

Reza Saeedi

Assistant Professor

Department of Public Health, Faculty of Health, Safety and Environment, Shahid Beheshti University of Medical Sciences, Hakimieh-e-Tehranpars, Tehran, Iran

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Education

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

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

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

Experiences

Scientific Position

Assistant Professor

Department of Public Health, Faculty of Health, Safety and Environment, Shahid Beheshti University of Medical Sciences, 2012

Lecturer

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

Course Teaching

- Environmental Health Management
- Municipal Wastewater Treatment
- Industrial Wastewater Treatment
- Water Treatment
- Integrated Solid Waste Management
- Hazardous Waste Management
- Water Quality Management
- Design of Water Distribution Systems
- Design of Sewer Systems
- Unit Operation and Processes in Environmental Health
- Biological Processes of Water and Wastewater Treatment

Research Interests

- Environmental Monitoring and Assessment
- Innovative Methods for Water and Wastewater Treatment
- Applications of Biotechnology in Environmental Health

Papers

- 1) 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(13): 5789-5799.
- 2) 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.
- 3) Dehghani, M.H., Mahvi, A.H., Rastkari, N., **Saeedi, R.**, Nazmara, S., Irvani, 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.

- 4) 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.
- 5) Amini, H., Shamsipour, M., Sowlat, M.H., Parsaeian, M., Kasaeian, A., Hassanvand, M.S., Kashani, H., **Saeedi, R.**, et al. 2014. National and sub-national environmental burden of disease in Iran from 1990 to 2013–study profile. *Archives of Iranian Medicine*, 17(1): 62-70.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) **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.
- 11) **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.
- 12) 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.
 - 13) Mesdaghinia, A., Mahvi, A.H., **Saeedi, R.**, Pishrafti, H., 2010. Upflow Sludge Blanket Filtration (USBF): an innovative technology in activated sludge process. *Iranian Journal of Public Health*, 39(2): 7-12.
 - 14) 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.
 - 15) 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.
 - 16) 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.
 - 17) 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.
 - 18) 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.
 - 19) 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.
 - 20) 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.

- 21) 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.
- 22) 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.
- 23) 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 & Reviewing 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