering, Tehran University of Medical Sciences, Tehran, Iran, 2008

Language Skills

- 1- **English** Speaking: Medium, Reading: Good, Writing: Medium
- 2- **Persian** Native

Scientific Position

1. **Assistant Professor**

Department of Environmental Health Engineering, Lorestan University
of Medical Sciences, 2016

Course teaching:

- 1- **B.Sc** water treatment, solid waste management, water quality
management, fluid mechanic, waste water treatment
- 2- **M.S** Solid waste management

Advisor/ Consulter

- 1- The disinfection efficiency comparison with extract of Ajowan and Hypericum perforatum on removal of Pseudomonas aeruginosa
- 2- Health-risk assessment of heavy metals in street dust and air of Mehran city in 2018
- 3- Possibility of pharmaceutical wastewater treatment by combined chemical coagulation and electro-Fenton processes

Papers:

1. Non-Carcinogenic Health Risk Assessment due to Fluoride Exposure from Tea Consumption in Iran Using Monte Carlo Simulation
 Authors: Mohammad Amin Karami, Yadollah Fakhri, Shahabaldin Rezaei, Abdol Azim Alinejad, Ali Akbar Mohammadi, Mahmood Yousefi, Mansour Ghaderpoori, Mohammad Hossien Saghi, Mohammad Ahmadpour
 Journal: International journal of environmental health research and public health, Year. 2019
2. Levels, Distributions and Health Risk Assessment of Lead, Cadmium and Arsenic Found in Drinking Groundwater of Dehgolan's Villages, Iran
 Authors: Hadi Rezaei, Ahmad Zarei, Bahram Kamarehie, Ali Jafari, Yadollah Fakhri, Farzam Bidarpoor, **Mohammad Amin Karami**, Mansoureh Farhang, Mansour Ghaderpoori, Hossein Sadeghi, Naseh Shalyari
 Journal: Toxicology and Environmental Health Sciences, Year. 2019
3. Catalytic ozonation process using PAC/ γ -Fe₂O₃ to Alizarin Red S degradation from aqueous solutions: a batch study
 Authors: Bahram Kamarehie, Ali Jafari, Mansour Ghaderpoori, Mohammad Amin Karami, Khadijeh Mousavi, Afshin Ghaderpoury
 Journal: Chemical Engineering Communications, Vol. 7, Year. 2019
4. Biodegradability Improvement of Composting Leachate by Sulfate Radical-Advanced Oxidation Process followed by Aerobic and Anaerobic Treatment
 Authors: Mohsen Sadani, Mohammad Mehdi Amin, Mohammad Amin Karami, Fahime Teimouri
 Journal: International Journal of Environmental Health Engineering, Year. 2019
5. Investigation of optimizing strategies for energy consumption at drinking water pumping stations in the central part of Khorramabad city in 2017
 Authors: Vali mohammadiasl, Ali Jafari, Mohammad Amin Karami, Bahram Kamarehie
 Journal: Raqhavardeh Salamat, Vol.4, Year. 2019
6. Data on the alizarin red S adsorption from aqueous solutions on PAC, treated PAC, and PAC/ γ -Fe₂O₃
 Authors: Bahram Kamarehie, Ali Jafari, Mansour Ghaderpoori, Mohammad Amin Karami, Khadijeh Mousavi, Afshin Ghaderpoury
 Journal: Data in Brief, Vol. 20, Year. 2018, Pages: 903-908
7. Data on the fluoride adsorption from aqueous solutions by metal-organic frameworks (ZIF-8 and UiO-66)
 Authors: Bahram Kamarehie, Zahra Noraei, Ali Jafari, Mansour Ghaderpoori, Mohammad Amin Karami, Afshin Ghaderpoury
 Journal: Data in Brief, Vol. 20, Year. 2018, Pages: 799-804.
8. Zoning of air quality index (PM₁₀ and PM_{2.5}) by Arc-GIS for Khorramabad city, Iran
 Authors: Maryam Kianisadr, Mansour Ghaderpoori, Ali Jafari, Bahram kamarehie, Mohammad amin Karami
 Data in Brief Vol. 19, Year.2018, Pages: 1131-1141
9. Data on physicochemical quality of drinking water in the rural area in Divandarreh county, Kurdistan, Iran

Authors: Afshin Maleki, Bahram kamarehie, Reza Rezaee, Ali Jafari, Yahya Zandsalami, Pegah Bahmani, Esmail Ghahramani, Mohammad Amin Karami
Data in Brief, Vol.19, Year. 2018, Pages: 1661-1669.

