



Dr. Reza Saeedi

Contact Information

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Academic Rank

Assistant Professor

Education

PhD

Environmental Health Engineering, Tehran University of Medical Science, Tehran, Iran, 2011

MSc

Environmental Health Engineering, Tehran University of Medical Science, Tehran, Iran, 2006

BSc

Environmental Health, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2003

Language Skills

English

Scientific Position

Assistant Professor

Department of Health, Safety and Environment (HSE), School of Health, Safety and Environment, Shahid Beheshti University of Medical Sciences, 2018

Department of Health Sciences, School of Health, Safety and Environment, Shahid Beheshti University of Medical Sciences, 2012 to 2018

Lecturer

Department of Health Sciences, School of Health, Safety and Environment, Shahid Beheshti University of Medical Sciences, 2007-2012

Course Teaching

- Environmental Health Management
- Air Pollution and Health
- Water Quality Management
- Municipal Wastewater Treatment
- Industrial Wastewater Treatment
- Water Treatment
- Integrated Solid Waste Management
- Hazardous Waste Management
- Unit Operation and Processes in Environmental Health
- Biological Processes of Water and Wastewater Treatment

Research Interests

- Environmental health and hazard risk management
- Health, safety and environment management system
- Quantification of health effects of occupational and public environment
- Environmental burden of disease
- Environmental monitoring and assessment
- Innovative methods for water and wastewater treatment

Papers

- 1) Nasser S, Ebrahimi S, Abtahi M, [Saeedi R](#). Synthesis and characterization of polysulfone/graphene oxide nano-composite membranes for removal of bisphenol A from water. *Journal of Environmental Management*. 2018; 205: 174-82.
- 2) Mahvi AH, Dobaradaran S, [Saeedi R](#), Mohammadi MJ, Keshtkar M, Hosseini A, et al. Determination of fluoride biosorption from aqueous solutions using ziziphus leaf as an environmentally friendly cost effective biosorbent. *Fluoride*. 2018; 51(3): 220–29.
- 3) Koolivand A, Naddafi K, Nabizadeh R, [Saeedi R](#). Optimization of combined in-vessel composting process and chemical oxidation for remediation of bottom sludge of crude oil storage tanks. *Environmental Technology*. 2018;39(20):2597-603.
- 4) Keshtkar M, Dobaradaran S, [Saeedi R](#), Mohammadi MJ, Nazmara S, Khajeahmadi N, et al. Levels and Effective Factors on Haloacetic Acids Formation in Drinking Water. *Fresenius Environmental Bulletin*. 2018;27(4):2225-34.
- 5) Jorfi S, Pourfadakari S, Pourhosseini H, Zarei M, Abtahi M, [Saeedi R](#). Assessment of Aflatoxin B1 and Ochratoxin A Levels in Rice Produced in Khuzestan and Kohgiluyeh and Boyer Ahmad Provinces, Iran. *Journal of Mazandaran University of Medical Sciences*. 2018;27(156):66-79.
- 6) Gholamnia R, Ebrahimian M, Gendeshmin SB, [Saeedi R](#), Firooznia S, editors. Effective Factors on the Occurrence of Falling from Height Accidents in Construction Projects by Using DEMATEL Method. *Congress of the International Ergonomics Association*; 2018. Springer, Cham.
- 7) Dobaradaran S, Soleimani F, Nabipour I, [Saeedi R](#), Mohammadi MJ. Heavy metal levels of ballast waters in commercial ships entering Bushehr port along the Persian Gulf. *Marine Pollution Bulletin*. 2018;126:74-76.
- 8) Dobaradaran S, Schmidt TC, Nabipour I, Ostovar A, Raeisi A, [Saeedi R](#), et al. Cigarette butts abundance and association of mercury and lead along the Persian Gulf beach: an initial investigation. *Environmental Science and Pollution Research*. 2018;25(6):5465-73.
- 9) Dobaradaran S, Schmidt TC, Nabipour I, Khajeahmadi N, Tajbakhsh S, [Saeedi R](#), et al. Characterization of plastic debris and association of metals with microplastics in coastline sediment along the Persian Gulf. *Waste Management*. 2018;78:649-58.
- 10) Dobaradaran S, Nabipour I, Ramavandi B, [Saeedi R](#), Spitz J, Izadi A, et al. Trace metals in zooplankton from the northern Persian Gulf. *Marine Pollution Bulletin*. 2018;137:9-11.
- 11) Abtahi M, Koolivand A, Dobaradaran S, Yaghmaeian K, Mohseni-Bandpei A, Khaloo SS, [Saeedi R](#), et al. Defluoridation of synthetic and natural waters by polyaluminum chloride-chitosan (PACl-Ch) composite coagulant. *Water Science and Technology: Water Supply*. 2018;18(1):259-69.
- 12) Abtahi M, Koolivand A, Dobaradaran S, Yaghmaeian K, Khaloo SS, Jorfi S, [Saeedi R](#), et al. National and subnational mortality and disability-adjusted life years (DALYs) attributable to 17 occupational risk factors in Iran, 1990–2015. *Environmental Research*. 2018;165:158-75.

