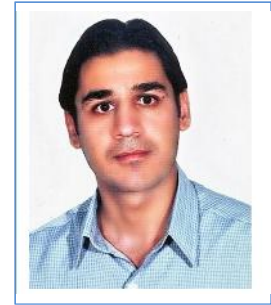


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of Health, Ilam University of Medical
Sciences, Ilam, Iran.

Academic Rank

Assistant Professor

School

Health

Education

1. B.Sc

Environmental Health, Iran University of Medical Sciences, Tehran, Iran, 2004

2. MSc

Environmental Health Engineering, Tehran University of Medical Science, Tehran, Iran, 2007

3. Ph.D

Environmental Health Engineering, Isfahan University of Medical Science , Isfahan, Iran, 2012

Experiences

1. Associate Professor

Department of Environmental Health Engineering, Ilam University of Medical Sciences, 2017

2. Department Manager

Department of Environmental Health Engineering, Ilam University of Medical Sciences, 2012-2019

Course Teaching

1. B.Sc

Environmental Chemistry, Wastewater Treatment, Operations and Processes in Environmental Health.

Papers

1. English

- 1- **H. Nourmoradi**, M. Nikaeen, M. Khiadani (Hajian). *Removal of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) from Aqueous Solutions by Montmorillonite Modified with Nonionic Surfactant: equilibrium, kinetic and thermodynamic study*. **Chemical Engineering Journal**, (2012), 191, 341–348. (ISI Journal).
- 2- **H. Nourmoradi**, M. Nikaeen, H. Mirhendi. *Ultraviolet Irradiation: An Effective Inactivation Method of Aspergillus spp. in Water for the Control of Waterborne Nosocomial Aspergillosis*. **Water Research**. (2012), 46, 5935-5940. (ISI Journal).
- 3- **H. Nourmoradi**, M. Amin, M. Hatamzadeh. M. Nikaeen. *Evaluation of Bio-aerosols concentration in the Different Wards of three Educational Hospitals in Iran*. **International Journal of Environmental Health Engineering**, (2012), 1, 47, 1 - 6.
- 4- H. Faghihian, **H. Nourmoradi**, M. Shokouhi. *Performance of silica aerogels modified with amino functional groups in Pb(II) and Cd(II) removal from aqueous solutions*. **Polish Journal of Chemical Technology**, (2012), 14, 1, 50 - 56. (ISI Journal).
- 5- **H. Nourmoradi**, M. Nikaeen, H. Pourzamani, H. Karimi, M. Hajian. *Comparison of the efficiencies of clay modified with polyethylene glycol (PEG) and clay modified with tetradecyl trimethyl ammonium bromide (TTAB) in the removal of BTEX from aqueous solution*. **International Journal of Environmental Health Engineering**, (2013), 2, 7, 1-8.
- 6- **H. Nourmoradi**, M. Hajian, M. Nikaeen. *Multi-component adsorption of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) from Aqueous Solutions by Montmorillonite Modified with Tetradecyl Trimethyl Ammonium Bromide*. **Journal of chemistry**, (2013), 2013, 1-10. (ISI Journal).
- 7- F. Mohammadi-Moghadam, M. Amin, M. Khiadani, F. MomenBeik, **H. Nourmoradi**, M. Hatamipour. *Application of Glycyrrhiza Glabra Root as a Novel Adsorbent in the Removal of Toluene*

