



Curriculum Vitae

Mohammad Miri, Ph.D,

Assistant Professor

Personal Information

Name: **Mohammad Miri, Ph.D,**

Data of birth: 28, November, 1987

Place of birth: Iran

Work address: Department of Environmental Health;
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Education

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| Ph.D: | Environmental Health, Shahid Sadoughi University of Medical Sciences | Jan. 2014 – July. 2018 |
| Master: | Environmental Health, Shahid Sadoughi University of Medical Sciences | Sep. 2011 – Dec. 2013 |
| Undergraduate: | Environmental Health, Tehran University of Medical Sciences | Sep. 2006 – Feb. 2011 |

Theses

Ph.D. Thesis title: Investigation of relationship between PM_{2.5} concentration and telomere length in primary school children in city of Sabzevar.

Date of the thesis defense: Dec 2013

Thesis Supervisor: Professor Mohammad Hassan Ehrampoush

MSc Thesis title: Synthesis of Iron oxide nanoparticles with extract tangerine Peel and its efficiency on Cu and Cd removal from pollutant water

Date of the thesis defense: July 2018

Thesis Supervisor: Professor Mohammad Hassan Ehrampoush

Honors and awards

Premier researcher at deputy of research and technology, Sabzevar University of Medical Sciences

Awards "Research project superseding military service" from the National Elite Foundation of Iran

PROFESSIONAL EXPERIENCE

- Assistant professor, Department of Environmental Health, School of public health, Sabzevar University of medical sciences
Responsibilities: Teaching relevant courses and supervising students thesis 2018 - Now
- Editor in chief of Journal of Biomedicine and Health 2017 - Now
- Head of Non-Communicable Diseases Research Center 2019- Now

Teaching Experience (Short list)

- Air sampling methods (B.Sc. of Environmental Health)
- Analysis and evaluation of air samples (B.Sc. of Environmental Health)
- Environmental epidemiology (M.Sc. of Environmental Health)
- Environmental microbiology (B.Sc. of Environmental Health)
- Environmental ecology (B.Sc. of Occupational Health)

Research interests

- Environmental epidemiology (main focus on air pollution, green space and noise pollution exposure)
- Air pollution modeling and exposure assessment
- Personal exposure assessment using pollutant biomarkers

Technical Skills

- Statistical Packages: experienced user of SPSS and STATA packages (STATA is preferable); also experienced in systematic review and meta-analysis (using STATA).
- Air pollution exposure assessment at outdoor environments and workplaces(sampling and analysis of particulate matters, gases and vapors).
- Analytical instruments: working with Atomic Adsorption: Excellent, sampling and sample preparation with solid phase extraction and work with High-Performance Liquid Chromatography (HPLC)

- GIS and remote sensing: Environmental exposure to air pollutants, heat and greenspaces using satellite remote sensing (intermediate user of Geographic Information System)
- Other Methods: Alveolar Macrophage Carbon Loading, Urinary biomarkers of PAHs, Risk assessment based of Monte Carlo simulations technique.

Reviewer

- Environment International
- Environmental Management
- Environmental Pollution
- Environmental Research
- Ecotoxicology and Environmental Safety
- Science of Total Environment
- Chemosphere
- Food and Chemical toxicology
- Ecological Indicator
- Atmospheric Environment
- PLOS one
- BMC Public Health
- Environmental Science and pollution Research
- International Journal of Environmental Science and Technology
- Desalination and Water Treatment

<https://publons.com/researcher/1737488/mohammad-miri/>

Publications (1-46)

1. Abdolahnejad A, Jafari N, Mohammadi A, Miri M, Hajizadeh Y. Mortality and morbidity due to exposure to ambient NO₂, SO₂, and O₃ in Isfahan in 2013-2014. International Journal of Preventive Medicine. 2018;9.
2. Ahmadi E, Yousefzadeh S, Ansari M, Ghaffari HR, Azari A, Miri M, et al. Performance, kinetic, and biodegradation pathway evaluation of anaerobic fixed film reactor in removing phthalic acid esters from wastewater. Scientific Reports. 2017;7.

