Current Academic position: Assistant Professor of Environmental Health Engineering

Personal details

First name: Mansour

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Current Academic position: Assistant Professor of Environmental Health Engineering

CV last edited on: 07/11/2018

Educational Background

1. **PhD** Environmental Health Engineering, Shahid Beheshti University of Medical Science , Tehran, Iran, 2016
   Dissertation: Study on some of Organic-Metal Framework efficiency for arsenic and fluoride removal from aqueous solutions
2. **MSc** Environmental Health Engineering, Tehran University of Medical Science , Tehran, Iran, 2010
   Dissertation: Investigation of potential of UV/H2O2 for removing anionic surfactants from aqueous solution
3. **BSc** Environmental Health Engineering, Kurdistan University of Medical Science , Tehran, Iran, 2006

Language Skills

1. **English** Speaking: Medium, Reading: Good, Writing: Medium
2. **Persien** Native
3. **Kurdish** Native
4. **Turkish** A little

Scientific Position

1. **Assistant Professor** Department of Environmental Health Engineering, Lorestan University of Medical Sciences, 2016

Short Courses / Workshops

Peer-Reviewed Papers

1. **English**

- Loaded paraquaton polymeric nanocapsules and evaluation for cardiotoxicity in Wistar rats. International Journal of Environmental Health Research, 2024.
- Removal of Rhodamine B from aqueous solution by stalk corn activated carbon: adsorption and kinetic study. Biomass Conversion and Biorefinery. 2023.
- Adsorption of Eriochrome black-T from aqueous environment by raw Montmorillonite.International Journal of Environmental Analytical Chemistry. 2023.
- Toxicity of green synthesized TiO2 nanoparticles (TiO2 NPs) on zebra fish. Environmental Research. 2022.
- Arsenic adsorption over dodecahedra ZIF-8 from solution aqueous: modelling, isotherms, kinetics and thermodynamics. International Journal of Environmental Analytical Chemistry. 2022.
- Groundwater quality evaluation for drinking and industrial purposes. A case study in Northeastern Iran. International Journal of Environmental Analytical Chemistry. 2022.
- Optimization of Cr (VI) adsorption by modified sesame hull from aqueous solutions using response surface methodology. International Journal of Environmental Analytical Chemistry. 2022.
- Thin-Film Composite Forward-Osmosis Membranes Reinforced on Woven Mesh and Nonwoven Backing Fabric Supports. Chemical Engineering and Technology. 2021.
- Performance evaluation of aquaporin forward osmosis membrane using chemical fertilizers as a draw solution. Environmental Progress and Sustainable Energy. 2021.
- Synthesis of modified ZnO nanorods and investigation of its application for removal of phthalate from landfill leachate: A case study in Aradkouh landfill site. Journal of Environmental Health Science and Engineering. 2021.
- Dose-response meta-analysis of arsenic exposure in drinking water and hypertension. Heliyon. 2021.

- High adsorption of methylene blue from aqueous solutions using leaf-shaped ZIF-8. International Journal of Environmental Analytical Chemistry. 2021.
- The concentration, characteristics, and probabilistic health risk assessment of potentially toxic elements (PTEs) in street dust: a case study of Kashan, Iran. Toxin Reviews. 2021.
- Application of modified maize hull for removal of Cu (II) ions from aqueous solutions. Environment Protection Engineering. 2021
- Preparation and characterization of loaded paraquat- polymeric chitosan/xantan/tripolyphosphate nanocapsules and evaluation for controlled release. Journal of Environmental Health Science and Engineering. 2020.
- Arsenic selective adsorption using a nanomagnetic ion imprinted polymer: Optimization, equilibrium, and regeneration studies. Journal of Molecular Liquids. 2020.
- Investigation of photo-catalytic removal of arsenic from aqueous solutions using UV/H2O2 in the presence of ZnO nanoparticles. Chemical Engineering Communications. 2020.
- Qualitative and quantitative analysis of municipal solid waste in Iran for implementation of best waste management practice: a systematic review and meta-analysis. Environmental Science and Pollution Research. 2020.
- Characteristics and sources of water-soluble ionic associated with PM2.5 particles and cytotoxicity effects using MTT assay in Tehran, Iran. Urban Climate. 2020.
- Catalytic ozonation process using MGO-PAC to degrade bisphenol a from aqueous solutions. Desalination and Water Treatment. 2020.
- Removal of stabilized functionalized CNTs from aqueous solutions using chemical coagulants and Moringa oleifera seed extract. International Journal of Environmental Science and Technology. 2020
- Spatial distribution of fluoride and nitrate in groundwater and its associated human health risk assessment in residents living in Western Khorasan Razavi, Iran. Desalination and Water Treatment. 2019.
- Non-carcinogenic health risk assessment of nitrate in bottled drinking waters sold in Iranian markets: A Monte Carlo simulation. Accreditation and Quality Assurance. 2019.
- Estimate the effective dose of gamma radiation in Iran cities: lifetime cancer risk by Monte Carlo simulation model. Environmental Geochemistry and Health. 2019.
- Non-carcinogenic health risk assessment due to fluoride exposure from tea consumption in Iran using Monte Carlo simulation. International Journal of Environmental Research and Public Health. 2019.
- Distribution of fluoride contamination in drinking water resources and health risk assessment using geographic information system, northwest Iran. Regulatory Toxicology and Pharmacology. 2019.