- Vapors: Equilibrium, Kinetic and Thermodynamic Study. Journal of Environmental and Public Health. (2013) 2013, 1-7. (PubMed Journal).*
- 8- **H. Nourmoradi**, M. Foroghi, M. Farhadkhani, M. Vahid Dastjerdi. *Assessment of Lead and Cadmium Levels in Frequently Used Cosmetic Products in Iran. Journal of Environmental and Public Health. 2013 (2013). 2013,1-6. (PubMed Journal).*
- 9- H. Faghihian, **H. Nourmoradi**, M. Shokouhi. *Removal of Copper (II) and Nickel (II) from Aqueous Media Using Silica Aerogel Modified with Amino Propyl Triethoxysilane as an Adsorbent: Equilibrium, Kinetic and Isotherms study. Desalination and water Treatment. (2014), 52, 1-3, 305-13. (ISI Journal).*
- 10- K. Weysi, **H. Nourmoradi**, MR. Samarghandi, MT. Samadi. *Investigation on the Trophic Status of Ekbatan Reservoir: A Drinking Water Supply Reservoir in Iran. Journal of Research in Health Sciences. (2014), 14, 1, 64-68. (PubMed Journal).*
- 11- M.M Amin, M.S Hatamipou, F. Momenbeik, **H. Nourmoradi**, M. Farhadkhani, F. Mohammadi-Moghadam. *Toluene Removal from Sandy Soils via In Situ Technologies with an Emphasis on Factors Influencing Soil Vapor Extraction. The Scientific World Journal. (2014). 2014, 1-7. (ISI Journal).*
- 12- M. Avazpour, S. Shiri, F. Seifipour, **H. Nourmoradi**. *Investigation of quality of storage dam ilam, identify of pollutant resources and pollutants attitude. Iranian Chemical Communication. (2014), 2, 106-118.*
- 13- Z. Noorimotalgh, R. Darvishi Cheshmeh Soltani, AR. Khataee, S.Shahreyar, **H. Nourmoradi**. *Adsorption of a textile dye in aqueous phase using mesoporous activated carbon prepared from iranian milk vetch. Journal of the Taiwan Institute of Chemical Engineers. (2014). 45, 1783-1791. (ISI Journal).*
- 14- M. Behzadifar, Z. Vahdat Shariatpanahi, K. Sayehmiri, **H. Nourmoradi**, E. Ranjbar, KH. Asadollahi. *The Pattern of fat distribution (waist to hip ratio) and body mass index among high school adolescents in Ilam. Journal of Basic Research in Medical Sciences, (2014); 1(1):43-49. (ISC Journal).*
- 15- F. Kazembigi, H. Soheil Arezoomand, H. Faraji, S. Mazloomi, F. Mohammadi, **H. Nourmoradi**. *Removal of Methylene Blue from Aqueous Solutions using Raw and Modified Rice Husk. The Veliger, (2014). 53, 1-7. (ISI Journal).*

- 16- K. Farokhi Moghadam, Y. Mohsenzadeh, **H. Nourmoradi**, R. Beiranvand, K. Soleiman Nejad, A. Delpisheh, S. Avish, T. Sahraei. *Job Stress and Susceptibility to Cardiovascular Diseases: A Case-Control Study*. **Journal of Basic Research in Medical Sciences**, (2014), 1(4):14-20. (ISC Journal).
- 17- F. Mirzaei, F. Nori, M. Mirzaei, **H. Nourmoradi**. *Environmental Health and Safety in Elementary Schools: a Case Study in Ilam City, Iran*. **Journal of Basic Research in Medical Sciences**, (2014); 1(4), 21-27. (ISC Journal).
- 18- **H. Nourmoradi**, AR. Ghiasvand, Z. Noorimotlagh, *Removal of Methylene Blue and Acid Orange 7 from Aqueous Solutions by Activated Carbon Coated with Zinc Oxide (ZnO) Nanoparticles: Equilibrium, Kinetic and Thermodynamic Study*. **Desalination and Water Treatment**. (2015). 55(1), 252-262. (ISI Journal).
- 19- A. Koolivand, F. Gholami-Borujeni, **H. Nourmoradi**. Investigation on the characteristics and management of dental waste in Urmia, Iran. **Journal of Material Cycles and Waste Management**, (2015), 17(3), 553-59. (ISI Journal).
- 20- A. Amarloei, A. Jonidi Jafari, H. Asilian Mahabadi, K. Asadollahi, **H. Nourmoradi**, *Investigation on the Lung Function of General Population in Ilam, West of Iran, as a City Exposed to Dust Storm*. **Global journal of health sciences**. (2015); 7(3):298-308. (PubMed Journal).
- 21- **H. Nourmoradi**, K. Moradnejadi, F. Mohammadi, B. Khosravi, L. Hemati, R. Khoshniyat, F. Kazembigi. *The Effect of Dust Storm on the Microbial Quality of Ambient Air in Sanandaj: A City Located in the West of Iran*. **Global journal of health sciences**. (2015); 7(7): 114-119. (PubMed Journal).
- 22- M. Jourvand, G. Shams Khorramabadi, Y. Omid, H. Godini, **H. Nourmoradi**. *Removal of Methylene Blue from Aqueous Solutions using Modified Clay*. **Journal of Basic Research in Medical Sciences**, (2015); 2(1):32-41. (ISC Journal).
- 23- **H. Nourmoradi**, M. Kazemi, F. Pirmoradi, A. Mirzaei, M. Mirzaei, F. Mohammadi Moghadam. F. Mirzaei. *Hospital Patient Safety Culture in Developing Countries: A Comparative Study in Ilam City, Iran*. **British Journal of Medicine & Medical Research**. (2015). 10, 5, 1-8.
- 24- **H. Nourmoradi**, Gh. Goudarzi, SM. Daryanoosh, F. Omid-Khaniabadi, Y. Omid-Khaniabadi. *Health Impacts of Particulate Matter in Air using AirQ Model in Khorramabad City, Iran*. **Journal of Basic Research in Medical Sciences**, (2015) 2, 1, 32-41. (ISC Journal).

