

## Curriculum Vitae (C.V)

**Dr. Hadi Eslami**

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### Personal Information

- Name:** Hadi
- Surname:** Eslami
- Date of birth:** 28 August 1985
- Academic Position:** Assistant Professor
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### Academic Education and Qualifications

Degree	University of graduation	Field of Study	Grade out of 20	Graduation Year
<b>B.Sc</b>	Shahid Sadoughi University of Medical Sciences, Yazd, Iran	Environmental Health Engineering	17.93	2008
<b>M.Sc</b>	Kashan University of Medical Sciences, Kashan, Iran	Environmental Health Engineering	18.55	2011
<b>Ph.D</b>	Shahid Sadoughi University of Medical Sciences, Yazd, Iran	Environmental Health Engineering	18.71	2018

### Dissertations

- B.Sc:** Determination of Microbial Removal Efficiency by Stabilization Ponds in Yazd Wastewater Treatment Plant in 2008.
- M.Sc:** Surveying the Organophosphorus Pesticides (Diazinon and Chlorpyrifos) Residual in Water Resources of Kashan, Iran in 2011. **GPA: 19.6**
- Ph.D:** Performance evaluation of photo chemical oxidation process by using Fe-Mn bimetal composite oxidant combined with enhanced coagulation and flocculation process for arsenic removal from groundwater. **GPA: 20**

## 🔗 Honors and Awards

- ☑ The top young assistant professor selected by National Elites Foundation in 2022
- ☑ Top researcher in Rafsanjan University of Medical Sciences, Rafsanjan, Iran in 2018 and 2019.
- ☑ Nationally Top student in the Ph.D degree in 2018, Iran.
- ☑ National Elites Foundation Educational Award in 2017 and 2018, Yazd, Iran.
- ☑ The top researcher in the Yazd province, Iran in 2017.
- ☑ The top researcher in the Shahid Sadoughi University of Medical Sciences, Yazd, Iran in 2015.
- ☑ Member of the brilliant talent in the Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
- ☑ First class honors in PhD studies, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.

## 🔗 Research Interests

- ☑ Water pollution and Health, Health risk assessment, Spatial Analysis, water resources management
- ☑ Water treatment, Heavy metals and Arsenic removal, Enhanced coagulation
- ☑ Wastewater treatment technology, Water reuse, Industrial wastewater treatment
- ☑ Environmental engineering, Environmental nanotechnology and Environmental chemistry
- ☑ Environmental biotechnology and microbiology, Biodegradation and Bioremediation
- ☑ Solid waste Management, Waste recycling and reuse, Composting and vermicomposting technology
- ☑ Air pollution and health, exposure risk assessments
- ☑ Environment epidemiology, Environment toxicology

## 🔗 Work experiences

- ☑ Full time Scientific Researcher in Social Determinant of Health (SDH) in School of Health, Shahid Sadoughi University of Medical Sciences, Yazd, Iran, 2012-2014.
- ☑ Part time lecturer at School of Health, Shahid Sadoughi University of Medical Sciences, Yazd, Iran, 2014 - 2018.
- ☑ Head of Student Environmental Health Association in School of Health, Shahid Sadoughi University of Medical Sciences, Yazd, Iran, 2014-2016.
- ☑ Collaboration and part time lecturer with Environmental Science and Technology Research Center in Shahid Sadoughi University of Medical Sciences, Yazd, Iran, 2014-2018.
- ☑ Member of Executive Committee in 15th National Conference of Medical Education, Yazd,Iran, 2014.
- ☑ Member of the Scientific and Executive Committee in 2nd International and 20th National Conference on Environmental Health and Sustainable Development, November 28-30, 2017, Yazd, Iran.

## Courses Taught

### ❖ In University

Water treatment, Water resources management, Air pollution control, Solid waste management, Industrial waste, Wastewater treatment, Environmental microbiology, Environmental biotechnology, Environmental modeling, Safety and professional health, Water and wastewater process, Sewage collection system design, Water distribution networks design, Water treatment plant design, Water and wastewater projects management, Water and wastewater installations, Specialized English in environmental health, Water and wastewater Engineering. Housing and public places Health, Principles of Environmental Health.

### ❖ In Workshops

- Research Methodology** for health students, Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- Proposal writing** for health students, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
- End note** for environmental health students, Rafsanjan University of Medical Sciences, Yazd, Iran.
- SPSS** for environmental health students, Rafsanjan University of Medical Sciences, Yazd, Iran.
- Report writing** for environmental health students, Rafsanjan University of Medical Sciences, Yazd, Iran.
- Excel** for environmental health students, Rafsanjan University of Medical Sciences, Yazd, Iran.
- GIS** modeling for environmental health students, Rafsanjan University of Medical Sciences, Yazd, Iran.

