

## Curriculum Vitea



### Ali Jafari

**Date of Birth:** 1977, kermanshah, Iran

**Address:** Department of Environmental Health Engineering, Lorestan University of Medical Sciences, Khorramabad, Iran.

**Email:** [Jafari\\_a99@yahoo.com](mailto:Jafari_a99@yahoo.com) , [Jafari.a@lums.ac.ir](mailto:Jafari.a@lums.ac.ir)

### Education:

**Ph.D** Environmental Health Engineering Tehran University of Medical Sciences 2010-2015

**M.S. Environmental health Engineering,** Tehran University of Medical Sciences, 2002-2004.

**B.S. Environmental health Engineering,** Kermanshah University of Medical Sciences, 1998- 2002.

### Academic Experience:

**Faculty member,** Lorestan University of Medical sciences, Khorramabad, Iran. Since 2004 – continued..

### Research projects:

- 1- Investigation of Kohdasht drinking water resources, Lorestan, 2006.
- 2- Investigation of Azna-Aligodarz water resources, Lorestan, 2008.
- 3- Survey of Tehran residents' knowledge about environmental pollution, 2003.
- 4- Evaluation of Khorramabad wastewater treatment plant 2006.
- 5- Evaluation of PM concentration in KhoramAbad city 2007.
- 6- Removal of carbon nanotubes through stabilized suspension using coagulation and flocculation process by conventional coagulants and Moringa oliefera as a natural coagulant 2016
- 7- Study the efficiency of the combined system (coagulation , flocculation and filtration) in removing of reactive dye from aqueous solution 2016
- 8- The Evaluation of concentration heavy metals in the soil around the cement plant Dorud and health risk assessment in 2017.
- 9- The effect of cardiotoxicity of encapsulated paraquat herbicide in rats 2017
- 10- Investigation The Removal of Humic Acid from Water Using combined Uio-66 Adsorption And UF Membrane Process-2018

## 11- Investigation the toxicity of green synthesized titanium dioxide nanoparticles on gold fish gill-2018

### **Teaching Experience:**

- ✓ Environmental chemistry
- ✓ Wastewater treatment
- ✓ Water treatment
- ✓ Industrial wastewater treatment
- ✓ Water and wastewater chemistry
- ✓ Water supply
- ✓ Wastewater collection networks
- ✓ Hydraulics and fluid mechanics
- ✓ Research methodology
- ✓ Special English for Environmental health students

### **Language Skills**

English skills (Fluent)

### **Computer Knowledge**

Microsoft Office

Visual basic programming

### **Academic Administrative Experience:**

1. Head of department of environmental health engineering, Faculty of health and nutrition, Khorramabad, 2006-2010.
2. Deputy of education, Faculty of Health and Nutrition, Khorramabad, 2016 *continued*.

### **Publications:**

[https://scholar.google.com.au/citations?user=XHkhC\\_EAAAAJ&hl=en](https://scholar.google.com.au/citations?user=XHkhC_EAAAAJ&hl=en)

1. Ali, J. and M. Amir Hossein (2015). "REACTIVE DYES (R. BLUE 19 AND R. RED 120) REMOVAL BY A NATURAL COAGULANT: MORINGA OLEIFERA." Environmental Engineering and Management Journal **14**(10): 2393.
2. Ali Jafari Bahram Kamarehie, E. A., Seyyed Alireza Mousavi, Seyyed Yaser Hashemi (2018). "NITRATE REMOVAL FROM AQUEOUS SOLUTIONS USING GRANULAR ACTIVATED CARBON MODIFIED WITH IRON NANOPARTICLES (RESEARCH NOTE)." International Journal of Engineering (A: Basics) **31**(4): 364-371.
3. Ashrafi, S. D., A. H. Mahvi, et al. "Fluoride removal using agricultural waste; Rice Husk as a low-cost adsorbent."
4. Astereki, S. and A. Jafari (2015). "2-chlorophenol removal from aqueous solutions using electro/persulfate process." Yafte **17**(3).
5. Astereki, S., B. Kamarehie, et al. (2016). "2-chlorophenol removal of aqueous solution using advanced oxidation processes resulting from iron/persulfate and ultra violet/persulfate." Iranian Journal of Toxicology **10**(4): 1-8.
6. Bina, B., M. M. Amin, et al. (2018). "Data on biosurfactant assisted removal of TNT from contaminated soil." Data in Brief.
7. Fard, R., H. Daraii, et al. (2012). "Evaluation of fluoride content in Sanandaj bottled water, Iran." Fluoride **45**(3).

