

In the Name of God



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Qualifications

BSc Degree in Environmental Health Engineering

Iran University of Medical Sciences

Tehran, Iran, 2003

Master of Environmental Health Engineering

Tarbiat Modares University

Tehran, Iran, 2008

PhD in Environmental Health Engineering

Tarbiat Modares University

Tehran, Iran, 2013

Professional Experiences

2010-2012: Part time lecturer at School of Health, Shiraz University of Medical Sciences

2013 to now: Full time **Associate Professor**, School of Health, Shiraz University of Medical Sciences

Courses Thought

- A. Wastewater treatment plant design to Msc students in Environmental Health Engineering
- B. Water resources development management to Msc students in Environmental Health Engineering
- C. environmental biotechnology and microbiology to Bsc students in Environmental Health Engineering
- D. Air pollution to Bsc students in Environmental Health Engineering
- E. Wastewater and water facilities operation to Bsc students in Environmental Health Engineering
- F. Fluids mechanic to Bsc students in Environmental Health Engineering
- G. Water Quality Management to Bsc students in Environmental Health Engineering

Professional Membership

- A. Formal member of the Research Center for Health Sciences, Shiraz University of Medical Sciences, since 2013

Research Interest

- A. Water and wastewater biotechnology
- B. Biological treatment of industrial wastes and nutrients
- C. Air pollution of environment

Scientific Presentations

1. Presentation at the 17th National Congress on Environmental Health, Bushehr University, Bushehr, Iran, 2015.

2. Presentation at the 16th National Congress on Environmental Health, Tabriz University, Tabriz, Iran, 2013.
3. Presentation at the 13st National Congress on Environmental health, Hamedan, Iran, 2008.
4. Presentation at the 2st Global Conference on Environmental Studies, Antalya, Turkey, 2014.
5. Presentation at the 14th National Congress on Environmental Health, Yazd, Iran, 2012.
6. Presentation at the 13th National Congress on Environmental Health, Kerman, Iran, 2011.
7. Presentation at the 9th National Congress on Environmental Health, Esfahan, Iran, 2007
8. Presentation at the 1th National Congress on microbiology, alzahra university, Tehran, Iran, 2010.
9. Presentation at the 2th National Congress on environment , Tehran university, Tehran, Iran, 2007
10. Presentation at the 1th National Congress on air pollution , Tarbiat modares university, Tehran, Iran, 2010
11. Presentation at the 1th National Congress on mines and environment , Emam Khomeini hospital, Tehran, Iran, 2007

Publications

- Investigation of a New Double-Stage Aerobic-Anoxic Continuous-Flow Cyclic Baffled Bioreactor Efficiency for Wastewater Nutrient Removal, journal of environmental management, 2018(ISI, IF=4.1)
- Oily wastewaters treatment using *Pseudomonas* sp. isolated from the compost fertilizer , *Journal of Environmental Health Science and Engineering* 2014,(ISI, IF=2)
- The effects of simultaneous application of plant growth regulators and bioaugmentation on improvement of phytoremediation of pyrene contaminated soils, *chemosphere*, 2016(ISI, IF=4.2)
- Removal of arsenic from aqueous solutions using waste iron columns inoculated with iron bacteria, Environmental Technology, 2015(ISI, IF=1.8))
- Removal of sodium dodesyle sulfate in an intermittent cycle extended aeration system, *journal of biological science*, 2008
- Isolation of the Lipase Producing Bacteria from oily wastewaters and determination of the Variables for Optimum Lipase Production , *Fresenius environmental bulletin*, 2013.(ISI)
- *Study of Reactive Red 198 adsorption on Iron Filings from Aqueous Solutions* , Environment Technology, 2014(ISI)
- *Simultaneous removal of nutrients in a novel anaerobic–anoxic/aerobic sequencing reactor: removal of nutrients in a novel reactor*, *Int. J. Environ. Sci. Technol.* DOI 10.1007/s13762-015-0871-5. (ISI, IF=2.4)
- Stabilization and Dewatering of Wastewater Treatment Plants Sludge Using Combined Bio/Fenton-Like Oxidation Process, Drying Technology, 2016,(ISI, IF=1.8)
- A comparative study of removal of methyl tertiarybutyl ether (MTBE) from aquatic environments through advanced oxidation methods of H₂O₂/nZVI, H₂O₂/nZVI/ultrasound, and H₂O₂/nZVI/UV, Desalination and Water Treatment, (2016) 1–11 (ISI)

