

Name Last name: Ali Nikoonahad



Contact Information

nikoonahad_ali_n@yahoo.com

Tel: 0918842 5954

Fax: 08432227103

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

Academic Rank

Assistant Professor

School

Public Health

Education

1. B.Sc

Environmental Health, Mazandaran University of Medical Sciences, Mazandaran, Iran, 2006

2. MSc

Environmental Engineering, research and science University of Ahvaze, Khozestan, Iran, 2008

3. Ph.D

Environmental Health Engineering, Yazd University of Medical Science, Yazd, Iran, 2015

Experiences

1. **Assistant Professor** Department of Environmental Health Engineering, Ilam University of Medical Sciences, 2018
2. **Chief of Health care system Department**, Ilam University of Medical Sciences, since 2118 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*, 07.3.2017-
- 2 - Cutaneous Leishmaniasis Prevalence and Morbidity based on Environmental Factors in Ilam, Iran: Spatial Analysis and Land Use Regression Models. *ACTA TROPICA*. 163 (2016) 90–97
- 3 - Performance Evaluation of Combined Process of Powdered Activated Carbon - Activated Sludge (PACT) in Textile Dye Removal- *Journal of Environmental Health and Sustainable Development*. 20 August 2016
- 4 -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 2017, Volume 24, Issue 16, pp 14117–14123
- 5-A comparative study on capability of different tree species in accumulating heavy metals from soil and ambient air. *Chemosphere*. Volume 172, April 2017, Pages 459-467
- 6- Human health impact assessment of exposure to particulate matter: an Air Q software modeling- *environmental science and pollution research*. [29 May 2017, 24(19):16513-16519]
- 7- 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* - 203 (2017) 191e199 -
- 8- Assessment of hospitalization and mortality from exposure to PM10 using AirQ modeling in Ilam, Iran- *environmental science and pollution research* - DOI 10.1007/s11356-017-9794-7
- 9- 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 17 Nov 2017.
- 10- Removal of Methylene blue from Aqueous solutions using raw and modified rice husk - 53, 1-7(December, 2014) *VELIGER journal*
- 11- Investigation methods of Biodegradation xenobiotic pollutants in the aquatic and soil environments: A review - *Journal of Environmental Health and Sustainable Development*
- 12- Determine the correlation between turbidity and TSS with other chemical parameters in Yazd wastewater treatment effluent plant - *Journal of Environmental Health and Sustainable Development*
- 13- Trends of BTEX in the central urban area of Iran: A preliminary study of photochemical ozone pollution and health risk assessment- *Atmospheric Pollution Research*.
- 14- Improved power density and Cr/Pb removal using ozone in a microbial desalination cell.
- 15- An overview report on the application of heteropoly acids on supporting materials in the photocatalytic degradation of organic pollutants from aqueous

Solutions.

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

2. Farsi

- 1- Comparison of water quality index to select the best indexes in Karkheh Reservoir Dam, Iranian Journal of Water Research, Volume 4, Spring 2009
- 2- Potential of Karkheh Reservoir Dam in Changing Water Quality of Karkheh River. Journal of Water and Environment, Volume 66, 2008
- 3- 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
- 4- Spatial Analysis of Malaria Disease Reports Using Geographic Information System (GIS) in Bam, 2004-2014, Journal of Zanzan University of medical science Volume 15, Issue 3, 2016
- 5- The Trend of Air Quality Index (AQI) Variations in Mashhad Metropolis Using GIS, Journal of Health Research in Community, Volume 2, Issue 1, Spring 2016
- 6- Assessment of Spatial Analysis Methods in Mapping of Air Pollution in Mashhad, Environmental Health Engineering Journal, Volume 2 winter 2016

Skills

- 1-Wastewater treatment plants Design
- 2-Advanced wastewater treatment
- 3-GIS works

Inventions

1. Invention of Polystyrene Coated-Sand Media
2. 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, 2016
- ✓ Elected as Illustrious talent student from Ministry of Health in 2018
- ✓ Elected as Second place in the Executive Activities section of the 9th 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