8. Ghaderpoori, M., A. Jafari, et al. (2018). "Heavy metals analysis and quality assessment in drinking water–Khorramabad city, Iran." Data in Brief **16**: 685-692.
9. Godini, H., A. Rezaee, et al. (2010). "Denitrification of wastewater containing high nitrate using a bioreactor system packed by microbial cellulose." World Academy of Science, Engineering and Technology **62**: 283-287.
10. Goudarzi, G., Z. Soleimani, et al. (2016). "The impact of visiting hours on indoor to outdoor ratio of fungi concentration at university hospitals in Ahvaz, Iran." Journal of Advances in Environmental Health Research **4**(1): 1-8.
11. Hafezi, F., M. A. Karami, et al. (2016). "Study of Efficiency of Photochemical Oxidation Process with UV/Peroxidisulfate for Removal of Alizarin Red S from Aqueous Solutions." Journal of health research in community **2**(3): 12-22.
12. Haidari, S., B. Kamarehie, et al. (2016). "Oxalic acid degradation from aqueous solution using ozonation process in the presence of magnesium oxide nanoparticles catalyst stabilized on activated carbon." International Journal of Environmental Health Engineering **5**(1): 23.
13. Hassanvand, H., M. S. Hassanvand, et al. (2018). "Indoor Radon Measurement in Dwellings of Khorramabad City, Iran." Iranian Journal of Medical Physics **15**(1): 19-27.
14. Hoseini, M., A. H. Mahvi, et al. (2012). "Removal of fluoride from aqueous solution by biosorption onto sargassum biomass." Fluoride **45**(3): 168-169.
15. Jafari, A., H. Godini, et al. (2010). "Municipal solid waste management in KhoramAbad city and experiences." World Acad. Sci. Eng. Technol **4**: 163-168.
16. Jafari, A., B. Kamarehie, et al. (2018). "Survey dataset on the performance of combined process of coagulation and ceramic membrane for the removal of reactive black19." Data in Brief **19**: 2015-2022.
17. Jafari, A., B. Kamarehie, et al. (2018). "The concentration data of heavy metals in Iranian grown and imported rice and human health hazard assessment." Data in Brief **16**: 453-459.
18. Jafari, A., A. H. Mahvi, et al. (2012). "EXPERIMENTAL DESIGN AND RESPONSE-SURFACE MODELING FOR OPTIMIZATION OF FLUORIDE REMOVAL FROM WATER BY MORINGA OLEIFERA SEED EXTRACT." Fluoride **45**(3): 169-170.
19. Jafari, A., A. H. Mahvi, et al. (2014). "Process optimization for fluoride removal from water by Moringa oleifera seed extract." Fluoride **47**(2): 152-160.
20. Jafari, A., A. H. Mahvi, et al. (2015). "Ultrafiltration of natural organic matter from water by vertically aligned carbon nanotube membrane." Journal of Environmental Health Science and Engineering **13**(1): 51.
21. Jafari, A., H. Mirhossaini, et al. (2008). "Physicochemical analysis of drinking water in kohdasht city lorestan, Iran." Asian Journal of Applied Sciences **1**(1): 87-92.
22. Jafari, A., S. Nasser, et al. (2017). "Humic acid removal from water using a novel fabricated antifouling carbon nanotube bucky-paper membrane and effect of operating parameters." Glob. Nest J **19**: 217-224.
23. Jafari, A., R. Rezaee, et al. (2017). "Application of micellar enhanced ultrafiltration (MEUF) for arsenic (v) removal from aqueous solutions and process optimization." Journal of Dispersion Science and Technology **38**(11): 1588-1593.
24. Kamarehie, B., M. Ghaderpoori, et al. (2017). "Quantification of health effects related to SO<sub>2</sub> and NO<sub>2</sub> pollutants by using Air quality model." Journal of Advances in Environmental Health Research **5**(1): 44-50.
25. Kamarehie, B., M. Ghaderpoori, et al. (2018). "Estimation of health effects (morbidity and mortality) attributed to PM<sub>10</sub> and PM<sub>2.5</sub> exposure using an Air Quality model in Bukan city, from 2015-2016 exposure using air quality model." **3,4**.
26. Kamarehie, B., A. Jafari, et al. (2018). "Study of the removal of metronidazole from aqueous solutions using Electro/Fenton process and graphite and iron electrodes." Yafte **20**(1).

