

Curriculum Vitae (C.V)

Dr. Abbas Esmaeili

Last updated in: July, 2021

Personal Information

- Name:** Abbas
- Surname:** Esmaeili
- Date of birth:** 28 August 1963
- Academic Position:** Professor
- Address:** Department of Environmental Health Engineering, School of Health, Rafsanjan University of Medical Sciences, Rafsanjan, Iran
- Email:** @rums.ac.ir - esmailiabbas@yahoo.com
- Tel:** +98 34 – 34259176

Academic Education

Degree	University of graduation	Field of Study	Graduation Year
B.Sc	Shiraz University, Shiraz, Iran	Chemistry	
M.Sc	Tarbiat Modares University, Tehran, Iran	Environmental Health Engineering	
Ph.D	Tehran University of Medical Sciences, Tehran, Iran	Environmental Health Engineering	

Dissertations

- B.Sc:** Formation of cobalt, nickel and copper complexes with murexide in ethanol-water mixtures.
- M.Sc:** Optimization removal Chromium from tannery wastewater by precipitation process.
- Ph.D:** Adsorption of heavy metals from water by native natural clay minerals, batch and continuous studies.

Job Experience

- Head of Rafsanjan University of Medical Sciences (RUMS)
- Head of Student and Cultural Assistant, RUMS.
- Head of director Education Affairs, RUMS.
- Head of director cultural Affairs, RUMS.
- Head of Division, Social Medicine Dept. Medical School, RUMS.
- Head of Division, environmental health engineering Dept. Health School, RUMS.
- Head of Occupational Environment Research Center, Medical School, RUMS.
- Chairman: Journal of Occupational Health and Epidemiology**
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Research Interests

- Environmental nanotechnology, Environmental chemistry
- Water and Wastewater treatment technology, Water reuse, industrial wastewater treatment
- Composting and vermicomposting technology
- Environment toxicology

Publications

❖ published Papers in the Journals

1. Eslami H., Esmaili, A., Ehrampoush, M.H., Ebrahimi, A.A., Taghavi, M., Khosravi, Simultaneous presence of poly titanium chloride and Fe₂O₃-Mn₂O₃ nanocomposite in the enhanced coagulation for high rate As(V) removal from contaminated water, Journal of Water Process Engineering, 2020, 36(10)1342),
2. M. Mobini H. Eslami, R. Tajik, M. Esmaili, A. Esmaili, Assessment of the Quality of Rafsanjan Drinking Water Resources using Water Quality Index (WQI) Model in 2018: A Descriptive Study. J Rafsanjan Univ Med Sc, 2020 , 18(10), 224–237, 985-96.(In persian)
3. L. Sotoodeh, A. Dini, M. Rezaeian, A. Esmaili, A. Asgarian, Evaluation of aflatoxin M1 contamination in pasteurized milk in Kerman and Rafsanjan cities in 2019: A Descriptive Study. Journal of Rafsanjan University of Medical Sciences, 2021. (In Persian)
4. Ali Farsia, Majid Aghasib, Abbas Esmaili, Hadi Eslamid, 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, 204 (2020) 224–237.