- 13) Abtahi M, Jorfi S, Mehrabi N, [Saeedi R](#), Darvishi Cheshmeh Soltani R, Barzegar G. A novel combination of surfactant addition and persulfate-assisted electrokinetic oxidation for remediation of pyrene-contaminated soil. *Chemical and Biochemical Engineering Quarterly*. 2018;32(1):55-69.
- 14) Abtahi M, Dobaradaran S, Jorfi S, Koolivand A, Mohebbi MR, Montazeri A, [Saeedi R](#), et al. Age-sex specific and sequela-specific disability-adjusted life years (DALYs) due to dental caries preventable through water fluoridation: An assessment at the national and subnational levels in Iran, 2016. *Environmental Research*. 2018;167:372-85.
- 15) Dobaradaran S, Soleimani F, Nabipour I, [Saeedi R](#), Mohammadi MJ. Heavy metal levels of ballast waters in commercial ships entering Bushehr port along the Persian Gulf. *Marine Pollution Bulletin* 2018; 126: 74-76.
- 16) Momeniha F, Faridi S, Amini H, Shamsipour M, Naddafi K, Yunesian M, [Saeedi R](#), et al. Estimating national dioxins and furans emissions, major sources, intake doses, and temporal trends in Iran from 1990–2010. *Journal of Environmental Health Science and Engineering* 2017; 15: 20.
- 17) Nasserri S, Ebrahimi S, Abtahi M, [Saeedi R](#). Synthesis and characterization of polysulfone/graphene oxide nano-composite membranes for removal of bisphenol A from water. *Journal of environmental management* 2017; 205: 174-182.
- 18) Esmaili A, Karbasdehi VN, [Saeedi R](#), Mohammadi MJ, Sobhani T, Dobaradaran S. Data on heavy metal levels (Cd, Co, and Cu) in wheat grains cultured in Dashtestan County, Iran. *Data in Brief* 2017; 14: 543-547.
- 19) Barzegar G, Jorfi S, Soltani RDC, Ahmadi M, [Saeedi R](#), Abtahi M, et al. Enhanced Sono-Fenton-Like Oxidation of PAH-Contaminated Soil Using Nano-Sized Magnetite as Catalyst: Optimization with Response Surface Methodology. *Soil and Sediment Contamination: An International Journal* 2017: 1-20.
- 20) [Saeedi R](#), Khakzad S, Koolivand A, Dobaradaran S, Khaloo SS, Jorfi S, et al. Transformer oils as a potential source of environmental exposure to polychlorinated biphenyls (PCBs): an assessment in three central provinces of Iran. *Environmental Science and Pollution Research* 2017; 24: 19098-19103.
- 21) Koolivand A, Rajaei MS, Ghanadzadeh MJ, [Saeedi R](#), Abtahi H, Godini K. Bioremediation of storage tank bottom sludge by using a two-stage composting system: Effect of mixing ratio and nutrients addition. *Bioresource Technology* 2017; 235: 240-249.
- 22) Abtahi M, Koolivand A, Dobaradaran S, Yaghmaeian K, Mohseni-Bandpei A, Khaloo SS, [Saeedi R](#), et al. National and sub-national age-sex specific and cause-specific mortality and disability-adjusted life years (DALYs) attributable to household air pollution from solid cookfuel use (HAP) in Iran, 1990–2013. *Environmental Research* 2017; 156: 87-96.
- 23) Koolivand A, Mazandaranzadeh H, Binavapoor M, Mohammadtaheri A, [Saeedi R](#). Hazardous and industrial waste composition and associated management activities in

