IN THE NAME OF GOD

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Education

1- Bachelor on Environmental Engineering – Shahid Beheshti University of Medical Sciences – 2004.

2- MSc on Environmental Engineering – Tehran University of Medical Sciences – 2007**.**

3- PhD on Environmental Engineering – Tarbiat Modares University- 2012.

Thesis on PHD & MSc

1- (MSc): A study of Air Total Suspended Particle Toxicity in the Tehran University air with Daphnia**.**

2- (PhD): Removal of Furfural from Wastewater Using Combined Catalytic Ozonation Process (COP) and Cyclic Biological Reactor (CBR).

Articles

1. The study of TSP and PM_{10} concentration and their heavy metal content in central area of Tehran, Iran. Air Qual Atmos Health (2008) 1:159-166. DOI 10.1007/s11869-008-0021-z.
2. Degradation and Mineralization of Furfural in Aqueous Solutions Using Heterogeneous Catalytic Ozonation. Desalination and Water Treatment. 2013; 51(34-36):6789-97.
3. Removal of Furfural From Wastewater Using Integrated Catalytic Ozonation and Biological Approaches. Avicenna Journal of Environmental Health Engineering 2014; 1(1).
4. Furfural removal from synthetic wastewater by persulfate anion activated with electrical current: energy consumption and operating costs optimization. Der Pharma Chemica, 2015, 7(7):48-57.
5. A Comparison Study on the Removal of Phenol From Aqueous Solution Using Organomodified Bentonite and Commercial Activated Carbon. Avicenna Journal of Environmental Health Engineering. 2015; 2(1):e2698.
6. Effectiveness of Quercus Branti Activated Carbon in Removal of Methylene Blue of Methylene Blue from Aqueous Solutions. Archives of Hygiene Sciences. 2015; 4(4).
7. The assessment of chemical quality of drinking water in Hamadan Province, West of Iran. Journal of Research in Health Sciences. 2015; 15(4):234-8.
8. Investigation of furfural biodegradation in a continuous inflow cyclic biological reactor. Water Science and Technology. 2016; 73(2):292-301.
9. A comparative study for the removal of aniline from aqueous solutions using modified bentonite and activated carbon. Desalination and Water Treatment. 2016; 57(51):24430-24443.
10. Experimental data of biomaterial derived from Malva sylvestris and charcoal tablet powder for Hg^{2+} removal from aqueous solutions. Data in brief. 2016; 8:132-135.
11. Determination of Pesticides Residues in Cucumbers Grown in Greenhouse and the Effect of Some Procedures on Their Residues. Iranian Journal of Public Health. 2016; 45(11):1481-1490.
12. Efficiency of a Bed Biofilm Reactor Using a LECA Carrier to Treat Hospital Wastewater. Avicenna Journal of Environmental Health Engineering. 2016; 3(1):11-16.
13. Adsorption of methylene blue from aqueous solutions using water treatment sludge modified with sodium alginate as a low cost adsorbent. Water Science and Technology. 2017; 75(2):281-295.

14. Simultaneous biofiltration of BTEX and Hg° from a petrochemical waste stream. Journal of Environmental Management. 2017; 204, 531-539.

15. Degradation of imidacloprid pesticide in aqueous solution using an eco-friendly electrochemical process. Desalination and Water Treatment. 2017; 86, 150-157.

16. Modelling of moving bed biofilm reactor (MBBR) efficiency on hospital wastewater (HW) treatment: a comprehensive analysis on BOD and COD removal. International Journal of Environmental Science and Technology. 2017; 14(4), 841-852.

17. UVA-LED assisted persulfate/nZVI and hydrogen peroxide/nZVI for degrading 4-chlorophenol in aqueous solutions. Korean Journal of Chemical Engineering. 2018; 35 (3), 694-701.

18. Health impacts quantification of ambient air pollutants using AirQ model approach in Hamadan, Iran. Environmental Research. 2018; 161, 114-121.