- Feasibility removal of BOD5, COD, and ammonium by using Gambusia fish and Phragmites australis in H-SSF wetland. International Journal of Environmental Science and Technology. 2019.
- Health-risk assessment related to the fluoride, nitrate, and nitrite in the drinking water in the Sanandaj, Kurdistan County, Iran. Human and Ecological Risk Assessment. 2019.
- Catalytic ozonation process using PAC/gamma-Fe_2 O_3 to Alizarin Red S degradation from aqueous solutions: a batch study. Chemical Engineering Communications. 2019.
- Use of metal-organic framework to remove chromium (VI) from aqueous solutions 03 Chemical Sciences 0306 Physical Chemistry (incl. Structural). Journal of Environmental Health Science and Engineering. 2019.
- Removal of pollutants (COD, TSS, and NO^{3-}) from textile effluent using Gambusia fish and Phragmites australis in constructed wetlands. Environmental Geochemistry and Health. 2019.
- Health risk assessment of fluoride in water distribution network of Mashhad, Iran. Human and Ecological Risk Assessment. 2019.
- Soil pollution evaluation and health risk assessment of heavy metals around Douroud cement factory, Iran. Environmental Earth Sciences. 2019.
- Levels, Distributions and Health Risk Assessment of Lead, Cadmium and Arsenic Found in Drinking Groundwater of Dehgolan's Villages, Iran. Toxicology and Environmental Health Sciences. 2019.
- Magnetic chitosan nanocomposite: Fabrication, properties, and optimization for adsorptive removal of crystal violet from aqueous solutions. Carbohydrate Polymers. 2019.
- Photo-catalytic degradation of triclosan with UV/iodide/ZnO process: Performance, kinetic, degradation pathway, energy consumption and toxicology. Journal of Photochemistry and Photobiology A: Chemistry. 2019.
- Carcinogenic and non-carcinogenic health risk assessment of heavy metals in drinking water of Khorramabad, Iran. MethodsX. 2019.
- Catalytic ozonation process using a MgO nano-catalyst to degrade methotrexate from aqueous solutions and cytotoxicity studies in human lung epithelial cells (A549) after treatment. RSC Advances. 2019.
- Improvement of montmorillonite adsorption capacity for lead ions by modifying with hexadecyl trimethyl ammonium chloride: Characterization, modelling and optimization studies. MethodsX. 2019.
- Data on the bisphenol An adsorption from aqueous solutions on PAC and MgO~PAC crystals. Data in Brief. 2018
- Highly efficient adsorption of fluoride from aqueous solutions by metal organic frameworks: Modeling, isotherms, and kinetics. Fluoride. 2018.