## Approved Research Projects

1. Detrmination of Organophosphorus Pesticides (Diazinon and Chlorpyrifos) in Water Resources in Barzok, Kashan. (2012). **Executive Manager**, *Kashan University of Medical Sciences*.
2. Survey of residents' opinion of the apartment complexes in Yazd about Health issues and public facility in 2013. (2013). **Main Colleague**, *Shahid Sadoughi University of Medical Sciences (SSU)*.
3. The knowledge and attitude of students in relation with health and food safety at Shahid Sadoughi University of medical sciences, Yazd. (2014). **Executive Manager**, *SSU*.
4. Assessment of knowledge, attitude and practice of breast-feeding women in Yazd about transmission of heavy metals from milk, (2014). **Executive Manager**, *SSU*.
5. A survey on knowledge, attitude and practice of of Health Volunteers in Yazd about Saving paper. (2015). **Executive Manager**, *SSU*.

6. The Survey Efficiency of Integrated Fixed-film Activated Sludge (IFAS) System in treatment of synthetic grey water. (2015). **Executive Manager**, *SSU*.
7. Surveying the quantity, composition and management of disposal condition in Yazd province in 2015. (2015). **Executive Manager**, *SSU*.
8. The Survey of Multi-Layer Filtration In Treatment Of Synthetic Grey Water. (2016). **Main Colleague**, *SSU*.
9. Economic assessment of domestic solid waste recycling in Yazd city with Using cost - benefit analysis. (2016). **Executive Manager**, *SSU*.
10. Determination of THMs concentration in distribution Yazd water network using GIS. (2016). **Executive Manager**, *SSU*.
11. Survey of environmental literacy (knowledge and attitude) toward of environmental issues and challenges in Yazd province. (2017). **Main Colleague**, *SSU*.
12. Biodegradation of reactive red 198 by isolated bacteria from textile wastewater sludge. (2017). **Executive Manager**, *SSU*.
13. Survey of Heavy Metal concentration in atmospheric pericipitaions in Urmia city (autumn 2017). **Main Colleague**, *SSU*.
14. Application of Green synthesis of iron nanoparticles using pomegranate peel extract in arsenite removal from contaminated solution. (2018). **Main Colleague**, *SSU*.
15. Application of Response Surface Methodology (RSM) to optimize coagulation–flocculation pulp and paper industry wastewater treatment using combination of alum and poly aluminum chloride with cationic and anionic polymers. (2018). **Main Colleague**, *SSU*.
16. Modeling of BTEX concentration in atmospheric air in Urmia city with land use regression. **Main Colleague**, *SSU*.
17. Groundwater resources quality assessment of Rafsanjan with using Water Quality Index (WQI) model. (2019). **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 97218)
18. Investigating the concentration and spatial distribution of heavy metals in Drinking Water Resources of Rafsanjan Using Geographic Information System in 2019. (2019). **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 97361)
19. Removal of Arsenic from drinking water with adsorption process by synthetic CuO Nano Particles from Walnut Leaf. **Main Colleague**, *Rafsanjan University of Medical Sciences*. (Project code: 97420)
20. Assesment of scaling and corrosiveness potential of drinking water in Rafsanjan city in 2019. **Main Colleague**, *Rafsanjan University of Medical Sciences*. (Project code: 97344)

21. Surveying the knowledge, satisfaction and perspective of the Rafsanjan peoples about environmental challenges in 2017. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 97220)
22. Extraction of Gold NanoParticles from Walnut Green Shell and Survey the cytotoxic and anticancer effects in breast cancer cell line (MCF7). **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 97342)
23. A survey the knowledge and attitude of the Health – care Centers Personnel in Rafsanjan University of Medical Sciences about health and food safety in 2019. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 98031)
24. Surveying the Medical waste management status in Rafsanjan in 2020. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 98217)
25. Modelling and Kinetics study of integrated fixed-film activated sludge (IFAS) for simulated greywater treatment. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 99049)
26. Surveying the relationship between religious attitudes and water consumption saving in Rafsanjan University of medical sciences in 2020. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 99055)
27. Optimization and comparison of the coagulation and flocculation process efficiency using Poly-ferric chloride (PFC) and poly-titanium chloride (PTC) coagulants in removal of Ractive Blue-19 from synthetic wastewater. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 9917075)
28. Investigating the relationship between environmental values and attitude of house wives of Rafsanjan city with environmental behavior in 2022. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 99176)
29. Investigation the correlation between incidence of covid-19 disease and weather condition in Rafsanjan in 2020. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project 99254)
30. Performance evaluation of the water treatment plants available in Rafsanjan city in 2020-2021. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 99176)
31. Surveying the relationship between religious attitudes and water consumption saving in Rafsanjan University of medical sciences in 2020. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 99176)
32. Biomonitoring and investigation of in morus alba tree leave in Rafsanjan and Sarcheshmeh. 2022. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 400263)
33. A Survey on Knowledge and Attitude of Rafsanjan University of Medical Sciences students' regarding health action in emergencies in 2021. **Executive Manager**, *Rafsanjan University of Medical Sciences*. (Project code: 400202)