5. 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*. 2019;118523.
6. 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.
7. 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.
8. 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. **(IF: 7.43)**
9. 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. **(IF: 2.2)**
10. Eslami H, Ehrampoush MH, Esmaeili A, Ebrahimi AA, Salmani MH, Ghaneian MT, et al. Efficient photocatalytic oxidation of arsenite from contaminated water by Fe₂O₃-Mn₂O₃ nanocomposite under UVA radiation and process optimization with experimental design. *Chemosphere*. 2018; 207:303-12. **(IF: 4.42)**
11. Eslami H, Ehrampoush MH, Esmaeili A, Ebrahimi AA, Salmani MH, Ghaneian MT, et al. Biodegradation and nutrients removal from greywater by an integrated fixed-film activated sludge (IFAS) in different organic loadings rates, *AMB Expr* (2018) 8:3.
12. Vazirinejad R, Esmaeili A, Hassanshahi G, vazirinejad H, Ferritin concentration and pregnancy outcome; linear models for predicting birth weight and birth height. *Food and Nutrition Bulltin*, 2007.
13. A. Esmaeili, A. Mesdaghi nia , R. Vazirinejad, Chromium (III) Removal and Recovery from Tannery Wastewater by Precipitation process, *American Journal of Applied Sciences*, 2(2), 2005.
14. Vazirinejad R., Esmaeili A., K. Dashti, J. Lilley “ A Community-Based Survey of Domestic Accidents among pepole living in Rural Area of Rafsanjan”- IRAN(April-March) Proceeding of the First International Conference on Safety and Security Engineering; Rome Italy; 13-15 June. 2005.
15. Vazirinejad R., Esmaeili A., A. Sarsangi, J. Lilley “ One Year Incidence Rate of Accidents Among Primary School Pupils Rafsanjan”- *Iranian J of Public Health*. 2007.
16. R Vazirinejad , A Esmaeili, D Shahi Moridi, A Sadeghi, AR Rahimnia, Surveying the incidence of congenital anomalies, Research in Medicine 2008, 32(1): 67-73 .
17. Esmaeili A., Vazirinejad R. One year survey on job-related accidents among Bam farmers who referred to the health centers after the earthquake (2005-2006) *Industrial Health*, submitted.
18. Esmaeili A., Vazirinejad R. One year survey on job-related accidents among secondary school pupils in an Iranian community. *Pakistani Journal of Medical Sciences*, 2008. 24(2).
19. Vazirinejad R, Esmaeili A, Darakhshan Sh, The effect of maternal breast variations on neonatal weight gain in the first seven days of life, *International Breastfeeding Journal*, 2009, **4**:13

20. Vazirinejad, R., Darakhshan, S., Esmaeili, A., Hadadian, S. The effect of maternal breast variations on neonatal weight gain in the first seven days of life. *International Breastfeeding Journal*; 2009.
21. Vazirinejad, R., Esmaeili, A. Five-year follow up of job-related injuries among Sarcheshme Copper Mine Complex workers. *Pakistan Journal of Medical Sciences*; 2009.
22. Asadpour M, Vazirinejad R, Esmaeili A, Bazyar SH, Fallah A. The knowledge, attitude, and practice of physicians and medical students of Rafsanjan University of Medical Sciences, Iran, regarding standard precautions. *JOHE*, 2013; 2(3).
23. Vazirinejad R, et al. a survey on occupational accidents due to construction activities in Rafsanjan, Iran (1998-2000). *The journal of Rafsanjan University of Medical Sciences*, 2003. (in Persian)
24. Esmaeili A, Vazirinejad R, et al. A survey on Microbial quality and free residual CL in drinking water of Rafsanjan (2000-2001), Behsazan Mohit, Mazandaran University of Medical Sciences Journal, 2003, 6; 23-27. (in Persian)
25. Vazirinejad R, Esmaeili A, Kazemi M. Occupational Accidents in Construction Industry among People Referring to Labor and Social Affairs Office Rafsanjan, During 2000-2002. *Journal of Rafsanjan University of Medical Sciences*, 2005. 4(4): p. 326-331 [Persian].
26. Tabatabaei Z., Esmaeili A, Vazirinejad R, et al. The satisfaction of patients referring to emergency ward of Ali-ebn Abitaleb Hospital from treatment services in October 2002, Rafsanjan. *The journal of Rafsanjan University of Medical Sciences*, 2003. (in Persian)
27. Vazirinejad R, Esmaeili A, et al. the association between Noise pollution and hearing loss; a cohort study. *Pajohandeh Journal*, 2005. (In Persian).
28. Vazirinejad R, Esmaeili A, et al. recording the cause of death in deceased certificates of an Iranian population regarding ICD-10 regulations. *Health Information Management*, 2004, 3; 2 136. (in Persian)
29. Esmaeili A, Vazirinejad R, et al. A survey on occupational accidents among people referring to Kerman job office (1996-2001), Kerman, Iran. *Teb Kar, the journal of Shahid Sodughi Medical University, Yazd*. 2005, 4; 38-44. . (in Persian)
30. Esmaeili A, Vazirinejad R, et al. Protection and environmental health in Islam. *The journal of Rafsanjan University of Medical Sciences*, 2007. (in Persian)
31. Salem Z, Vazirinejad R, Esmaeili A, et al. A review on fasting effects on Diabetes patients. *The journal of Rafsanjan University of Medical Sciences*, 2007. (in Persian)
32. Rezaeian M, Vazirinejad R, Esmaeili A, et al. Islam and suicide. *The journal of Rafsanjan University of Medical Sciences*, 2007. (in Persian)
33. Rezaeian M, Vazirinejad R, Esmaeili A, et al. Knowledge, attitude and performance of Rafsanjan retired men about prevention of prostate cancer. *Ofogh Journal*. 2007. (in Persian)
34. Esmaeili A, Salem Z, Sheikh Fathollahi M, Rezaeian M, Ebrahimi Nejad S, Assessment of health-promoting lifestyle in medical students of Rafsanjan University of Medical Sciences, Iran, in 2014. *JOHE*; 2015; 4(1).