3. Alahabadi A, Ehrampoush MH, Miri M, Ebrahimi Aval H, Yousefzadeh S, Ghaffari HR, et al. A comparative study on capability of different tree species in accumulating heavy metals from soil and ambient air. *Chemosphere*. 2017;172:459-67.
4. Alahabadi A, Hosseini-Bandegharaei A, Moussavi G, Amin B, Rastegar A, Karimi-Sani H, et al. Comparing adsorption properties of NH₄Cl-modified activated carbon towards chlortetracycline antibiotic with those of commercial activated carbon. *Journal of Molecular Liquids*. 2017;232:367-81.
5. Bohlooli M, Miri M, Khajeh M, Ghamari F, Khatibi A, Ghaffari-Moghaddam M, et al. The inhibitory influence of 3- β -hydroxybutyrate on calf thymus DNA glycation by glucose. *RSC Advances*. 2016;6(87):83880-4.
6. Dehdashti B, Amin MM, Gholizadeh A, Miri M, Rafati L. Atenolol adsorption onto multi-walled carbon nanotubes modified by NaOCl and ultrasonic treatment; Kinetic, isotherm, thermodynamic, and artificial neural network modeling. *Journal of Environmental Health Science and Engineering*. 2019;17(1):281-93.
7. Dehghani M, Fazlzadeh M, Sorooshian A, Tabatabaee HR, Miri M, Baghani AN, et al. Characteristics and health effects of BTEX in a hot spot for urban pollution. *Ecotoxicology and environmental safety*. 2018;155:133-43.
8. Dehghani M, Sorooshian A, Ghorbani M, Fazlzadeh M, Miri M, Badiee P, et al. Seasonal variation in culturable bioaerosols in a wastewater treatment plant. *Aerosol and Air Quality Research*. 2018;18(11):2826-39.
9. Derakhshan Z, Faramarzian M, Mahvi AH, Hosseini MS, Miri M. Assessment of heavy metals residue in edible vegetables distributed in Shiraz, Iran. *Journal of Food Quality and Hazards Control*. 2016;3(1):25-9.
10. Djahed B, Taghavi M, Farzadkia M, Norzaee S, Miri M. Stochastic exposure and health risk assessment of rice contamination to the heavy metals in the market of Iranshahr, Iran. *Food and Chemical Toxicology*. 2018;115:405-12.
11. Ehrampoush MH, Miri M, Momtaz SM, Ghaneian MT, Rafati L, Karimi H, et al. Selecting the optimal process for the removal of reactive red 198 dye from textile wastewater using analytical hierarchy process (AHP). *Desalination and Water Treatment*. 2016;57(56):27237-42.
12. Ehrampoush MH, Miria M, Salmani MH, Mahvi AH. Cadmium removal from aqueous solution by green synthesis iron oxide nanoparticles with tangerine peel extract. *Journal of Environmental Health Science and Engineering*. 2015;13(1).
13. Fallahzadeh RA, Ghaneian MT, Miri M, Dashti MM. Spatial analysis and health risk assessment of heavy metals concentration in drinking water resources. *Environmental Science and Pollution Research*. 2017;24(32):24790-802.
14. Fallahzadeh RA, Khosravi R, Dehdashti B, Ghahramani E, Omidi F, Adli A, et al. Spatial distribution variation and probabilistic risk assessment of exposure to chromium in ground water supplies; a case study in the east of Iran. *Food and Chemical Toxicology*. 2018;115:260-6.