10. **Data on biosurfactant assisted removal of TNT from contaminated soil**
Authors: Bijan Bina, Mohammad Mehdi Amin, Bahram Kamarehie, Ali Jafari, Mansour Ghaderpoori, Mohammad Amin Karami, Fahimeh Teimouri, Mohsen Sadani
Data in Brief, Vol.19, Year. 2018, Pages: 1600-1604
11. **Experimental data of electric coagulation and photo-electro-phenon process efficiency in the removal of metronidazole antibiotic from aqueous solution**
Authors: Bahram Kamarehie, Fatemeh Ahmadi, Faria Hafezi, Ali Abbariki, Rouhollah Heydari, Mohammad Amin Karami
Journal: Data in Brief, Vol. 18, Year. 2018, Pages:96-101
12. **Health-risk assessment related to the fluoride, nitrate, and nitrite in the drinking water in the Sanandaj, Kurdistan County, Iran**
Authors: Hadi Rezaei, Ali Jafari, Bahram Kamarehie, Yadolah Fakhri, Afshin Ghaderpoury, Mohammad Amin Karami
Journal: Human and Ecological Risk Assessment: An International Journal, Year.2018, Pages:1-9
13. **Heavy metals analysis and quality assessment in drinking water – Khorramabad city, Iran**
Authors: Mansour Ghaderpoori, Bahram kamarehie, Ali Jafari, Afshin Ghaderpoury, Mohammad amin Karami
Journal: Data in Brief, Vol. 16, Year. 2018, Pages: 685-692
14. **Treatment of Compost Leachate By Ferro-sonication Process: Effect of Some Operational Variables**
Authors: Mohammad Amin Karami, Mohammad Mahdi Amin, Bijan Bina
Journal: International Journal of Environmental Health Engineering, Vol. 7, Year. 2018, Pages: 1-5
15. **Effect of monorhamnolipid contribution on anaerobic-natural attenuation of explosives in contaminated soils**
Authors: Mohammad Mehdi Amin, Hossein Khanahmad, Fahimeh. Teimouri; Mohsen Sadani, Mohammad Amin Karami, Maryam Hatamzadeh
Journal: Journal of Environmental Engineering (United States), Vol.143, Year. 2017,04017035
16. **Improvement of biodegradability of explosives using anaerobic- intrinsic bioaugmentation approach**
Authors: Mohammad Mehd i Amin, Hossein Khanahmad, Fahimeh. Teimouri; Mohsen Sadani, Mohammad Amin Karami, Rahimmanesh, Ilnaz
Journal: Bulgarian Chemical Communications, Vol. 49, Year.2017, Pages: 735-741
17. **Enhanced aerobic biodegradation of soil contaminated with explosives (TNT and PETN) By rhamnolipid**
Authors: Karami, M.A., Amin, M.M., Bina, B., Sadani, M., Mirzaei, N., Teimouri, F., Akrami, A.
Journal: Eurasian Journal of Analytical Chemistry, Vol.12, Year.2017, Pages: 641-652
18. **Kinetic parameters and nitrate, nitrite changes in bioremediation of Toxic Pentaerythritol Tetranitrate (PETN) contaminated soil**
Authors: Bahare Dehdashti, Mohsen Sadani, Mohammad Amin Karami, Fahimeh Teimouri, Mohammad Mehdi Amin, Seyed Mahdi Moosavi
Journal: Electronic Physician, Vol.9, Year.2017, Pages: 5623-5630
19. **Quantification of health effects related to SO₂ and NO₂ pollutants by using Air quality model**
Authors: Bahram Kamarehie, Mansour Ghaderpoori, Ali Jafari, Mohammadamin Karami, Aliakbar Mohammadi, Khaled Azarshab, Afshin Ghaderpoury, Abdolazim Alinejad, Najaf Noorzadeh
Journal: Journal of Advances in Environmental Health Research, Vol.5, Year: 2017, Pages: 44-50
20. **Improved removal of Trinitrotoluene (TNT) from contaminated soil by inducing aerobic process: kinetic and chemical byproducts**
Authors: Mohammad Amin Karami., Bahram Kamarehie., Mansour Ghaderpoori., Ali Jafari., Ahmad Akrami ., Fateme Baghban shahri
Journal: Journal of Advances in Environmental Health Research, Vol.5, Year: 2017, Pages: 139-145