35. Tabatabaei Seyed Zia, Rezaeian Mohsen, Haliza Mohd Riji, Esmaeili Abbas, Langarizadeh Mostafa, Patient Satisfaction with Care Received from Emergency Department of Ali-Ebne-Abitaleb Hospital, Iran. *Journal of Health Management*, 2011, 13(1).
36. Abbas Esmaeili, Mohsen Rezaeian, Hamid Reza Naghizadeh, Shireen Khajehosseini, Mohammad Mobini, Lighting intensity in university libraries of Rafsanjan, Iran, in 2014. *Journal of Occupational Health and Epidemiology*, 2017, 6(2).
37. Vazirinejad R, Esmaeili A, Shahimorid D, Sadighi A, Rahimnia AR. Surveying the incidence of congenital anomalies. *Research in Medicine* 2008, 32(1): 67-73. (in Persian)
38. Esmaeili A, Rezaeian M, Sanji M, Sheikh Fathollahi M, Mortavazi SM, Ghasemi HR, Vazirinejad R. A one year survey of motor vehicle accidents in Rafsanjan, Iran, in 2014. *JOHE*, 2014; 3(2); 145-151.
39. Abbas Esmaeili, Hamid Ostad ebrahimi, Mahmood Sheikh Fathollahi, One-Year Hospital Admission of Accidents among Children Under 15 Years Old in Rafsanjan, Iran (2014-2015), *Research Journal of Medical Sciences*, 2016, 10(4).
40. Abbas Esmaeili, Mohsen Rezaeian, Mahmood Sheikh Fathollahi, and Mohammad Mobini, the Frequency of Occupational Accidents in Rafsanjan City in 2008-2012. *Journal of Health and Development*, (2015), 4 (3).
41. A. Esmaeili, SM Hosseini, F Mahdian, M Rezaeian, M Hadavi, Teachings of the Quran in maintaining and promoting the fourth dimension of health (spiritual health): A review study. *TEB VA TAZKIEH*, 2015, 24(1).
42. A Esmaeili, M Rezaeian, M Sanji, M Sheikhfatollahi, M Mortavazi, HR Ghasemi, RVazirinejad, A one year survey of motor vehicle accidents in Rafsanjan, Iran, in 2014. *Journal of Occupational Health and Epidemiology*. *JOHE*, (2015, 3(3).
43. R Vazirinejad, A Esmaeili, GH Hassanshahi, L Razi, Does shift work increase the levels of blood pressure and cholesterol among hospital nurses? A historical cohort study, *Journal of Occupational Health and Epidemiology*, 2012, 1(1).
44. M Rezaeian, R Vazirinajad, A. Esmaeili, Z Salem, M Asadpour, L Heidari, Internal Evaluation of Social Medicine Department of Rafsanjan Medical School. *Journal of Rafsanjan University of Medical Sciences*, 211, 10(1).
45. A. Esmaeili, R Vazirinejad, F Shahrokhi, An annual survey of work-induced accidents in injured farmers referring to health centers in Bam. *Occupational Medicine Quarterly Journal*, 2009, 1(1).
46. R VaziriNejad, A Esmaeili, M MirMotalabi, Gh H Hasanshahi, One-Year Incidence Rates of Job-Related Accidents in one of the Biggest Iranian Copper Factories (2004-2005): A New Method to Assess Job-Related Accidents Severity, *Journal of Rafsanjan University of Medical Sciences*, 2009, 8(2).
47. A. Esmaeili, S Naseri, AH Mahvi, Absorption of copper (Cu²⁺) and nickel (Ni²⁺) from aqueous solutions by volcanic ash soil, *Hormozgan Medical Journal*, 2004, 8(1).
48. Z Salem, M Sheikhfatollahi, A Esmaeili, Prevalence of malnutrition in children 1-5 years old in Rafsanjan city in the year 2000. *Journal of Rafsanjan University of Medical Sciences*, 2002, 1(4).