- 25- Y. Omidic Khaniabadi, A. Jafari, **H. Nourmoradi**, F. Taheri, S. Saeedi . *Adsorption of 4-Chlorophenol from Aqueous Solution using Activated Carbon Synthesized from Aloe Vera Green Wastes*. **Journal of Advances in Environmental Health Research**. (2015). 3, 2, 1-10. (ISC Journal)
- 26- H. Basiri, **H. Nourmoradi**, F. Mohammadi Moghadam, K. Farokhi Moghadam, J. Mohammadian, Y. Omidic Khaniabadi. *Removal of Aniline as a Health-Toxic Substance from Polluted Water by Aloe Vera Waste-Based Activated Carbon*. **Der Pharma Chemica**. (2015). 7, 11, 149-155. (Scopus Journal)
- 27- **H. Nourmoradi**, S. Zabihollahi, H.R. Pourzamani. *Removal of a Common Textile Dye, Navy Blue (NB), from Aqueous Solutions by Combined Process of Coagulation-flocculation followed by Adsorption*. **Desalination and Water Treatment**. (2016): 57(11), 5200-5211. (ISI Journal).
- 28- **H. Nourmoradi**, M. Avazpour, N. Ghasemian, M. Heidari, K. Moradnejadi, F. Khodarahmi, M. Javaheri, F. Mohammadi Moghadam. *Surfactant Modified Montmorillonite as a Low Cost Adsorbent for 4-Chlorophenol: Equilibrium, kinetic and thermodynamic study*. **Journal of the Taiwan Institute of Chemical Engineers**. (2016). 59, 244–251. (ISI Journal).
- 29- **H. Nourmoradi**, Seyed Mahdi Takhtfiroozeh, Nahid Raeisi, Alireza Aghajanzadeh Sagh, Rouhullah Dehghani. *Epidemiological Study of Cutaneous Leishmaniasis during 2009 to 2014 in Kashan, Iran: A Potential Intra-domiciliary Transmission of the Disease*. **British Journal of Medicine & Medical Research**. (2016). 12, 9, 1-7.
- 30- N. Mirzaei, **H. Nourmoradi**, A. Velayati, F. Mohammadi Moghadam, HR. Ghaffari, M. Ahmadpour, K. Sharafi. *Health-Related Microbial Quality of Drinking Water in Kangavar, Western of Iran*. **British Journal of Medicine & Medical Research**. (2016). 14, 1, 1-7.
- 31- **H. Nourmoradi**, Z. Rahmati, M. Javaheri, K. Moradnejadi, Z. Noorimotlagh. *Effect of Praestol as a Coagulant-Aid to Improve Coagulation-Flocculation in Dye containing Wastewaters*. **Global NEST Journal**. (2016), 18, 1, 38-46. (ISI Journal).
- 32- **H. Nourmoradi**, YO. Khaniabadi, G. Goudarzi, SM. Daryanoosh, M. Khoshgoftar, F. Omidic, H. Armin. *Air Quality and Health Risks Associated With Exposure to Particulate Matter: A Cross-Sectional Study in Khorramabad, Iran*. **Health Scope**, (2016), 5, 2, 1-9. (ISI Journal).
- 33- Y. Omidic, B. Kamareei, **H. Nourmoradi**, H. Basiri, S. Heidari. *Hexadecyl trimethyl ammonium bromide modified montmorillonite as a low-cost sorbent for the removal of methyl red from liquid*