## Publications

### ❖ published Papers in the Journals (ISI)

1. **Eslami H\***, Esmaeili A, Razaieian M, Salari M, Hosseini AN, Mobini M, et al. Potentially toxic metal concentration, spatial distribution, and health risk assessment in drinking groundwater resources of southeast Iran. *Geoscience Frontiers*. 2022;13(1):101276.
2. Khaneghah EB, Mokhtari M, Eslami H, Jambarsang S, Ebrahimi AA. Comparison of Polyferric Chloride and Polytitanium Chloride in removal of Organic and Inorganic Pollutants from Young and Old Municipal Solid Waste Leachate. *Chemical Engineering Research and Design*. 2022.
3. **Eslami H\***, Zarei Mahmoudabadi T. Modified coagulation processes using polyferric chloride and polytitanium tetrachloride for the removal of anionic dye from aqueous solution. *International Journal of Environmental Science and Technology*. 2022;19(3):1811-8.
4. Parizi HJ, Mokhtari M, **Eslami H**, Madadzadeh F, Jalili M, Mobini M, et al. Comparison and toxicity assessment of co-composting process by pistachio wastes and date-palm straw combined with municipal sewage sludge. *Biomass Conversion and Biorefinery*. 2022:1-9.
5. Zarei Mahmoudabadi T, Ehrampoush MH, Talebi P, Fouladi-Fard R, **Eslami H\***. Comparison of poly ferric chloride and poly titanium tetrachloride in coagulation and flocculation process for paper and cardboard wastewater treatment. *Environmental Science and Pollution Research*. 2021;28(21):27262-72.
6. Malekhamadi R, Yasini Ardakani SA, Sadeghian A, **Eslami H**. Rapid Detection of Adulteration in Mixing Sesame, Sunflower, and Canola Vegetable Oils by Mathematical Model. *Food Analytical Methods*. 2021;14(7):1456-63.
7. Nasseh N, Khosravi R, Rumman GA, Ghadirian M, **Eslami H**, Khoshnamv M, et al. Adsorption of Cr (VI) ions onto powdered activated carbon synthesized from Peganum harmala seeds by ultrasonic waves activation. *Environmental Technology & Innovation*. 2021;21: 101277.
8. Fakhri Y, Djahed B, Toolabi A, Raoofi A, Gholizadeh A, **Eslami H**, et al. Potentially toxic elements (PTEs) in fillet tissue of common carp (*Cyprinus carpio*): a systematic review, meta-analysis and risk assessment study. *Toxin Reviews*. 2021;40(4):1505-17.
9. Javan S, Rahdar S, Miri M, Djahed B, Kazemian H, Fakhri Y, **Eslami H**, et al. Modeling of the PM10 pollutant health effects in a semi-arid area: a case study in Zabol, Iran. *Modeling Earth Systems and Environment*. 2021;7(1):455-63.
10. **Eslami H**, Jalili M. The role of environmental factors to transmission of SARS-CoV-2 (COVID-19). *AMB Express*. 2020;10(1). 10.1186/s13568-020-01028-0.
11. **Eslami H**, Esmaeili A, Ehrampoush MH, Ebrahimi AA, Taghavi M, Khosravi R. Simultaneous presence of poly titanium chloride and Fe<sub>2</sub>O<sub>3</sub>-Mn<sub>2</sub>O<sub>3</sub> nanocomposite in the enhanced coagulation for high rate As(V) removal from contaminated water. *Journal of Water Process Engineering*. 2020;36. 10.1016/j.jwpe.2020.101342.
12. **Eslami H**, Khosravi R, Miri MR, Gholami A, Ghahramani E, Khosravi A. Facile preparation of porous activated carbon under ultrasonic assistance for the Methylene blue removal from aqueous environment: characterization, isothermal, kinetic and thermodynamic studies. *Materials Research Express*. 2020;7(1):015620.