15. Fallahzadeh RA, Miri M, Taghavi M, Gholizadeh A, Anbarani R, Hosseini-Bandegharai A, et al. Spatial variation and probabilistic risk assessment of exposure to fluoride in drinking water. *Food and Chemical Toxicology*. 2018;113:314-21.
16. Ghaffari HR, Aval HE, Alahabadi A, Mokammel A, Khamirchi R, Yousefzadeh S, et al. Asthma disease as cause of admission to hospitals due to exposure to ambient oxidants in Mashhad, Iran. *Environmental Science and Pollution Research*. 2017;24(35):27402-8.
17. Ghaneian MT, Ehrampoush MH, Ehsanzadeh E, Nikoonahad A, Miri M. Upgrading secondary wastewater plant effluent by modified coagulation and flocculation, for water reuse in irrigation. *Journal of Water Reuse and Desalination*. 2017;7(3):298-306.
18. Gholizadeh A, Mokhtari M, Naimi N, Shiravand B, Ehrampoush MH, Miri M, et al. Assessment of corrosion and scaling potential in groundwater resources; a case study of Yazd-Ardakan Plain, Iran. *Groundwater for Sustainable Development*. 2017;5:59-65.
19. Gholizadeh A, Neshat AA, Pakravan F, Miri M, Taghavi M, Nikoonahad A. Investigation of modified microbial desalination cell performance in sweetening of saltwater. *Journal of Babol University of Medical Sciences*. 2018;20(11):49-57.
20. Gholizadeh A, Salmani MH, Ebrahimi AA, Hosseini SS, Ehrampoush MH, Miri M, et al. Improved power density and Cr/Pb removal using ozone in a microbial desalination cell. *Environmental Chemistry Letters*. 2018;16(4):1477-85.
21. Hajizadeh Y, Mokhtari M, Faraji M, Mohammadi A, Nemati S, Ghanbari R, et al. Trends of BTEX in the central urban area of Iran: A preliminary study of photochemical ozone pollution and health risk assessment. *Atmospheric Pollution Research*. 2018;9(2):220-9.
22. Hoseinzadeh E, Taha P, Wei C, Godini H, Ashraf GM, Taghavi M, et al. The impact of air pollutants, UV exposure and geographic location on vitamin D deficiency. *Food and Chemical Toxicology*. 2018;113:241-54.
23. Karami A, Karimyan K, Davoodi R, Karimaei M, Sharafie K, Rahimi S, et al. Application of response surface methodology for statistical analysis, modeling, and optimization of malachite green removal from aqueous solutions by manganese-modified pumice adsorbent. *Desalination and Water Treatment*. 2017;89:150-61.
24. Khamirchi R, Hosseini-Bandegharai A, Alahabadi A, Sivamani S, Rahmani-Sani A, Shahryari T, et al. Adsorption property of Br-PADAP-impregnated multiwall carbon nanotubes towards uranium and its performance in the selective separation and determination of uranium in different environmental samples. *Ecotoxicology and environmental safety*. 2018;150:136-43.
25. Kooshki A, Tofighian T, Miri M. A synbiotic supplement for inflammation and oxidative stress and lipid abnormalities in hemodialysis patients. *Hemodialysis International*. 2019;23(2):254-60.
26. Miri M, Akbari E, Amrane A, Jafari SJ, Eslami H, Hoseinzadeh E, et al. Health risk assessment of heavy metal intake due to fish consumption in the Sistan region, Iran. *Environmental Monitoring and Assessment*. 2017;189(11).