- medium. International Journal of Engineering-Transactions A: Basics*, (2016), 29, 1, 60- 68. (Scopus Journal).
- 34- **H. Nourmoradi**, S. Mirbagheri, K. Moradnejadi, F. Kazembeigi, M. Shamsizad. *Determination of corrosion and scaling levels of drinking water in distribution system: A study in Sarableh city (Ilam), western of Iran. Journal of Basic Research in Medical Sciences*, (2016), 3, 3, 21-27. (ISC Journal).
- 35- N. Ghasemian, **H. Nourmoradi**. *Experimental Study and Mathematical Modeling of Propane-SCR-NOx Using Group Method of Data Handling and Artificial Neural Network. International Journal of Chemical Reactor Engineering*, (2016), 14, 2, 559-569. (ISC Journal).
- 36- AA. Aghapour, S. Nemati, A. Mohammadi, **H. Nourmoradi**, S. Karimzadeh, S. Nitrate removal from water using alum and ferric chloride: a comparative study of alum and ferric chloride efficiency. *Environmental Health Engineering and Management Journal*, (2016), 3(2), 1-5. (ISC Journal).
- 37- **H. Nourmoradi**, A. Ebrahimi, Y. Hajizadeh, S. Nemati, A. Mohammadi. *Application of nano-zeolite and nano-carbon for the removal of humic acid from aqueous solutions. International Journal of pharmacy and Technology*, (2016), 8, 2, 13337, 13352. (Scopus Journal).
- 38- MM. Amin, A. Rahimi, B. Bina, F. Mohammadi Moghadam, **H. Nourmoradi**, M. Heidari. *Effect of a Non-Ionic Surfactant on Xylene Removal in a Scoria-Compost-Based Biofilter. Clean-Soil, Air, Water*, (2016). In press. (ISI Journal).
- 39- SM. Daryanoosh, G. Goudarzi, **H. Nourmoradi**, AA. Vaisi, H. Armin, Y. Omid. *Hospital Admission for Respiratory and Cardiovascular Diseases Due to Particulate Matter in Ilam, Iran. Jundishapur Journal of Health Sciences*, (2016). In press. (ISC Journal).
- 40- Y. Khaniabadi, R. Heydari, **H. Nourmoradi**, H. Basiri. *Low-cost sorbent for the removal of aniline and methyl orange from liquid-phase: Aloe Vera leaves wastes. Journal of the Taiwan Institute of Chemical Engineers*, (2016). In press. (ISI Journal).
- 41- MA. Karami, MM. Amin, **H. Nourmoradi**, M. Sadani, F. Teimouri, B. Bina. *Degradation of reactive red 198 from aqueous solutions by advanced oxidation process: O₃, O₃/H₂O₂, and persulfate. International Journal of Environmental Health Engineering*, (2016).5(1), 26-32. (ISC Journal).