13. Esmaeili A, **Eslami H\***. Adsorption of Pb (II) and Zn (II) Ions from Aqueous Solutions by Red Earth. *MethodsX*. 2020;7(2020):100804.
14. Salmani MH, Ehrampoush MH, **Eslami H**, Eftekhari B. Synthesis, characterization and application of mesoporous silica in removal of cobalt ions from contaminated water. *Groundwater for Sustainable Development*. 2020;11.
15. Farsi A, Aghasi M, Esmaeili A, **Eslami H**. Efficient removal of Cu(II) and Zn(II) from aqueous solution and real acid mine drainage by natural vermiculite and kaolinite. *Desalination and Water Treatment*. 2020;204:224-37.
16. Javan S, Rahdar S, Miri M, Djahed B, Kazemian H, Fakhri Y, **Eslami H**, Fallahzadeh RA, Gholizadeh A, Taghavi M. Modeling of the PM10 pollutant health effects in a semi-arid area: a case study in Zabol, Iran. *Modeling Earth Systems and Environment*. 2020. 10.1007/s40808-020-00874-y.
17. Fakhri Y, Djahed B, Toolabi A, Raoofi A, Gholizadeh A, **Eslami H**, et al. Potentially toxic elements (PTEs) in fillet tissue of common carp (*Cyprinus carpio*): a systematic review, meta-analysis and risk assessment study. *Toxin Reviews*. 2020:1-13.
18. Fathabadi, Z.A., Ehrampoush, M.H., Mirzaei, M., Mokhtari, M., Sakhvidi, M.N., Rahimdel, A., Tafti, A.D., Yakhdani, M.F., Atefi, A., **Eslami, H.**, Ebrahimi, A.A. The relationship of indoor radon gas concentration with multiple sclerosis: a case-control study. *Environmental Science and Pollution Research*. 2020:1-12.
19. Esmaeili A, Khoram MR, Gholami M, Eslami H. Pistachio waste management using combined composting-vermicomposting technique: Physico-chemical changes and worm growth analysis. *Journal of Cleaner Production*. 2020; 242 :118523.
20. Esmaeili A, **Eslami H\***. Efficient removal of Pb (II) and Zn (II) ions from aqueous solutions by adsorption onto a native natural bentonite. *MethodsX*. 2019;6:1979-85.
21. Shahsavani E, Ebrahimi AA, Ehrampoush MH, Maleknia H, **Eslami H**, Samaei MR. Developing a system dynamics model for prediction of phosphorus in facultative stabilization ponds. *AMB Express*. 2019;9(1):157.
22. Esmaeili A, Mobini M, **Eslami H\***. Removal of heavy metals from acid mine drainage by native natural clay minerals, batch and continuous studies. *Applied Water Science*. 2019;9(4):97.
23. Miri MR, Khosravi R, Taghizadeh AA, Fazlzadehdavil M, Samadi Z, **Eslami H**, et al. Comparison of zero valent iron and zinc oxide green nanoparticles loaded on activated carbon for efficient removal of Methylene blue. *Desalination and Water Treatment*. 2019;148:312-23.
24. Jalili M, Mokhtari M, **Eslami H**, Abbasi F, Ghanbari R, Ebrahimi AA. Toxicity evaluation and management of co-composting pistachio wastes combined with cattle manure and municipal sewage sludge. *Ecotoxicology and Environmental Safety*. 2019;171:798-804.
25. **Eslami H**, Shariatifar A, Rafiee E, Shiranian M, Salehi F, Hosseini SS, et al. Decolorization and biodegradation of reactive Red 198 Azo dye by a new *Enterococcus faecalis*-*Klebsiella variicola* bacterial consortium isolated from textile wastewater sludge. *World Journal of Microbiology and Biotechnology*. 2019;35(3): 1-10.
26. **Eslami H**, Ehrampoush MH, Esmaeili A, Salmani MH, Ebrahimi AA, Ghaneian MT, et al. Enhanced coagulation process by Fe-Mn bimetal nano-oxides in combination with inorganic polymer coagulants for improving As(V) removal from contaminated water. *Journal of Cleaner Production*. 2019;208:384-92.