27. Karami, M. A., B. Kamarehie, et al. (2017). "Improved removal of Trinitrotoluene (TNT) from contaminated soil by inducing aerobic process: kinetic and chemical byproducts." Journal of Advances in Environmental Health Research **5**(3): 139-146.
28. Kianisadr, M., M. Ghaderpoori, et al. (2018). "Zoning of air quality index (PM10 and PM2. 5) by Arc-GIS for Khorramabad city, Iran." Data in Brief **19**: 1131-1141.
29. Mahvi, A. H. and A. Jafari (2005). "Influence of Spent Filter Backwash Water (SFBW) Recycling on Coagulants Reduction in Jalalieh Water Treatment Plant." KAUMS Journal (FEYZ) **9**(2): 33-37.
30. Masoudinejad, M., M. Ghadrpoori, et al. (2018). "Data on nitrate and nitrate of Taham dam in Zanjan (Iran)." Data in Brief **17**: 431-437.
31. Massoudinejad, M., M. Ghaderpoori, et al. (2018). "Ethylenediamine-functionalized cubic ZIF-8 for arsenic adsorption from aqueous solution: Modeling, isotherms, kinetics and thermodynamics." Journal of Molecular Liquids **255**: 263-268.
32. MESDAGHINIA, A., M. YOUNESIAN, et al. (2007). "The knowledge of Tehran citizens on environmental pollutions, related health effects and their information sources."
33. Mirhoseyni, S., M. Mohammadi, et al. (2009). Survey of Khoramabad hospital water resources to Legionella pneumophila on 2008. 12th Environmental health congress. Shahid Beheshti University of medical sciences.
34. Mirhossaini, S., H. Godini, et al. (2010). "Effect of influent COD on biological ammonia removal efficiency." Eng. Technol **38**: 315-317.
35. Mirzamohammadi, H., A. Jafari, et al. (2017). "Assessment of DMFT and its influencing factors in guidance school students in Pirnshahr city, Iran." Journal of Advances in Environmental Health Research **5**(1): 16-22.
36. Naghizadeh, A., M. Ghafouri, et al. (2017). "Investigation of equilibrium, kinetics and thermodynamics of extracted chitin from shrimp shell in reactive blue 29 (RB-29) removal from aqueous solutions." Desalination and Water Treatment **70**: 355-363.
37. Omidi-Khaniabadi, Y., A. Jafari, et al. (2016). "The study of an azo dye removal from liquid medium by modified clay." Journal of Advances in Environmental Health Research **4**(1): 9-17.
38. Omidi-Khaniabadi, Y., A. Jafari, et al. (2015). "Adsorption of 4-chlorophenol from aqueous solution using activated carbon synthesized from aloe vera green wastes." Journal of Advances in Environmental Health Research **3**(2).
39. Omidi, Y., H. Basiri, et al. (2016). "Removal of textile dye methylene blue from liquid-phase by activated carbon from aloe vera wastes." Jundishap. J. Health Sci.
40. Rezaee, R. (2014). "Estimation of gas emission released from a municipal solid waste landfill site through a modeling approach: A case study, Sanandaj, Iran." Journal of Advances in Environmental Health Research **2**(1).
41. Rezaee, R., A. H. Mahvi, et al. "Application of Response Surface Methodology for Optimization of Fluoride Removal from Aqueous Solutions by Modified Wheat Straw."
42. Rezaee, R., A. Maleki, et al. (2014). "Application of response surface methodology for optimization of natural organic matter degradation by UV/H<sub>2</sub>O<sub>2</sub> advanced oxidation process." Journal of Environmental Health Science and Engineering **12**(1): 67.
43. Rezaee, R., S. Nasser, et al. (2016). "Fabrication of ultrathin graphene oxide-coated membrane with hydrophilic properties for arsenate removal from water." Journal of Advances in Environmental Health Research **4**(3): 169-175.
44. Rezaee, R., S. Nasser, et al. (2015). "Fabrication and characterization of a polysulfone-graphene oxide nanocomposite membrane for arsenate rejection from water." Journal of Environmental Health Science and Engineering **13**(1): 61.
45. Rezaei, H., A. Jafari, et al. (2018). "Health-risk assessment related to the fluoride, nitrate, and nitrite in the drinking water in the Sanandaj, Kurdistan County, Iran." Human and Ecological Risk Assessment: An International Journal: 1-9.

46.