- Investigating the Quantity and Quality of Wastes in Shahid Chamran Hospital, Shiraz, in 2012-2013, International Journal of Science and Technology Volume 3 No. 8, August, 2014
- Removal of phosphate from municipal wastewater using anaerobic /aerobic modified SBR reactor, International Journal of Environmental Science and Toxicology Vol. 2(8) pp. 152-159, August, 2014
- Degradation of organic matter of municipal sewage sludge using ultrasound treatment, health scope journal, 2014
- Removal of surfactant and organic matter from wastewater in an intermittent cycle extended aeration system, Journal of Biology(2008)(Persian).
- Comparison of ANN and PCA based multivariate linear regression applied to predict the daily average concentration of CO: a case study of Tehran, Journal of the Earth and Space Physics (2008)(Persian)
- « Effects of pH on the kinetics of Methyl Tertiary Butyl Ether degradation by oxidation process (H₂O₂ / NZVI / Ultrasonic), Jundishapur J Health Sci. 2015 July; 7(3): e30285.
- Health Impacts of Exposure to PM₁₀ on Inhabitants of Shiraz, Iran, health scope,4(4) 2015.
- Assessment of Environmental Health and Safety Status of public and private schools in Shiraz city in educational year of 2014, International Journal of School Health, 2015.
- Leaching Zn, Cd, Pb, and Cu from Wastewater Sludge Using Fenton Process, *J Health Sci Surveillance Sys* October 2015; Vol 3; No 4.:153-59.
- Removal of Pyrene from Soil Using Phytoremediation (Sorghum Bicolor-Pseudomonas). Health Scope. 2017 ;6(4):e62153.
- Dataset on assessment of physical and chemical quality of groundwater in rural drinking water, west Azerbaijan Province in Iran, Radfard, M., Soleimani, H., Azhdarpoor, A., Faraji, H., Mahvi, A.H. ۲۰۱۸ Data in Brief , 21, pp. 556-561.
- Data on health risk assessment to the nitrate in drinking water of rural areas in the Khash city, Iran, Radfard, M., Rahmatinia, M., Tabatabaee, H., (...), Mahvi, A.H., Azhdarpoor, A. ۲۰۱۸ Data in Brief , 21, pp. 1918-1923.
- Data on health risk assessment of fluoride in drinking water in the Khash city of Sistan and Baluchistan province, Iran, Azhdarpoor, A., Radfard, M., Rahmatinia, M., (...), Akbari, H., Adibzadeh, A. ۲۰۱۸ Data in Brief , 21, pp. 1508-1513.

Books

- Compilation of the design and operation of sequential batch reactor system SBR
- translation of the biological treatment of industrial effluents
- Translation of Environmental Microbiology

- Translation of the design of wastewater treatment plant , Qasim

List of Supervised Treatises and Dissertations

1. Removal of nutrient from wastewater by anaerobic /aerobic modified SBR reactor (Dissertation of MSc. student in Environmental Health Engineering).
2. Removal of arsenic from aqueous solutions using waste iron columns inoculated with iron bacteria (Dissertation of MSc. student in Environmental Health Engineering).
3. Bioleaching of heavy metals from sludge using biological oxidation and Fenton process (Dissertation of MSc. student in Environmental Health Engineering).
4. Dewatering of sludge using biological oxidation and Fenton process (Dissertation of MSc. student in Environmental Health Engineering).
5. Relationship between mortality and cardiovascular diseases and air pollution in Shiraz using air Q Software (Dissertation of MSc. student in Environmental Health Engineering).