27. **Eslami H**, Ehrampoush MH, Esmaeili A, Ebrahimi AA, Ghaneian MT, Falahzadeh H, et al. Synthesis of mesoporous Fe-Mn bimetal oxide nanocomposite by aeration co-precipitation method: physicochemical, structural, and optical properties. *Materials Chemistry and Physics*. 2019;224:65-72.
28. Babaei F, Ehrampoush MH, **Eslami H**, Ghaneian MT, Fallahzadeh H, Talebi P, et al. Removal of Linear Alkylbenzene Sulfonate and Turbidity from Greywater by a Hybrid Multi-layer Slow Sand Filter Microfiltration Ultrafiltration System. *Journal of Cleaner Production*. 2019;211:922-31.
29. Derakhshan Z, Ehrampoush MH, Mahvi AH, Dehghani M, Faramarzian M, **Eslami H**. A comparative study of hybrid membrane photobioreactor and membrane photobioreactor for simultaneous biological removal of atrazine and CNP from wastewater: A performance analysis and modeling. *Chemical Engineering Journal*. 2019;355:428-38.
30. Salmani MH, Sahlabadi F, **Eslami H**, Ghaneian MT, Balaneji IR, Zad TJ. Removal of Cr (VI) oxoanion from contaminated water using granular Jujube stems as a porous adsorbent. *Groundwater for Sustainable Development*. 2019; 8: 319-323.
31. **Eslami H**, Hashemi H, Fallahzadeh RA, Khosravi R, Fard RF, Ebrahimi AA. Effect of organic loading rates on biogas production and anaerobic biodegradation of composting leachate in the anaerobic series bioreactors. *Ecological Engineering*. 2018;110:165-71.
32. **Eslami H**, Ehrampoush MH, Falahzadeh H, Hematabadi PT, Khosravi R, Dalvand A, et al. Biodegradation and nutrients removal from greywater by an integrated fixed-film activated sludge (IFAS) in different organic loadings rates. *AMB Express*. 2018 January 08;8(1): 1-8.
33. **Eslami H**, Ehrampoush MH, Esmaeili A, Ebrahimi AA, Salmani MH, Ghaneian MT, et al. Efficient photocatalytic oxidation of arsenite from contaminated water by Fe<sub>2</sub>O<sub>3</sub>-Mn<sub>2</sub>O<sub>3</sub> nanocomposite under UVA radiation and process optimization with experimental design. *Chemosphere*. 2018;207:303-12.
34. Zarei Mahmudabadi T, Ebrahimi AA, **Eslami H**, Mokhtari M, Salmani MH, Ghaneian MT, et al. Optimization and economic evaluation of modified coagulation–flocculation process for enhanced treatment of ceramic-tile industry wastewater. *AMB Express*. 2018;8(1): 1-12.
35. Nikoonahad A, Djahed B, Norzaee S, **Eslami H**, Derakhshan Z, Miri M, et al. An overview report on the application of heteropoly acids on supporting materials in the photocatalytic degradation of organic pollutants from aqueous solutions. *PeerJ*. 2018;2018(9): 1-20.
36. Miri M, Bhatnagar A, Mahdavi Y, Basiri L, Nakhaei A, Khosravi R, **Eslami H**, et al. Probabilistic risk assessment of exposure to fluoride in most consumed brands of tea in the Middle East. *Food and Chemical Toxicology*. 2018;115:267-72.
37. Khosravi R, **Eslami H**, Zarei A, Heidari M, Baghani AN, Safavi N, et al. Comparative evaluation of nitrate adsorption from aqueous solutions using green and red local montmorillonite adsorbents. *Desalination and Water Treatment*. 2018;116:119-28.
38. Ebrahimi A, Hashemi H, **Eslami H**, Fallahzadeh RA, Khosravi R, Askari R, et al. Kinetics of biogas production and chemical oxygen demand removal from compost leachate in an anaerobic migrating blanket reactor. *Journal of Environmental Management*. 2018;206:707-14.
39. Askari SG, Khatbasreh M, Ehrampoush MH, Sheikhha MH, **Eslami H\***, Taghavi M, et al. The relationship between environmental exposures and hormonal abnormalities in pregnant women: An epidemiological study in Yazd, Iran. *Women and Birth*. 2018;31(3):e204-e9.