- Data on the fluoride adsorption from aqueous solutions by metal-organic frameworks (ZIF-8 and Uio-66).
- Data on the alizarin red S adsorption from aqueous solutions on PAC, treated PAC, and PAC/γ≈Fe_2O_3.
- Feasibility removal of BOD_5, COD, and ammonium by using Gambusia fish and Phragmites australis in H-SSF wetland. International Journal of Environmental Science and Technology, 2018.
- Comparison of Bottled Waters Current Brands in Term of Important Chemical parameters (Nitrate, Fluoride, Chloride, Sulfate) Effecting on Health, International Journal of Pharmaceutical Research, 2018
- Data on biosurfactant assisted removal of TNT from contaminated soil, Data in Brief, 2018,
- Zoning of air quality index (PM_{10} and $PM_{2.5}$) by Arc-GIS for Khorramabad city, Iran, Data in Brief, 2018
- Health risk assessment of fluoride in water distribution network of Mashhad, Iran, Human and Ecological Risk Assessment: An International Journal, 2018
- Radon 222 in drinking water resources of Iran: A systematic review, meta-analysis and probabilistic risk assessment (Monte Carlo simulation), Food and Chemical Toxicology, 2018
- Health-risk assessment related to the fluoride, nitrate, and nitrite in the drinking water in the Sanandaj, Kurdistan County, Iran, Human and Ecological Risk Assessment: An International Journal, 2018
- Data on fluoride concentration and health risk assessment of drinking water in Khorasan Razavi province, Iran, Data in Brief, 2018
- Carcinogenic and non-carcinogenic health risks of metal(oid)s in tap water from Ilam city, Iran, Food and Chemical Toxicology, 2018
- Metal concentrations in fillet and gill of parrotfish (Scarus ghobban) from the Persian Gulf and implications for human health, Food and Chemical Toxicology, 2018
- Concentration and ecological risk of heavy metal in street dusts of Eslamshahr, Iran, Human and Ecological Risk Assessment: An International Journal, 2018
- Data on the acid black 1 dye adsorbtion from aqueous solutions by low-cost adsorbent-Cerastoderma lamarcki shell collected from the northern coast of Caspian Sea, Data in Brief, 2018
- Data on nitrate and nitrate of Taham dam in Zanjan, Iran, Data in Brief, 2018
- Data on phosphorous concentration of rivers feeding into Taham dam in Zanjan, Iran, Data in Brief, 2018

- Health risk assessment of heavy metals on $PM_{2.5}$ in Tehran air, Iran, Data in Brief, 2018
- The concentration data of heavy metals in Iranian grown and imported rice and human health hazard assessment, Data in Brief, 2018
- Heavy metals analysis and quality assessment in drinking water – Khorramabad city, Iran, Data in Brief, 2018
- Data on water quality index for the groundwater in rural area Neyshabur County, Razavi province, Iran, Data in Brief, 2018
- Ethylenediamine-functionalized cubic ZIF-8 for arsenic adsorption from aqueous solution: modeling, isotherms, kinetics and thermodynamics, Journal of Molecular Liquids, 2018.
- Performance of granular activated carbon/nanoscale zero valent iron for removal of humic substances from aqueous solution based on Experimental Design and Response Surface Modeling, Global NEST Journal, 2018.

- Application of modified maize hull for removal of cu(ii) ions from aqueous solutions, Environment Protection Engineering. 2017
- Improved removal of Trinitrotoluene (TNT) from contaminated soil by inducing aerobic process: kinetic and chemical byproducts, Journal of Advances in Environmental Health Research, 2017.
- Estimation of health effects (morbidity and mortality) attributed to PM_{10} and $PM_{2.5}$ exposure using Air Quality model in the Bukan city from 2015-2016, Environmental Health Engineering And Management Journal, 2017
- Quantification of health effects related to SO_2 and NO_2 pollutants using Air quality model, Journal of Advances in Environmental Health Research, 2017.
- Prediction and modeling of fluoride concentrations in groundwater resources using an artificial neural network: a case study in Khaf, Environmental Health Engineering And Management Journal, 2017
- Use of ultraviolet and ultraviolet /peroxide hydrogen processes for degradation of humic substances from aqueous solutions, Bioscience Biotechnology Research Communications, 2017.
- Evaluate the performance of modified zeolite with MgO for removal of arsenic from water resources, Journal of Safety Promotion and Injury Prevention, 2017.
- Metal organic framework Uio-66 for Adsorption of methylene blue from aqueous solution, International Journal of Environmental Science and Technology, 2017
- Investigating Efficiency of ZnO Nanoparticle in Dye Removal of Cat Blue 41 in Aqueous Environment Using US and US/H_2O_2 Processes, Environmental Health Engineering And Management Journal, 2017.
- Designing an intersectional interventions model for brucellosis occurrence reduction in north-west of Iran, Journal of Occupational Health and Epidemiology, 2016.
- Water Solution Polishing of Nitrate Using Potassium permanganate Modified Zeolite: Parametric experiments, kinetics and equilibrium analysis, Global NEST journal, 2016.