- Caspian industrial park, Iran. *Environmental Nanotechnology, Monitoring & Management* 2017; 7: 9-14.
- 24) Dobaradaran S, Nabipour I, Keshtkar M, Ghasemi FF, Nazarialamdarloo T, Khalifeh F, ***Saeedi R***, et al. Self-purification of marine environments for heavy metals: a study on removal of lead (II) and copper (II) by cuttlebone. *Water Science and Technology* 2017; 75: 474-481.
 - 25) Ahmadi M, Ramezani Motlagh H, Jaafarzadeh N, Mostoufi A, ***Saeedi R***, Barzegar G, et al. Enhanced photocatalytic degradation of tetracycline and real pharmaceutical wastewater using MWCNT/TiO₂ nano-composite. *Journal of Environmental Management* 2017; 186: 55-63.
 - 26) Nafez AH, Lotfi S, Rostami R, ***Saeedi R***, Lotfi S. Assessment the noise level in libraries and dormitories of kermanshah university of medical sciences in 2016 (kermanshah, Iran). *Fresenius Environmental Bulletin* 2017; 26: 4890-4893.
 - 27) Jorfi S, Barzegar G, Ahmadi M, Soltani RDC, Takdastan A, ***Saeedi R***, et al. 2016. Enhanced coagulation-photocatalytic treatment of Acid red 73 dye and real textile wastewater using UVA/synthesized MgO nanoparticles. *Journal of environmental management*. 177: 111-118.
 - 28) Rafiee M, ***Saeedi R***, Abtahi M, Ghalami S, Jahangiri-Rad M. 2016. Prevalence of hospital-acquired infections in intensive care units in public hospitals in Tehran, Iran, in 2012-2014. *Journal of Advances in Environmental Health Research*. 4(1).
 - 29) Naddafi K, Mesdaghinia A, Abtahi M, Yaghmaeian K, Nabizadeh R, Jaafarzadeh N, ***Saeedi R***, et al. 2016. Removal of dichloromethane from waste gasstreams using a hybrid bubble column/biofilter bioreactor: effect of empty bed retention time and kinetic of biofiltration. *Journal of Air Pollution and Health*. 1(2):51-60.
 - 30) Dobaradaran S, Nabipour I, ***Saeedi R***, Ostovar A, Khorsand M, Khajeahmadi N, et al. 2016. Association of metals (Cd, Fe, As, Ni, Cu, Zn and Mn) with cigarette butts in northern part of the Persian Gulf. *Tobacco Control*. 2016:tobaccocontrol-2016-052931.
 - 31) Beiki A, Yunesian M, Nabizadeh R, ***Saeedi R***, Sori L, Abtahi M. 2016. Analytic Assessment of Microbial Water Quality in Public Swimming Pools of Tehran in 2013. *Iranian Journal of Health and Environment*. 9(1):15-26.
 - 32) Naddafi, K., Rastkari, N., Nabizadeh, R., ***Saeedi, R.***, Gholami, M., Sarkhosh, M. 2016. Adsorption of 2, 4, 6-trichlorophenol from aqueous solutions by a surfactant-modified zeolitic tuff: batch and continuous studies. *Desalination and Water Treatment*, 57: 5789–5799.
 - 33) Abtahi, M., Yaghmaeian, K., Mohebbi, M.R., Koulivand, A., Rafiee, M., Jahangiri-rad, M., Jorfi, S., ***Saeedi, R.***, Oktaie, S. 2016. An innovative drinking water nutritional quality index (DWNQI) for assessing drinking water contribution to intakes of dietary elements: A national and sub-national study in Iran. *Ecological Indicators*, 60: 367-376.

- 34) Dehghani, M.H., Mahvi, A.H., Rastkari, N., [Saeedi, R.](#), Nazmara, S., Iravani, E., 2015. Adsorption of bisphenol A (BPA) from aqueous solutions by carbon nanotubes: kinetic and equilibrium studies. *Desalination and Water Treatment*, 54(1): 84-92.
- 35) Abtahi, M., Golchinpour, N., Yaghmaeian, K., Rafiee, M., Jahangiri-rad, M., Keyani, A., [Saeedi, R.](#), 2015. A modified drinking water quality index (DWQI) for assessing drinking source water quality in rural communities of Khuzestan Province, Iran. *Ecological Indicators*, 53: 283-291.
- 36) Abtahi, M., Naddafi, K., Mesdaghinia, A., Yaghmaeian, K., Nabizadeh, R., Jaafarzadeh, N., Rastkari, N., Nazmara, S., [Saeedi, R.](#), 2014. Removal of dichloromethane from waste gas streams using a hybrid bubble column/biofilter bioreactor. *Journal of Environmental Health Science and Engineering*, 12(1): 22.
- 37) Abtahi, M., Naddafi, K., Mesdaghinia, A., Yaghmaeian, K., Nabizadeh, R., Jaafarzadeh, N., Rastkari, N., [Saeedi, R.](#), Nazmara, S., 2013. Dichloromethane emissions from automotive manufacturing industry in Iran: case study of the SAIPA automotive manufacturing company. *Toxicological & Environmental Chemistry*, 95: 757–764.
- 38) Abtahi, M., Mesdaghinia, A., [Saeedi, R.](#), Nazmara, S., 2013. Biosorption of As(III) and As(V) from aqueous solutions by brown macroalga *Colpomenia sinuosa* biomass: kinetic and equilibrium studies. *Desalination and Water Treatment*, 51: 3224–3232.
- 39) Mohebbi, M.R., [Saeedi, R.](#), Montazeri, A., Azam Vaghefi, K., Labbafi, S., Oktaie, S., Abtahi, M., Mohagheghian, A., 2013. Assessment of water quality in groundwater resources of Iran using a modified drinking water quality index (DWQI). *Ecological Indicators*, 30: 28–34.
- 40) [Saeedi, R.](#), Naddafi, K., Nabizadeh, R., Mesdaghinia, A., Nasser, S., Alimohammadi, M., Nazmara, S., 2012. Denitrification of drinking water using a hybrid heterotrophic/autotrophic/BAC bioreactor. *Desalination and Water Treatment*, 45: 1-10.
- 41) [Saeedi, R.](#), Naddafi, K., Nabizadeh, R., Mesdaghinia, A., Nasser, S., Alimohammadi, M., Nazmara, S., 2012. Simultaneous removal of nitrate and natural organic matter (NOM) from drinking water using a hybrid heterotrophic/autotrophic/BAC bioreactor. *Environmental Engineering Science*, 29(2): 93-100.
- 42) Mesdaghinia, A., Vaghefi, K.A., Montazeri, A., Mohebbi, M.R., [Saeedi, R.](#), 2010. Monitoring of fluoride in groundwater resources of Iran. *Bulletin of Environmental Contamination and Toxicology*, 84: 432-437.
- 43) Mesdaghinia, A., Mahvi, A.H., [Saeedi, R.](#), Pishrafi, H., 2010. Upflow Sludge Blanket Filtration (USBF): an innovative technology in activated sludge process. *Iranian Journal of Public Health*, 39(2): 7-12.
- 44) Mesdaghinia, A.R., Naddafi, K., Nabizadeh, R., [Saeedi, R.](#), Zamanzadeh, M., 2009. Wastewater characteristics and appropriate method for wastewater management in the hospitals. *Iranian Journal of Public Health*, 38(1): 34-40.