40. Miri M, Akbari E, Amrane A, Jafari SJ, **Eslami H**, Hoseinzadeh E, et al. Health risk assessment of heavy metal intake due to fish consumption in the Sistan region, Iran. *Environmental Monitoring and Assessment*. 2017;189(11): 1-10.
41. Khosravi R, **Eslami H**, Almodaresi SA, Heidari M, Fallahzadeh RA, Taghavi M, et al. Use of geographic information system and water quality index to assess groundwater quality for drinking purpose in Birjand city, Iran. *Desalination and Water Treatment*. 2017;67:74-83.
42. **Eslami H**, Samaei MR, Shamsavani E, Ebrahimi AA. Biodegradation and fate of linear alkylbenzene sulfonate in integrated fixed-film activated sludge using synthetic media. *Desalination and Water Treatment*. 2017;92:128-33.
43. **Eslami H**, Ehrampoush MH, Ghaneian MT, Mokhtari M, Ebrahimi A. Effect of Organic Loading Rates on biodegradation of linear alkyl benzene sulfonate, oil and grease in greywater by Integrated Fixed-film Activated Sludge (IFAS). *Journal of Environmental Management*. 2017;193:312-7.
- ❖ **published Papers in the Journals (SCOPUS and Others index)**
44. **Eslami H\***, Nasirzadeh M, Nabizadeh F, Salari M, Alinaghizadeh Z. Food Safety and hygiene Knowledge and attitudes among the Health-care staff in the southeast area of Iran. *Journal of Nutrition and Food Security*. 2022;7(2):200-7.
45. **Eslami H\***, Heydar Z, Mohammadtaghizadeh F. Surveying the Quantity, Quality, and Management of Hospital Wastes in Rafsanjan in 2020: A Descriptive Study. *Journal of Rafsanjan University of Medical Sciences*. 2022;20(12):1297-308.
46. **Eslami H**, Rezaei R. Aflatoxins in Pistachios and their Adverse Health Effects. *Pistachio and Health Journal*. 2022;5(1):1-2.
47. **Eslami H**, Hassan Shahi N, Ebrahimi Z, Marzban A. Assessment the relationship between religious attitudes and water consumption saving in Rafsanjan University of medical sciences. *Journal of health research in community*. 2022;8(2):76-85.
48. Zarei Mahmoudabadi T, Ehrampoush MH, Talebi P, **Eslami H\***. Paper and Cardboard Industries Wastewater Treatment by Coagulation and Flocculation Process and Optimization with Response Surface Methodology: A Laboratory Study. *Journal of Rafsanjan University of Medical Sciences*. 2022;21(5):533-50.
49. Zarei Mahmoudabadi T, Salehi Vaziri A, Talebi P, **Eslami H\***. Evaluation of the Performance of Advanced Sequencing Batch Reactor Biological Processes in the Removal of Nutrients from Municipal Wastewater in Yazd City: A Case Study. *Journal of Rafsanjan University of Medical Sciences*. 2022;20(11):1195-208.
50. Zarei Mahmudabadi T, Ebrahimi A, Ehrampoush M, **Eslami H**. Investigating the Effect of Coagulation and Flocculation-Adsorption Process on Boron Removal from Industrial Wastewater (Case Study: Ceramic Tile Industry). *J Rafsanjan Univ Med Sci*. 2021;19(10):1015-34.
51. **Eslami H**, Tajik R, Esmaeili M, Esmaeili A, Mobini M. Assessment of the Quality of Rafsanjan Drinking Water Resources using Water Quality Index (WQI) Model in 2018: A Descriptive Study. *J Rafsanjan Univ Med Sci*. 2020;18(10):996-85. [In Persian]
52. **Eslami H**, Ebrahimi AA. Hydrodynamic Cavitation: An Alternative Method for Algae Removal from Water Resources. *J Environ Health Sustain Dev*. 2020;5(1):925-7.

53. Mosavi Bafroei S, Amrollahi M, **Eslami H**. Application of Analytic Hierarchy Process in Selecting the Most Appropriate Method for Wastewater Treatment in Meybod Villages in Yazd, 2018: A Descriptive Study. *J Rafsanjan Univ Med Sci*. 2019;18(8):783-96. [In Persian]
54. Hosseini M S MSF, **Eslami H**, Jalili M, Afkhami Aghda M. The Effect of Education on Knowledge, Attitude, and Practice of Hospital Personnel in Preventing Hospital Infections. *The Journal of Toloo-e-behdasht*. 2019;18(2):70- 80. [In Persian]
55. **Eslami H**, Almodaresi S, Khosravi R, Fallahzadeh R, Peirovi R, Taghavi M. Assessment of Groundwater Quality in Yazd-Ardakan Plain for Agricultural Purposes Using Geographic Information System (GIS). *Journal of Health*. 2018;8(5):575-86. [In Persian]
56. Tarfiei A, **Eslami H**, Ebrahimi A. Pharmaceutical Pollution in the Environment and Health Hazards. *J Environ Health Sustain Dev*. 2018;3(2):492-5.
57. **Eslami H**, Tajik R, Esmaeili M, Esmaeili A, Mobini M. Assessment of the Quality of Rafsanjan Drinking Water Resources using Water Quality Index (WQI) Model in 2018: A Descriptive Study. *J Rafsanjan Univ Med Sci*. 2020;18(10):996-85. [In Persian]
58. **Eslami H**, Ebrahimi AA. Hydrodynamic Cavitation: An Alternative Method for Algae Removal from Water Resources. *J Environ Health Sustain Dev*. 2020;5(1):925-7.
59. Mosavi Bafroei S, Amrollahi M, **Eslami H**. Application of Analytic Hierarchy Process in Selecting the Most Appropriate Method for Wastewater Treatment in Meybod Villages in Yazd, 2018: A Descriptive Study. *J Rafsanjan Univ Med Sci*. 2019;18(8):783-96. [In Persian]
60. Hosseini M S MSF, **Eslami H**, Jalili M, Afkhami Aghda M. The Effect of Education on Knowledge, Attitude, and Practice of Hospital Personnel in Preventing Hospital Infections. *The Journal of Toloo-e-behdasht*. 2019;18(2):70- 80. [In Persian]
61. **Eslami H**, Almodaresi S, Khosravi R, Fallahzadeh R, Peirovi R, Taghavi M. Assessment of Groundwater Quality in Yazd-Ardakan Plain for Agricultural Purposes Using Geographic Information System (GIS). *Journal of Health*. 2018;8(5):575-86. [In Persian]
62. Tarfiei A, **Eslami H**, Ebrahimi A. Pharmaceutical Pollution in the Environment and Health Hazards. *J Environ Health Sustain Dev*. 2018;3(2):492-5.
63. Nikmanesh MS, **Eslami H**, Momtaz SM, Biabani R, Mohammadi A, Shiravand B, et al. Performance Evaluation of the Extended Aeration Activated Sludge System in the Removal of Physicochemical and Microbial Parameters of Municipal Wastewater: A Case Study of Nowshahr Wastewater Treatment Plant. *J Environ Health Sustain Dev*. 2018;3(2):509-17.
64. **Eslami H**, Sedighi Khavidak S, Salehi F, Khosravi R, Fallahzadeh R, Peirovi R, et al. Biodegradation of methylene blue from aqueous solution by bacteria isolated from contaminated soil. *J Adv Environ Health Res*. 2017;5(1):4-6.
65. **Eslami H**, Mokhtari M, Eslami dost Z, Barzegar Khanghah MR, Ranjbar Ezzatabadi M. Economic evaluation of municipal solid waste recycling in Yazd: Cost-benefit analysis. *Journal of Shahrekord University of Medical Sciences*. 2017;19(3):32-41. [In Persian]
66. Azimzadeh HR, Fallahzadeh RA, Ghaneian MT, Almodaresi SA, **Eslami H**, Taghavi M. Investigation of chemical characteristics and spatiotemporal quantitative changes of dust fall using GIS and RS technologies; a