27. Miri M, Alahabadi A, Ehrampoush MH, Ghaffari HR, Sakhvidi MJZ, Eskandari M, et al. Environmental determinants of polycyclic aromatic hydrocarbons exposure at home, at kindergartens and during a commute. *Environment International*. 2018;118:266-73.
28. Miri M, Alahabadi A, Ehrampush MH, Rad A, Lotfi MH, Sheikhha MH, et al. Mortality and morbidity due to exposure to ambient particulate matter. *Ecotoxicology and environmental safety*. 2018;165:307-13.
29. Miri M, Allahabadi A, Ghaffari HR, Fathabadi ZA, Raisi Z, Rezai M, et al. Ecological risk assessment of heavy metal (HM) pollution in the ambient air using a new bio-indicator. *Environmental Science and Pollution Research*. 2016;23(14):14210-20.
30. Miri M, Bhatnagar A, Mahdavi Y, Basiri L, Nakhaei A, Khosravi R, et al. Probabilistic risk assessment of exposure to fluoride in most consumed brands of tea in the Middle East. *Food and Chemical Toxicology*. 2018;115:267-72.
31. Miri M, Derakhshan Z, Allahabadi A, Ahmadi E, Oliveri Conti G, Ferrante M, et al. Mortality and morbidity due to exposure to outdoor air pollution in Mashhad metropolis, Iran. The AirQ model approach. *Environmental Research*. 2016;151:451-7.
32. Miri M, Ebrahimi Aval H, Ehrampoush MH, Mohammadi A, Toolabi A, Nikonahad A, et al. Human health impact assessment of exposure to particulate matter: an AirQ software modeling. *Environmental Science and Pollution Research*. 2017;24(19):16513-9.
33. Miri M, Ghassoun Y, Dovlatabadi A, Ebrahimnejad A, Lowner MO. Estimate annual and seasonal PM₁, PM_{2.5} and PM₁₀ concentrations using land use regression model. *Ecotoxicology and environmental safety*. 2019;174:137-45.
34. Miri M, Nabavi SMB, Doustshenas B, Safahieh AR, Loghmani M. Levels of heavy metals in sediments in the vicinity of Chabahar Bay desalination plant. *Iranian Journal of Fisheries Sciences*. 2015;14(4):876-84.
35. Miri M, Nazarzadeh M, Alahabadi A, Ehrampoush MH, Rad A, Lotfi MH, et al. Air pollution and telomere length in adults: A systematic review and meta-analysis of observational studies. *Environmental pollution (Barking, Essex : 1987)*. 2019;244:636-47.
36. Miri M, Rostami Aghdam Shendi M, Ghaffari HR, Ebrahimi Aval H, Ahmadi E, Taban E, et al. Investigation of outdoor BTEX: Concentration, variations, sources, spatial distribution, and risk assessment. *Chemosphere*. 2016;163:601-9.
37. Mohammadi A, Faraji M, Conti GO, Ferrante M, Miri M. Mortality and morbidity due to exposure to particulate matter related to drying Urmia Lake in the NW Iran. *European journal of internal medicine*. 2019;60:e14-e5.
38. Mokhtari M, Hajizadeh Y, Mohammadi A, Miri M, Abdollahnejad A, Niknazar H. Ambient variations of benzene and toluene in Yazd, Iran, using geographic information system. *Journal of Mazandaran University of Medical Sciences*. 2016;26(138):131-9.

39. Mokhtari M, Miri M, Mohammadi A, Khorsandi H, Hajizadeh Y, Abdolahnejad A. Assessment of air quality index and health impact of PM₁₀, PM_{2.5} and SO₂ in Yazd, Iran. *Journal of Mazandaran University of Medical Sciences*. 2015;25(131):14-23.
40. Mokhtari M, Miri M, Nikoonahad A, Jalilian A, Naserifar R, Ghaffari HR, et al. Cutaneous leishmaniasis prevalence and morbidity based on environmental factors in Ilam, Iran: Spatial analysis and land use regression models. *Acta Tropica*. 2016;163:90-7.
41. Mortazavi SB, Salari M, Mahabadi HA, Shendi MRA, Miri M, Aval MY. Comparing ZSM 5 , TiO₂ /ZSM 5 , UV/ ZSM5 , and UV/TiO 2 /ZSM5 processes in removal of styrene from synthetic air current. *Journal of Mazandaran University of Medical Sciences*. 2018;28(166):187-98.
42. Nikonahad A, Khorshidi A, Ghaffari HR, Aval HE, Miri M, Amarloei A, et al. 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*. 2017;24(16):14117-23.
43. Nikoonahad A, Djahed B, Norzaee S, Eslami H, Derakhshan Z, Miri M, et al. An overview report on the application of heteropoly acids on supporting materials in the photocatalytic degradation of organic pollutants from aqueous solutions. *PeerJ*. 2018;2018(9).
44. Nikoonahad A, Naserifar R, Alipour V, Poursafar A, Miri M, Ghafari HR, et al. Assessment of hospitalization and mortality from exposure to PM₁₀ using AirQ modeling in Ilam, Iran. *Environmental Science and Pollution Research*. 2017;24(27):21791-6.
45. Omid F, Dehghani F, Fallahzadeh RA, Miri M, Taghavi M, Eynipour A. Probabilistic risk assessment of occupational exposure to volatile organic compounds in the rendering plant of a poultry slaughterhouse. *Ecotoxicology and environmental safety*. 2019;176:132-6.
46. Pejhan A, Agah J, Adli A, Mehrabadi S, Raoufinia R, Mokamel A, et al. Exposure to air pollution during pregnancy and newborn liver function. *Chemosphere*. 2019;226:447-53.