- 45) Naddafi, K., [Saeedi, R.](#), 2009. Biosorption of copper(II) from aqueous solutions by brown macroalga *Cystoseira myrica* biomass. *Environmental Engineering Science*, 26(5): 1009-1015.
- 46) Mesdaghinia, A., Naddafi, K., Mahvi, A.H., [Saeedi, R.](#), 2009. Waste management in primary healthcare centres of Iran. *Waste Management and Research*, 27: 354-361.
- 47) Mahvi, A.H., Nouri, J., [Saeedi, R.](#), Dindarloo, K., Rafiee, M., Dobaradaran, S., 2008. Purification and removal of *Ascaris* and *Fasciola hepatica* eggs from drinking water using roughing filters. *Korean Journal of Chemical Engineering*, 25(3): 501-504.
- 48) Naddafi, K., Nabizadeh, R., [Saeedi, R.](#), Mahvi, A.H., Vaezi, F., Ghasri. A., 2007. Biosorption of lead(II) and cadmium(II) by *Sargassum glaucescens* biomass in a continuous packed bed column. *Journal of Hazardous Materials*, 147: 785-791.
- 49) Mahvi, A.H., [Saeedi, R.](#), 2007. Upgrading of a wastewater treatment plant using an aerated submerged fixed film reactor (ASFFR). *European Journal of Scientific Research*, 16(3): 426-433.
- 50) Mahvi, A.H., Mesdaghinia, A.R., [Saeedi, R.](#), 2007. Upgrading an existing wastewater treatment plant based on an upflow anaerobic packed-bed reactor. *Iranian Journal of Environmental Health Science and Engineering*, 4(4): 229-234.
- 51) Tabatabaei, Z., Mahvi, A.H., [Saeedi, R.](#), Rakhsh Khorshidi, A., Sohrabi, A., 2007. Two-stage sand filtration of secondary effluent for agricultural reuse, *International Journal of Agriculture & Biology*, 9(6): 889-892.
- 52) 13) Nabizadeh, R., Naddafi, K., [Saeedi, R.](#), Mahvi, A.H., Vaezi, F., Yaghmaeian, K., Nazmara, S., 2005. Kinetic and equilibrium studies of lead(II) and cadmium(II) biosorption from aqueous solutions by *Sargassum* sp. biomass. *Iranian Journal of Environmental Health Science and Engineering*, 2(3): 159-169.
- 53) Nabizadeh, R., Naddafi, K., [Saeedi, R.](#), 2005. Biosorption of lead(II) and cadmium(II) from aqueous solutions by protonated *Sargassum* sp. biomass. *Biotechnology*, 5(1): 21-26.

Editorial Board Activities

Iranian Journal of Health and Environment (in Persian), Member of Editorial Board and Scientific Editor

Journal of Air Pollution and Health, Member of Editorial Board

Journal of Advances in Environmental and Occupational Safety and Health, Member of Editorial Board

Memberships

Iranian Association of Environmental Health (IAEH)

National Elite Foundation