case study, Yazd city, central plateau of Iran. *Environmental Health Engineering and Management Journal*. 2017.

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### ❖ **Dissertation and thesis (Supervisor and adviser)**

1. Qualitative Comparison of the co-composting of Urban Sewage Sludge Treated with Pistachio Processes and Palatinat. MSc thesis in Environmental Health (Waste management) in Shahid Sadoughi University of Medical Sciences. (**adviser**)
2. The comparison of efficiency polyferric chloride and polytitanium chloride coagulants in chemical precipitation of organic and inorganic pollutants of young and old municipal solid waste leachate. MSc thesis in Environmental Health (Waste management) in Shahid Sadoughi University of Medical Sciences. (**adviser**)
3. The Effect of Health Educational and Promotion Program based on PRECEDE-PROCEED Model on Pro-Environmental behaviors of households in Rafsanjan City. MSc thesis in Health Education and promotion in Rafsanjan University of Medical Sciences. (**adviser**).

### ❖ Gene registration

- ❖ Shariatifar,A., **Eslami,H.**, Rafiee,E., Ebrahimi,A.A. and Hosseini,S.S. GenBank No: MH233577 Klebsiella variicola strain Yazd-1 Mdh (mdh) gene for Bioremediation of RR198 Azo dye. partial cds. Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacterales; Enterobacteriaceae; Klebsiella.

### ❖ Books

1. Ali Asghar Ebrahimi, Mohammad Hassan Ehrampoush, **Hadi Eslami**, Fatemeh Babaei. Greywater (Characteristics, treatment methods and reuse). Khaniran publisher, 2017. ISBN: 978-600-7988-21-3. [In Persian]
2. Mohammad Taghi Ganeian, **Hadi Eslami**, Jalal Sadeghizadeh, Mohsen Mirzaei, Fariba Mansouri, Mohammad Reza Zare, Javad Mirshekari. Health and Safety in Bread Making Centers. Sobhan publisher, 2016. ISBN: 978-600-8429-09-8. [In Persian]
3. **Hadi Eslami**, Maryam Dolatabadi, Akram Ghorbanian. Air Pollution and control strategies. Rafsanjan University of Medical Sciences publisher. 2021. ISBN: 978-622-98197-3-9.
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### ❖ Presentation in Conferences

