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**Contact Information**

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Address: Ilam University of Medical Sciences,  
School of Public Health

**Academic Rank**

Assistant Professor

**School**

Public Health

**Education**

**۱. B.Sc**

Environmental Health, Mazandaran University of Medical Sciences, Mazandaran, Iran, ۲۰۰۶

**۲. MSc**

Environmental Engineering, research and science University of Ahvaze, Khozestan, Iran, ۲۰۰۸

**۳. Ph.D**

Environmental Health Engineering, Yazd University of Medical Science, Yazd, Iran, ۲۰۱۰

**Experiences**

۱. **Assistant Professor** Department of Environmental Health Engineering, Ilam University of Medical Sciences, ۲۰۱۸
۲. **Chief of Health care system Department**, Ilam University of Medical Sciences, since ۲۱۱۸ so far

**Course Teaching**

Water treatment- Water Health- Radiation Health - Environmental Health –Industrial wastewater treatment,

## Papers

### 1. English

- 1- Upgrading secondary wastewater plant effluent by modified coagulation and flocculation, for water reuse in irrigation. *Journal of Water Reuse and desalination*, ۰۷,۳,۲۰۱۷-
- ۲ - Cutaneous Leishmaniasis Prevalence and Morbidity based on Environmental Factors in Ilam, Iran: Spatial Analysis and Land Use Regression Models. *ACTA TROPICA*. ۱۶۳ (۲۰۱۶) ۹۰-۹۷
- ۳ - Performance Evaluation of Combined Process of Powdered Activated Carbon - Activated Sludge (PACT) in Textile Dye Removal- *Journal of Environmental Health and Sustainable Development*. ۲۰ August ۲۰۱۶
- ۴ -A time series analysis of environmental and metrological factors impact on cutaneous leishmaniasis incidence in an endemic area of Dehloran, Iran-*Environmental Science and Pollution Research*. June ۲۰۱۷, Volume ۲۴, Issue ۱۶, pp ۱۴۱۱۷-۱۴۱۲۳
- ۵-A comparative study on capability of different tree species in accumulating heavy metals from soil and ambient air. *Chemosphere*. Volume ۱۷۲, April ۲۰۱۷, Pages ۴۵۹-۴۶۷
- ۶- Human health impact assessment of exposure to particulate matter: an Air Q software modeling- *environmental science and pollution research*. [۲۹ May ۲۰۱۷, ۲۴(۱۹):۱۶۵۱۳-۱۶۵۱۹]
- ۷- Application of novel Modified Biological Aerated Filter (MBAF) as a promising post-treatment for water reuse: Modification in configuration and backwashing process - *Journal of Environmental Management* - ۲۰۳ (۲۰۱۷) ۱۹۱e۱۹۹ -
- ۸- Assessment of hospitalization and mortality from exposure to PM<sub>۱۰</sub> using AirQ modeling in Ilam, Iran- *environmental science and pollution research* - DOI ۱۰,۱۰۰۷/s۱۱۳۵۶-۰۱۷-۹۷۹۴-۷
- ۹- Synthesis of Polystyrene Coated by Sand (PCS) as a novel media in modified biological aerated filters (BAF) for advanced municipal wastewater treatment: a comparative assessment. *Desalination and Water Treatment*.accepted ۱۷ Nov ۲۰۱۷.
- ۱۰- Removal of Methylene blue from Aqueous solutions using raw and modified rice husk - ۵۳, ۱-۷(December, ۲۰۱۴) *VELIGER journal*
- ۱۱- Investigation methods of Biodegradation xenobiotic pollutants in the aquatic and soil environments: A review - *Journal of Environmental Health and Sustainable Development*
- ۱۲- Determine the correlation between turbidity and TSS with other chemical parameters in Yazd wastewater treatment effluent plant - *Journal of Environmental Health and Sustainable Development*
- ۱۳- Trends of BTEX in the central urban area of Iran: A preliminary study of photochemical ozone pollution and health risk assessment- *Atmospheric Pollution Research*.
- ۱۴- Improved power density and Cr/Pb removal using ozone in a microbial desalination cell.

۱۵- An overview report on the application of heteropoly acids on supporting materials in the photocatalytic degradation of organic pollutants from aqueous Solutions.

۱۶- Optimizing the removal of humic acid with polyaluminum chloride and polyaluminum ferric chloride as green coagulants using response surface methodology. Desalination and Water Treatment.

## ۲. Farsi

۱- Comparison of water quality index to select the best indexes in Karkheh Reservoir Dam, Iranian Journal of Water Research, Volume ۴, Spring ۲۰۰۹

۲- Potential of Karkheh Reservoir Dam in Changing Water Quality of Karkheh River. Journal of Water and Environment, Volume ۶۶, ۲۰۰۸

۳- Effects of Intensity and Mixing Speed on the Efficiency of Coagulation and Flocculation Processes and Improving Effluent Quality from Yazd SBR Wastewater Treatment Plant, Water and Wastewater Journal

۴- Spatial Analysis of Malaria Disease Reports Using Geographic Information System (GIS) in Bam, ۲۰۰۴-۲۰۱۴, Journal of Zanjan University of medical science Volume ۱۵, Issue ۳, ۲۰۱۶

۵- The Trend of Air Quality Index (AQI) Variations in Mashhad Metropolis Using GIS, Journal of Health Research in Community, Volume ۲, Issue ۱, Spring ۲۰۱۶

۶- Assessment of Spatial Analysis Methods in Mapping of Air Pollution in Mashhad, Environmental Health Engineering Journal, Volume ۲ winter ۲۰۱۶

## Skills

۱- Wastewater treatment plants Design

۲- Advanced wastewater treatment

۳- GIS works

## Inventions

۱. Invention of Polystyrene Coated-Sand Media

۲. Invention of integrated Modified Biological Aerated Filter (IMBAF) for advanced wastewater treatment

## Honors

✓ Elected as Top Researcher of yazd Public Health School, yazd University of Medical Sciences, ۲۰۱۶

✓ Elected as Illustrious talent student from Ministry of Health in ۲۰۱۸

- ✓ Elected as Second place in the Executive Activities section of the 9<sup>th</sup> Iranian Environmental Health Congress

## **Memberships**

- ✓ Member of Department of Environmental Health Engineering, Ilam University of medical science.
- ✓ Member of the Workgroup of Land use planning, Ilam University of medical science.

## **Research Interests:**

Environmental Health Monitoring- Water reuse- Air Pollution - Water treatment, wastewater treatment