**Books:**

- 1-Water and waste water technology (chemistry and biology) translated to Persian
- 2-Water chemistry – translated to Persian
- 3-Air and sound pollution –written in Persian
- 4-Hazardous chemicals in human health and environment- translated to Persian

**Publication in Conference Proceedings (national and international):**

1. **Jafari. A** ,Godini, H, Mirhosseini, S, H, Municipal Solid Waste Management in Khorramabad City and Experiences , International Conference on Environmental science and technology, 24-26 Feb., 2010, Penang, Malaysia.
2. Karami Matin B, Davodi R, **Jafari A** ,”Investigation of hospital solid waste management in Kermanshah city” 3rd National congress on environmental health of Iran, Kerman, Iran, 2000.
3. Karami Matin B, **Jafari. A** ,Davodi R, “Survey on satisfaction of people from municipal waste management in Kermanshah city” 4th National congress on environmental health of Iran, Yazd, Iran, 2001.
4. Mirhosseini S.H, **Jafari Ali**, “Evaluation of Noise pollution in Khoram Abad city 2006-2007,” 10<sup>th</sup> National congress on environmental health of Iran, Hamadan, Iran, 2007.
5. Mirhosseini S.H, **Jafari Ali** “Investigation of hospital solid waste management in Khoramabad city” National congress on healthy society, Iran, Khoram Abad, Iran, 2008.
6. **Jafari A** “A view on attempts to achieve CDM strategic targets in some countries”, congress on health sciences, Tehran university of medical sciences, 2004.
7. **Jafari A**, Davodi R, “Microbial quality of urban and rural drinking water sources in Kermanshah in 2000, Comprehensive congress of health, Isfahan 2001.
8. Azizi S.M, Davodi R, **Jafari A**,” Study on air pollutant emission from Bistoon power plant, 1st congress on environmental crisis and strategies in Iran, Ahvaz Iran, 2000.
9. Godini H, Rezaee **A**, **Jafari A**, Mirhosseini, S, H, “Denitrification of wastewater containing high nitrate using a bioreactor system packed by microbial cellulose”., International Conference on Environmental science and technology, 24-26 Feb., 2010, Penang, Malaysia.
10. **Ali Jafari** ,Amir H. Mahvi , Hatam Godini , Reza Rezaee , Seyed Davoud Ashrafi , Mohammad Hoseini “Experimental Design and Response Surface Modeling for Optimization of Fluoride Removal from Water by Moringa Oleifera Seed Extract” XXXth Conference of the International Society for Fluoride Research, Poland , 5-8 sep 2012.
11. Reza Rezaee , Amir H. Mahvi ,Afshin Maleki , **Ali Jafari** , Seyed Davoud Ashrafi , Mehdi Safari Appl ication of Response Surface Methodology for Optimization of Fluoride Removal from Aqueous Solutions by Modified Wheat Straw XXXth Conference of the International Society for Fluoride Research, Poland , 5-8 sep 2012
12. Seyed Davoud Ashrafi , Amir H. Mahvi , Mehرداد Farrokhi , Ghorban Asgari , **Ali Jafari** , Reza Rezaee , Mohammad Hoseini Fluoride removal using agricultural waste; Rice Husk as a low-cost adsorbent XXXth Conference of the International Society for Fluoride Research, Poland , 5-8 sep 2012

13. Reza Fouladi fard , Hiua Daraei , Nezam Mirzaei , Esmail Ghahramani , **Ali Jafari** "Evaluation of Flouride Content in Sanandaj Botteld Water, Iran". XXXth Conference of the International Society for Fluoride Research, Poland , 5-8 sep 2012
14. Mohammad Hoseini , Amir H. Mahvi , Kamiar Yaghmaeian , Jalil Jafari , Gholamhosein Safari , Hos ein Kamani , **Ali Jafari** , Seyed Davoud Ashrafi Removal of Fluoride from Aqueous Solution by Biosorption onto Sargassum Biomass XXXth Conference of the International Society for Fluoride Research, Poland , 5-8 sep 2012.
15. **A Jafari** , AH Mahvi, S Nasserri , R Rezaee, R Davoodi "An approach to membrane process option for removal of fluoride from drinking waters" 32nd Conference of the International Society for Fluoride Research, Thailand , 25-28 Nov. 2014.
16. R Rezaee, S Nasserri, AH Mahvi, A Maleki, S, A Mousavi, **A Jafari** "Fabrication of A Graphene Oxide Dispersed Polysolfone Nanofiltration Membrane for Fluoride Removal from Water" 32nd Conference of the International Society for Fluoride Research, Chiang Mai, Thailand, 25-28 Nov. 2014.