- Adsorption of fluoride over a metal organic framework Uio-66 functionalized with amine groups and optimization with response surface methodology, Journal of Molecular Liquids, 2016.
- Investigating The Efficiency of Ultraviolet Irradiation And Hydrogen Peroxide Process For Removal of Linear Alkylbenzanesulfonate From Aqueous Solution. Desalination water and treatment, 2016
- The removal of COD and Color from textile industry by chlorine hypochlorite. International Journal Of Advanced Science Technology, 2015.
- Analysis Of Toxic And Trace Metal Contaminants In Bottled Water By Using Atomic Absorption Spectrometry, Food and Environment Safety, 2011.
- Bacteriological quality of bottled water sold in Tehran markets,Iran. World Applied Science, 2009.
- Survey of microbial quality of drinking water in rural areas of saqqez,iran, American-Eurasian J.Agri & Environ, 2009
- Determination Of Fluoride In Bottled Water Sold In Tehran Market,Iran, American-Eurasian J.Agri & Environ, 2009

Persian

- A Survey of Air Quality Index and Quantification of Cardiovascular Mortality due to Exposure to Particulate Matter Smaller than 2.5 Micron in Boukan in 2015. Journal of Environmental Health Engineering, 2017
- Photo Catalytic Efficiency of Hydrothermal Synthesized Zinc Oxide Nanoparticles for Removal of Acid Black 1 from Aqueous Solutions. Journal of Sabzevar University of Medical Sciences, 2016
- Study of Efficiency of Photochemical Oxidation Process with UV/Peroxidisulfate for Removal of Alizarin Red S from Aqueous Solutions. Journal of Health Research in Community, 2016
- Evaluate the Performance of Modified Zeolite with MgO for Removal of Arsenic from Water Resources. Journal of Safety Promotion and Injury Prevention, 2016.
- Relative Risk of Respiratory Infection among Rural Households Using Solid Fuel in West Azerbaijan Province and Evaluation of Its Influencing Factors. Iranian Journal Of Health And Environment, 2013
- Investigating the Efficiency of UV/H_2O_2 Process for Removal of Linear Alkylbenzene Sulfonate (LAS) in Aqueous Solutions. Iranian Journal Of Health And Environment, 2010.
- Survey of Bacteriological Quality of the Drinking Water in Rural Areas of Saqqez City. Iranian Journal Of Health And Environment, 2009.

2. International Conference Presentations

Books

1.

2.

3.

4.

Dissertation Supervisor

- The effect of combining carvacrol and biosynthesized nanaoparticles of copper oxide with aqueous extract of Satureja Hortensis on Candida albicans and candida tropicalis (To receive **MSc** in Environmental Health).
- Investigation of the amount of baking soda and salt in breads consumed in Khorramabad in 2019 (To receive **MSc** in Environmental Health).
- Investigation of electromagnetic waves emitted by BTS antennas in Boroujerd in 1398 (To receive **MSc** in Environmental Health).
- Investigation of catalytic ozonation efficacy by supported granular activated carbon with MgO for degradation of bisphenol a in aqueous solution (To receive **MSc** in Environmental Health).
- The efficiency some of the organic-metal framework to removal of cromuim and fluorid from aqueous Solutions (To receive **MSc** in Environmental Health).
- Study of investigation of ozonation using coated activated carbon with Fe_2O_3 nanoparticlse for the removel of alizarene red S (ARS) color from aqueouse solutions (To receive **MSc** in Environmental Health).
- Health-risk assessment of heavy metals in street dust and air of Mehran city in 2018

Dissertation Advisor

Skills

Microsoft office, SPSS, Minitab, Comprehensive Metal Analysis (CMA), Air Quality 2.2.3 and Air Q+, Design of Experiment (DOE), Sewer GEMS, Water GEMS, Arc GIS, EndNote, Visual Basic

Membership in Scientific Societies

Iranian Association of Environmental Health
(IAEH)

Research Interests

Water and wastewater treatment
Air pollution
Health Risk assessment