21. Estimation of health effects (morbidity and mortality) attributed to PM10 and PM2.5 exposure using an Air Quality model in Bukan city, from 2015-2016 exposure using air quality model
Authors: Bahram Kamarehie, Mansour Ghaderpoori, Ali Jafari, Mohammadamin Karami, Aliakbar Mohammadi, Khaled Azarshab, Afshin Ghaderpoury, Najaf Noorzadeh
Journal: *Environmental Health Engineering and Management Journal*, Vol.4, Year.2017, Pages: 137–142
22. Assessment of waste management system in hospitals affiliated with Urmia University of medical science in 2013
Authors: Tapouk, F.A., Sohrabi, Y., Karami, M.A., Ahmadi, A., Ahmadi, S., Ahmadvand, M., Mirzaei, N.
Journal: *International Journal of Pharmacy and Technology*, Vol.8, Year.2016, Pages: 18664-18675
23. Application of enhanced nZnO photocatalytic process with ultrasonic wave in formaldehyde degradation from aqueous solution
Authors: Amin, M.M., Teimouri, F., Sadani, M., Karami, M.A.
Journal: *Desalination and Water Treatment*, Vol.57, Year. 2016, Pages: 9455-9464
24. Degradation of reactive red 198 (RR198) from aqueous solutions by advanced oxidation processes (AOPS): O₃, H₂O₂/O₃ and H₂O₂/Ultrasonic
Authors: Karami, M.A., Sharafi, K., Asadi, A., Bagheri, A., Yosefvand, F., Charganeh, S.Sh., Mirzaei, N., Velayati, A.
Journal: *Bulgarian Chemical Communications*, Vol. 48, Year.2016, Pages: 43-49.
25. Degradation of reactive red 198 from aqueous solutions by advanced oxidation process: O₃, O₃/H₂O₂, and persulfate
Authors: Mohammad Amin Karami, Mohammad Mehdi Amin, Heshmatollah Nourmoradi, Mohsen Sadani, Fahime Teimouri, Bijan Bina
Journal: *International Journal of Environmental Health Engineering*, Vol. 5, Year. 2016, Pages:1-5
26. A comprehensive study (kinetic, thermodynamic and equilibrium) of arsenic (V) adsorption using KMnO₄ modified clinoptilolite
Authors: Massoudinejad, M., Asadi, A., Vosoughi, M., Gholami, M., Kakavandi, B., Karami, M.A.
Journal: *Korean Journal of Chemical Engineering*, Vol. 32, Year.2015, Pages: 2078-2086
27. Enhance biodegradation of pentaerythritol tetranitrate (PETN) anaerobic/aerobic biological treatment by biosurfactant
Authors: Sadani, M., Karami, M.A., Mirzaei, N., Teimouri, F., Amin, M.M.
Journal: *Bulgarian Chemical Communications*, Vol. 47, Year. 2015, Pages: 50-54
28. Effect of rhamnolipid biosurfactant on the degradation of pentaerythritol tetranitrate (PETN)
Authors: Karami, M.A., Amin, M.M., Bina, B., Mirzaei, N., Sadani, M., Teimouri, F.
Journal: *Bulgarian Chemical Communications*, Vol. 47, Year. 2015, Pages: 3-9
29. System analysis of industrial waste management: A case study of industrial plants located between Tehran and Karaj
Authors: Anvar Asadi, Mohammad Amin Karami, Mohsen Sadani, Mehdi Farzadkia, Nezam Mirzaei
Journal: *International Journal of Environmental Health Engineering*, Vol.4, Year.2015, Pages:1-6
30. Environmental ranking of industries located at west of Tehran based on the quantitative and qualitative characteristics of industrial wastewaters in 2011
Authors: Farzadkia, M., Karimaei, M., Nabizadeh, R., Kalantary, R.R., Gohari, M.R., Karami, M.A.
Journal: *Iran Occupational Health*, Vol.9, Year. 2013, Pages: 13-23
31. Determination of Nitrogen Dioxide (NO₂) and Carbon Monoxide (CO) Concentration in Rural Residential Houses of Ajabshir, the City of Eastern Azerbaijan
Authors: M Pashaeifar, F Atabi, M Karimaei, MA Karami
Journal: *TOLOO-E-BEHDASHT*, Vol. 10, Year. 2012, Pages: 31-39.
32. Quantitative and qualitative investigation of industrial solid waste in industrial plants located between Tehran and Karaj
Authors: Karami, M.A., Farzadkia, M., Karimaei, M., Jonidi, A., Gohari, M.R., Nabizadeh, R.
Journal: *Iran Occupational Health*, Vol.8, Year. 2011, Pages: 14-23
33. Investigation of methane emission potential for municipal solid waste landfill sites in Iran and declining approaches 2008

Authors: Mahdi Farzadkia, Mostafa Karimae, Mohammad Amin Karami

Journal: Electronic Physician, Vol.3, Year. 2011, Pages: 385-391

34. Investigation of Industrial waste Management in industries Located between Tehran and Karaj Zone in 2009-2010

Authors: Karami M. A, Farzadkia M, Jonidi Jaafari A, Nabizade R, Gohari M. R, Karimae M.

Journal: Iran. J. Health & Environ, Vol. 4, Year. 2011, Pages: 507-511

International Conference Presentations

- 2019. Analysis of Information Needs of Hospital Workers in the Field of Health Literacy - A Case Study of Personnel Imam Khomeini Hospital of Uremia. The [3rd International Conference on environmental Health - 2019](#)
- 2018. Effective removal of Trinitrotoluene (TNT) from contaminated soil by induced aerobic process: kinetic and chemical byproduct. [The 2rd international congress of environmental health engineering -2018](#)
- Investigating of industrial wastes management located between Tehran to Karaj in 2009. [The 1th international congress on waste management -2012](#)

Memberships

Member of Iranian Society of Environmental Health

Research Interests

Water and wastewater treatment

Solid waste management

Health Risk assessment

Bioremediation of environmental pollution