1. Surveying of pesticides commonly on the market's of Iran in 2009.11<sup>th</sup> International Congress of the Iranian Society of Toxicology. Iranian Journal of Basic Medical Science 2011: 14(5); 190. (**Poster**)
2. Comparing the Efficiency of *Cyperus alternifolius* and *Phragmites australis* Plants in Removal of Indicator Pathogens from Sub Surface Flow Constructed Wetlands. 2013. The 16th National congress of environmental health, Tabriz, Iran. (**Poster**).
3. Health effects related to environmental management. The second national conference of environmental health, health and environment, 11 June, 2015. Hamadan, Iran. (**Poster**).
4. Aerobic treatment of linear alkylbenzene sulfonate in advanced treatment. 2015. 18<sup>th</sup> National Conference on Environmental Health, Shiraz, Iran. (**Poster**).
5. Review on Dust problems in Iran and reduction strategies. 2015. 1<sup>st</sup> National conference on the natural environment. Rasht, Iran. (**Poster**).
6. A framework of health impact assessment in evaluation of vulnerability from climate change. 2015. 1<sup>st</sup> National conference on the natural environment. Rasht, Iran. (**Poster**).
7. The evaluation of fluoride content in available brands of tea in Zabol, Iran. 2015. 1<sup>st</sup> National conference on the natural environment. Rasht, Iran. (**Lecture**).
8. Biodegradation of Methylene Blue using Isolated Bacteria from Soil. 1<sup>st</sup> International and 19<sup>th</sup> National Conference on Environmental Health and Sustainable Development. 22-24 October 2016, Tehran, Iran. (**Poster**).

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9. Biological treatment of grey water with an Integrated Fixed-film Activated Sludge (IFAS) System. . 1<sup>st</sup> International and 19<sup>th</sup> National Conference on Environmental Health and Sustainable Development. 22-24 October 2016, Tehran, Iran. (*Poster*).
10. Anaerobic Treatment and Biogas Production of Composting Leachate by Hybrid Bioreactors. 2<sup>st</sup> International and 20<sup>th</sup> National Conference on Environmental Health and Sustainable Development. November 28-30, 2017, Yazd, Iran. (*Lecture*).
11. Spatial Modeling of Groundwater Quality with Geographic Information Systems in Yazd-Ardakan Plain for Agricultural Purposes. 2<sup>st</sup> International and 20<sup>th</sup> National Conference on Environmental Health and Sustainable Development. November 28-30, 2017, Yazd, Iran. (*Poster*).
12. Cost-Benefit Analysis for Evaluation of Municipal Solid Waste Recycling in Yazd, Iran. 2<sup>st</sup> International and 20<sup>th</sup> National Conference on Environmental Health and Sustainable Development. November 28-30, 2017, Yazd, Iran. (*Poster*).
13. An investigation of the relationship between environmental factors and hormonal abnormalities associated with Down syndrome in pregnant women. 2<sup>st</sup> International and 20<sup>th</sup> National Conference on Environmental Health and Sustainable Development. November 28-30, 2017, Yazd, Iran. (*Poster*).
14. Enhanced coagulation process by nanosized Fe-Mn bimetal oxides in combination with inorganic polymer coagulants for As(V) removal from contaminated water. 22<sup>th</sup> National Conference on Environmental Health. Feb 25-6, 2020, Tehran, Iran. (*Poster*).
15. Treatment of Wastewater from Paper Recycling Industries by Coagulation and Flocculation Process and Optimization of Treatment Conditions by Response Surface Method (RSM). 4<sup>st</sup> International and 23<sup>th</sup> National Conference on Environmental Health. March, 2-4, 2021. Yazd. Iran. (*Poster*).

## Reviewer of journals

- Journal of Hazardous Materials
- Science of the Total Environment
- Environmental Research
- Process Safety and Environmental protection
- Journal of Water Process Engineering
- MethodsX
- Desalination and Water Treatment
- Biomedical and Environmental Sciences
- AMB Express
- Journal of Community Health Research
- Journal of Environmental Health and Sustainable Development

- ☑ Journal of Advances in Environmental Health Research
- ☑ Journal of Rafsanjan University of medical science
- ☑ Journal of Fasa University of medical science

## ↩ Academic workshops

- ☑ 2008: **HSE management** system Workshop. Yazd, Iran.
- ☑ 2015: **GIS and RS** Workshop. Yazd, Iran.
- ☑ 2016: **Design expert**. Yazd, Iran
- ☑ 2017: **Prezi presentation**. Yazd, Iran
- ☑ 2017: **AirQ software**. Yazd, Iran.
- ☑ 2017: **Endnote, SPSS, Minitab**. Yazd, Iran.
- ☑ 2017: **Scientific paper writing**. Yazd, Iran.
- ☑ 2017: **Interpretative Phenomenological Analysis (IPA)** for estimation of health effects and costs attributable to air pollution. Yazd, Iran.
- ☑ 2017: Set up and management of knowledge-based companies in environmental health engineering. Yazd, Iran.
- ☑ 2018. Technical workshop on **DNA Extraction, PCR and Gel Electrophoresis**. Yazd, Iran.
- ☑ 2019. **Research method**. Yazd, Iran