19. Data of furfural adsorption on nano zero valent iron (NZVI) synthesized from Nettle extract. Data in brief. 2018; 16, 341-345.

20. Green synthesis of nano-zero-valent iron from Nettle and Thyme leaf extracts and their application for the removal of cephalexin antibiotic from aqueous solutions. Environmental Technology. 2018, 39 (9), 1158-1172.

21. New approach for the biodecolorization of Remazol Black-B (RB-B) by Streptomyces hygroscopicus strain PTCC1132. Desalination and Water Treatment; 2018; 130, 226–231.

22. Analysis of aluminum, minerals and trace elements in the milk samples from lactating mothers in Hamadan, Iran. Journal of Trace Elements in Medicine and Biology; 2018; 50, 8-15.

23. UVA-LED assisted persulfate/nZVI and hydrogen peroxide/nZVI for degrading 4-chlorophenol in aqueous solutions. Korean Journal of Chemical Engineering; 2018; 35 (3), 694-701.

24. Furfural degradation using an electrochemical advanced oxidation process (EAOP): Optimization of operating parameters using taguchi approach. Desalination and Water Treatment; 2018, 126, 287-295.

25. 25- Exposure to heavy metals released to the environment through breastfeeding: A probabilistic risk estimation. Science of The Total Environment; 2018; 650, 3075-3083.

26. Mercury, Lead, Cadmium, and Barium Levels in Human Breast Milk and Factors Affecting Their Concentrations in Hamadan, Iran. Biological Trace Element Research; 2019;187(1), 32–40.

27. A comparative study for the removal of imidacloprid insecticide from water by chemical-less UVC, UVC/TiO2 and UVC/ZnO processes. Journal of Environmental Health Science and Engineering; 2019; 17, 337–351.

28. The Assessment of Trihalomethanes Concentrations in Drinking Water of Hamadan and Tuyserkan Cities, Western Iran and Its Health Risk on the Exposed Population. Journal of Research in Health Sciences; 2019; 19(1): e00441.

29. Exposure to arsenic through breast milk from mothers exposed to high levels of arsenic in drinking water: Infant risk assessment. Food Control; 2019; 106, 106669.

30. Application of the eco-friendly bio-anode for ammonium removal and power generation from wastewater in bio-electrochemical systems. Journal of Cleaner Production; 2020; 243, 118589.

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Conference papers

1. Evaluation of quality and quantity of paper and plastic in the municipal solid waste. Accepted in 2nd Waste Technologies Symposium and Exhibition, Turkey, 2009.

2. The evaluation of atmospheric particulate matter composition and their impacts on health. Accepted in 2nd National Air Pollution Conference, 2006.

3. The evaluation of amount of dust and noise levels in the laboratories of an academic department. Accepted in 2nd National Air Pollution Conference, 2006.

4. Gas absorbents role in reducing urban air pollution caused by industry. Accepted in 2nd National Air Pollution Conference, 2006.

5. Environmental effects of radon in homes as a common indoor contaminant. Accepted in 2nd National Air Pollution Conference, 2006 .

6. The investigation of air pollutants resulting from the use of depleted uranium and its health effects. Accepted in 2nd National Air Pollution Conference, 2006 .

7. Environmental effects of secondhand smoke. Accepted in 2nd National Air Pollution Conference, 2006.

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Books in translation

1. Water treatment made simple for operators, 2007.
2. Wastewater treatment, chemical and biological processes, 2007.
3. Settleability Problems and Loss of Solids in the Activated Sludge Process, 2008.
4. Water treatment and pathogen control, 2008.
5. Drinking water and health, 2009.
6. The microbiology of anaerobic digesters, 2009.
7. Municipal wastewater management in developing countries, 2010.
8. Disinfection of Wastewater Effluent, 2010.
9. An introduction to air pollution, 2010.
10. Water and Wastewater Technology, 2015.
11. Water and Wastewater Engineering, 2015.