- 42- S. Khorshidi, **H. Nourmoradi**, O. Rahmanian, F. Mohammadi Moghadam, S. Norouzi, M. Heidari. *Adsorption of Methylene Blue from aqueous solution by raw and NaOH-modified date fruit waste. Der Pharma Chemica*, (2016), 8(19):233-242. (Scopus Journal).
- 43- A. Nikonahad, A. Khorshidi, HR. Ghaffari, HE. Aval, M. Miri, A. Amarloei, **H. Nourmoradi**, A. Mohammadi. *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), 17:1-7. (ISI Journal).
- 44- MM. Amin, A. Rahimi, B. Bina, **H. Nourmoradi**, MS. Hassanvand, F. Mohammadi-Moghadam, S. Norouzi, M. Heidari. *Biodegradation of n-hexane as single pollutant and in a mixture with BTEX in a scoria/compost-based biofilter. Process Safety and Environmental Protection*. (2017), 30;107:508-17. (ISI Journal).
- 45- MJ. Mohammadi, YO. Khaniabadi, H. Basiri, A. Amrane, **H. Nourmoradi**, et al. *Montmorillonite as adsorbent for the removal of methyl red from aqueous solution. Fresenius Environmental Bulletin*. (2017), 26(6): 4088-4096. (ISI Journal).
- 46- YO. Khaniabadi, R. Polosa, R. Chaturcoa, SM, Daryanoosh, G.Goudarzi, A. Borgini, A. Titarelli, H. Basiri, H. Armin, **H. Nourmoradi**, et al. *Human health risk assessment due to ambient PM₁₀ and SO₂ by an air quality modeling technique. Process Safety and Environmental Protection*. (2017). In press. (ISI Journal).
- 47- YO. Khaniabadi, S. Geravandi, M. Mahboubi, MJ. Mohammadi, M. Momtazan, SM. Daryanoosh, A. Zahedi, **H. Nourmoradi**. *Association of hospitalizations for cardiovascular disease attributed to dust events. AJHMS*. (2017);2(2):51-7. (ISC Journal).
- 48- M. Daryanoosh, G. Goudarzi, R. Rashidi, F. Keishams, PK. Hopke, MJ. Mohammadi, **H. Nourmoradi**, et al. *Risk of morbidity attributed to ambient PM₁₀ in the western cities of Iran. Toxin Reviews*. (2018). 8:1-6. (ISI Journal).
- 49- YO. Khaniabadi, H. Basiri, **H. Nourmoradi**, MJ. Mohammadi, AR. Yari, S. Sadeghi, A. Amrane. *Adsorption of Congo Red Dye from Aqueous Solutions by Montmorillonite as a Low-cost Adsorbent. International Journal of Chemical Reactor Engineering*. (2018), (ISI Journal).
- 50- H. Biglari, S. RodríguezCouto, YO. Khaniabadi, **H. Nourmoradi**, M. Khoshgoftar, A. Amrane, et al. *Cationic Surfactant-modified Clay as an Adsorbent for the Removal of Synthetic Dyes from Aqueous Solutions. International Journal of Chemical Reactor Engineering*. (2018), (ISI Journal).

