CURRICULUM VITAE

Name: Dr. Hiwa Hossaini

Position:

- Assistant Professor of Environmental Health, Department of Environmental Health Engineering, School of Health, Kermanshah University of Medical Sciences, Kermanshah, Iran
- Research Center for Environmental Determinants of Health, Kermanshah University of Medical Sciences, Kermanshah, Iran
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➢ Fields of research:

- Air Pollution control
- Advanced oxidation
- Sanitary Engineering

➢ Academic Experience:

- **Bachelor of Science (B.Sc.,)**, Environmental Health, Public Health School, Tehran University of medical sciences, Tehran, Iran
- **Master of Science (M.Sc.,)**, Environmental Health Engineering, Public Health School, Kerman University of Medical Sciences, Kerman, Iran
- **Ph.D.,** Environmental Health Engineering, Tarbiat Modares University, Tehran, Iran

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➢ Published Papers in International Journals:

1. Evaluation of a zeolite/anaerobic buffled reactor hybrid system for treatment of low bio-degradable effluents, Materials Science and Engineering: C, 2019.
2. An overview on ultraviolet persulfate based advances oxidation process for removal of antibiotics from aqueous solutions: a systematic review, Desalination and Water Treatment, 2019
3. Ultraviolet activated persulfate based AOP for MTBE decomposition in aqueous solution, Desalination and Water Treatment, 2019
4. Removal of phosphates from aqueous solution by sepiolite-nano zero valent iron composite optimization with response surface methodology, International journal of environmental science and technology, 2018.
5. Evaluation of anaerobic stabilization pond for removal of pentachlorophenol from wastewater: response surface methodology, Desalination and Water Treatment, 2018.
6. Preparation and characterization of modified sepiolite for the removal of Acid green 20 from aqueous solutions: isotherm, kinetic and process optimization, Applied Water Science, 2018.
7. A review of adverse effects and benefits of nitrate and nitrite in drinking water and food on human health, Health Scope, 2017.
8. Removal of metoprolol from water by sepiolite-supported nanoscale zero-valent iron, Journal of environmental chemical engineering, 2017.
9. Oxidation of diazinon in cns-ZnO/LED photocatalytic process: Catalyst preparation, photocatalytic examination, and toxicity bioassay of oxidation by-products, Separation and Purification Technology, 2017.
10. Preparation and characterization of TiO2 incorporated 13X molecular sieves for photocatalytic removal of acetaminophen from aqueous solutions, Process Safety and Environmental Protection, 2016.
11. A commentary on microbial cellulose, Int J Health Life Sci, 2016.
12. A Letter: Zika Virus (ZIKV) and Wastewater Treatment Plants, 2016.
13. Acetaminophen removal from aqueous solutions by TiO2-X photo catalyst, Tolooebehdasht, 2016.

14. Comparing the efficacy of UVC, UVC/ZnO and VUV processes for oxidation of organophosphate pesticides in water solutions, Journal of Photochemistry and Photobiology A: Chemistry, 2016
15. Degradation and mineralization of diazinon pesticide in UVC and UVC/TiO2 process, Desalination and Water Treatment, 2016.
16. Investigation of ammonium ion adsorption onto regenerated spent bleaching earth: parameters and equilibrium study, Environmental Engineering & Management Journal (EEMJ), 2016.
17. Lead levels in powders of surma (Kohl) used in Kerman, Journal of Kerman University of Medical Sciences, 2015.
18. Evaluation of the environment, health and safety (EH&S) state of laboratories at the Environmental Health Department, School of Public Health, Kermanshah University of Medical sciences, IJHLS, 2016.
19. The investigation of the LED-activated FeFNS-TiO2 nanocatalyst for photocatalytic degradation and mineralization of organophosphate pesticides in water, Water Research, 2014.
20. Comparing the efficacy of UVC, UVC/ZnO and VUV processes for oxidation of organophosphate pesticides in water, Journal of Photochemistry and Photobiology A: Chemistry, 2014.
21. Bacterial-aerosol emission from wastewater treatment plant, Desalination and water treatment, 2013.
22. Efficiency of perlite as a low cost adsorbent applied to removal of Pb and Cd from paint industry effluent, Desalination and water treatment, 2011.
23. Removal of heavy metals from paint industry's wastewater using Leca as an available adsorbent, International Journal of Environmental Science & Technology, 2009.
24. Pb and Co removal from paint industries effluent using wood ash, International Journal of Environmental Science & Technology, 2008.

➢ List of Research Projects:

Working as a PI or co-PI for more than **39** Environmental research projects, majority in the fields of Air pollution control, water and wastewater treatment & sanitary.

Available from (in Persian):

http://research.kums.ac.ir/webdocument/load.action?webdocument_code=8000&masterCode=3004261