49. Mojtaba Shamsipur, Abbas Esmaeili, Mohammad Kazem Amini, Formation of cobalt, nickel and copper complexes with murexide in ethanol-water mixtures. *Talanta*, 1989, 36(12).

❖ Books

1. Esmaeili A, Vazirinejad R. Safety and working with chemical substances. (in Persian).
2. Esmaeili A, Removal of heavy metals from industrial wastewater. (in Persian).
3. Tabatabaei Seyed Zia, Rezaeian Mohsen, Esmaeili Abbas and et al., healthy villages. (Translate)

🔗 Participation in the national & international scientific meetings

1. Vazirinejad R, **Esmaeili A.**, et al. Domestic accidents in Rafsanjan. 1th International Congress of Safety and Engeneering, 2005, Rome, Italy. (Speech)
2. Salem Z., Esmaeili A, et al., Prevalence of malnutrition in children 1-5 years old in Rafsanjan in 2002, Iran. 7th Iranian Congress of Obesity, 2002.
3. Esmaeili A, Vazirinejad R, et al. assessing microbial quality and free residual CL in Rafsanjan drinking water (2001-2002). 8th National Congress of Environmental Health, Tehran, Iran, 2005.
4. Vazirinejad R, Esmaeili A., et al. one-year incidence rate of accidents among primary school pupils in Rafsanjan (2001-2002). 3th National Congress of Epidemiology, Kerman, Iran, 2006.
5. Vazirinejad R, Esmaeili A., et al. Islam and Health promotion. 1th national Congress of Health in Great Prophet lessons, Rafsanjan, Iran, 2006.
6. Vazirinejad R, et al. A review on the effects of fasting on diabetes patient's health. 1th national Congress of Health in Great Prophet lessons, Rafsanjan, Iran, 2006.
7. Rezaeian M, Vazirinejad R, Esmaeili A, et al. Islam and suicide. 1th national Congress of Health in Great Prophet lessons, Rafsanjan, Iran, 2006.
8. Esmaeili A, Vazirinejad R, et al. Protection and environmental health in Islam. 1th national Congress of Health in Great Prophet lessons, Rafsanjan, Iran, 2006.
9. Vazirinejad R, Esmaeili A, et al. A survey on knowledge, attitude, and performance of health workers of family health section in Rafsanjan health centres about family planning. 2th National Congress health education and health promotion, Zahedan, Iran, 2005.
10. Esmaeili A., Nasser S., Mahvi A.H, Atash Deghan R., " Asorption lead and zinc ions from aqueous solution by Red soil, Proceeding of the 2th National Seminar of Chemistry and Environmen; Isfhan Iran; 27-29 Jan. 2003.

11. A Esmaeili, Nasseri S., Mahvi A.H, Atash Deghan R., " Adsorption lead and zinc ions from aqueous solution by volcanic ash soil, Proceeding of the 8th International Conference on Environmental Science and Technology; Lemnos Island Greece; 8-10 Sep. 2003.
12. Salem Z., Esmaeili A, et al., Blood Pressure in Adults of Rafsanjan City in 2002, 2th Congress on the Prevention of Non-Communicable Diseases, Iran, Tehran, 2003.
13. Esmaeili A., Nasseri S., Mahvi A.H, Atash Deghan R Removal of Lead and zinc from aqueous solutions by volcanic ash soil, 5th Iranian Environmental Health Congress, Tehran, 2003.
14. Esmaeili A., et al., Removal of chromium from tannery wastewater by chemical precipitation, 7th Iranian Environmental Health Congress, 2004.
15. Esmaeili A., et al., Application of natural mineral (volcanic ash) in removal of heavy metals from industrial wastewater, 6th Safety Conference, Health and Environment in Mining and Mining Industries, Tehran 2006