- 51- S. Norouzi, M. Heidari, V. Alipour, O. Rahmanian, M. Fazlzadeh, F. Mohammadi-moghadam, **H. Nourmoradi**, B. Goudarzi, K. Dindarloo. *Preparation, characterization and Cr(VI) adsorption evaluation of NaOH-activated carbon produced from Date Press Cake; an agro-industrial waste. Bioresource Technology. (2018). In Press. (ISI Journal).*
- 52- **H. Nourmoradi**, KF. Moghadam, A. Jafari, B. Kamarehie. *Removal of acetaminophen and ibuprofen from aqueous solutions by activated carbon derived from Quercus Brantii (Oak) acorn as a low-cost biosorbent. Journal of environmental chemical engineering. (2018):6(6):6807-15. (ISI Journal).*
- 53- J. Akbari, S. Safari, M. Kazemi, **H. Nourmoradi**, B. Mahaki, H. Dehghan. *The impact of hearing protection devices (HPDs) on blood pressure in workers exposed to noise: a cross-sectional study in a textile industry. Iranian Journal of Health, Safety and Environment. (2018);5(3):1066-71. (ISC Journal).*
- 54- K. Moradnejadi, A. Torabian, **H. Nourmoradi**, SA. Mirbagheri. *Removal of lindane as a health-toxic pesticide in drinking water by slow sand filtration. Desalination and Water Treatment. (2018);109:139-44. (ISI Journal).*
- 55- G. Zeydouni, S. Rodriguez Couto, **H. Nourmoradi**, H. Basiri, P. Amoatey, S. Esmaeili, et al. *H₂SO₄-modified Aloe vera leaf shells for the removal of P-chlorophenol and methylene blue from aqueous environment. Toxin Reviews. (2018):6:1-1. (ISI Journal).*
- 56- M. Sadeghi, S. Forouzandeh, **H. Nourmoradi**, M. Heidari, A. Ahmadi, MS. Jami, R. Abdizadeh, F. Mohammadi-Moghadam. *Biodecolorization of Reactive Black5 and Reactive Red120 azo dyes using bacterial strains isolated from dairy effluents. International Journal of Environmental Science and Technology. (2018):1-10. (ISI Journal).*
- 57- K. Yaghmaeian, H. Amiri, S. Hassanvand, F. Mohammadi, **H. Nourmoradi**, A. Amarloei, S. Mazloomi. *Quantification of health impacts related to PM₁₀ and O₃ pollutants in Karaj city. Iranian Journal of Health, Safety and Environment. (2018);5(4):1115-21. (ISC Journal).*
- 58- A. Mirzaei, **H. Nourmoradi**, MS. Zavareh, M. Jalilian, M. Mansourian, S. Mazloomi, N. Mokhtari, F Mokhtari. *Food Safety Knowledge and Practices of Male Adolescents in West of Iran. Open Access Maced J Med Sci. (2018):6 (5): 908-912. (PubMed Journal).*
- 59- S. Mazloomi, M. Yousefi, **H. Nourmoradi**, M. Shams. *Evaluation of phosphate removal from aqueous solution using metal organic framework; isotherm, kinetic and thermodynamic study. Journal of Environmental Health Science and Engineering. (2019):1-0. (ISI Journal).*

- 60- S. Mazloomi, A. Zarei, **H. Nourmoradi**, S. Ghodsei, P. Amraei, GA. Haghghat. *Optimization of coagulation-flocculation process for turbidity removal using response surface methodology: a study in Ilam water treatment plant, Iran.* **Desalination and Water Treatment.** (2019);147:234-42. (ISI Journal).
- 61- S. Mazloomi, A. Zarei, S. Alasvand, A. Farhadi, **H. Nourmoradi**, Z. Bonyadi. *Analysis of quality and quantity of health-care wastes in clinical laboratories: a case study of Ilam city.* **Environmental monitoring and assessment.** (2019);191(4):207. (ISI Journal).
- 62- M. Heidari, A. Rahimi, MM. Amin, B. Bina, S. Sami, **H. Nourmoradi**, F. Mohammadi-moghadam, S. Norouzi. *Mathematical modeling and sensitivity analysis of xylene removal in a scoria-compost biofilter.* **Environmental Progress & Sustainable Energy.** (2019). In press. (ISI Journal).
- 63- M. Faraji, A. Ebrahimi, **H. Nourmoradi**, A. Nikonahad, A. Abdolahnejad, R. Ghanbarai, A. Mohammadi. *Optimizing the removal of humic acid with polyaluminum chloride and polyaluminum ferric chloride as green coagulants using response surface methodology.* **Desalination and Water Treatment.** (2019):139 297–304. (ISI Journal).
- 64- Asgari E, Esrafil A, Jafari AJ, Kalantary RR, **Nourmoradi H**, Farzadkia M. *The Comparison of ZnO/polyaniline Nanocomposite under UV and Visible Radiations for Decomposition of Metronidazole: Degradation Rate, Mechanism and Mineralization.* **Process Safety and Environmental Protection.** (2019), 128: 65-76. (ISI Journal).

Skills

Environmental Chemistry Tests
 Various Environmental Research Activities

Inventions

Honors

- ✓ Elected as Top Researcher of Health School of Ilam University of Medical Sciences, 2012-2018
- ✓ Elected as Superior Reaserchers of Ilam Province, 2017

Memberships

- ✓ Member of Iranian of Environmental Health Association

Research Interests:

Environmental Chemistry, Wastewater Treatment, Operations and Processes in Environmental Health.