

Nadali Alavi



Contact Information

alavi@sbmu.ac.ir

Tel: (+98 21) 22432040

Fax: (+98 21) 22432037

Address: Department of Environmental Health Engineering, School of Public Health, Shahid Beheshti University of Medical Sciences, Tehran, IRAN. P.O. Box 1983535511.

<http://orcid.org/0000-0003-1812-4012>

Academic Rank School

Professor

Public Health and Safety

Department of Environmental Health Engineering

CV last edited on: 2022/10/1

Education

1. **PhD**, Environmental Health Engineering, Tehran University of Medical Science , Tehran, Iran, 2009
2. **PhD scholarship**, Environmental Engineering, Urban Water- and Waste-Management Institute, Civil Engineering Department, Engineering Faculty, Duisburg-Essen University, : Essen, Nordrhein-Westfalen, DE, 2007 to 2008
3. **MSc**, Environmental Health Engineering, Tehran University of Medical Science , Tehran, Iran, 1999
4. **BSc**, Environmental Health Engineering, Yazd University of Medical Sciences, Yazd, Iran, 1997

Language Skills

1. English

Speaking: Upper intermediate, Reading: Advanced, Writing: intermediate

Experiences

1. **Professor**, Department of Environmental Health Engineering, Shahid Beheshti University of Medical Sciences, 2018 up to now
2. **Associate Professor**, Department of Environmental Health Engineering, Shahid Beheshti University of Medical Sciences, 2015 up to 2018
3. **Assistant Professor**, Department of Environmental Health Engineering, Ahvaz University of Medical Sciences, 2002-2014
4. **Lecturer**, Department of Environmental Health Engineering, Kurdistan University of Medical Sciences, 2000-2002
4. **Consulting Engineer, 2002-2022**

Papers

English

1. **Alavi N.**, Nabizadeh R., Vaezi F.,(2000). Advanced treatment of Sahebgarianieh wastewater treatment plant secondary effluent by ozonation, *Iranian Public Health*, 29:35-42
2. **Alavi N.**, Mahvi A.H., Maleki A.,(2005). Application of rice and ash in cadmium removal from aqueous solution, *Pakistan Journal Of Biological Sciences* ,8(5):721-725
3. **Alavi N.**, Mesdaghinia A.R., Naddafi K., jafarzadeh N., Nabizadeh R, Mahvi A., Mohebbali G.,(2008).Bioremediation of oil based drilling cuttings in oilfields, *World applied sciences*, 3(3):365-368.
4. **Alavi N.**,Babae A.,(2011).The kinetics of nitrogen removal in an anammox anaerobic up-flow bioreactor for treating Petrochemical industries wastewater (ammonia plant), *Asian Journal of Chemistry*, 23(12):5220-5224.
5. Mirzaiy A., Takdastan A., **Alavi N.**,Mohamadian H., (2012).Removal of turbidity, organic matter, coliform and heterotrophic bacteria by coagulants poly aluminium chlorid from karoon river water in Iran, *Asian Journal of Chemistry*, 24(6):2389-2393.
6. **Alavi N.**,Babae A., Goudarzi R., Jafarzadeh N., Hosinzadeh M., (2012). Municipal Solid waste Landfill Site Selection with GIS and AHP (A Case Study: Mahshahr County, Iran), *Waste Management and Research*Vol31, No1: 98-105
7. **Alavi N.**,Azadi R., Babaei A.A., Jaafarzadeh N.,(2013). Application and kinetic evaluation of up-flow anaerobic biofilm reactor for nitrogen removal from wastewater by the ANAMMOX process, *Iranian Journal of Environmental Health Science and Engineering*,Vol:10 ,No:20, PP:2-7
8. Goudarzi R., Babae A., **Alavi N.**, Solimane B., (2013). Characteristics of indoor airborne fungi during normal and dust event days in Ahvaz, *The Aerobiologia*, Vol: 29, PP: 279-290
9. Mahmoudi P., Takdastan A., **Alavi N.**, Jafari mousavi A., Kaydi N., (2013) Study of excess sludge reduction in conventional activated sludge process by heating returned sludge, *Asian journal of chemistry*, Vol:25, NO:5, PP:2627-2630
- 10.**Alavi N.**, Mousavi S., Farokhiyan F., (2013). Application of the Zero-Discharge Method in Managing Wastes of Drilling Operations: A Case Study of Kish Island Gas Field, *Advances in Environmental Biology*, 7(5): 872-881
- 11.Elahe Zallaghi, Nadali Alavi , Mohammad Javad Mohammadi, Azadeh Saki, Ali Akbar Babaei, Gholamreza Goudarzi, A survey of cardiopulmonary mortalities and COPD attributed to the O₃ pollutant in the air of Ahvaz during 2010 and 2011, *Archives of Hygiene Sciences*, Vol 2, No 2, 2013
- 12.GholamrezaGoudarzi, Mohammad Heidari, Zahra Soleimani, **Alavi Nadali**, Characterization of physical, chemical and biological properties of aerosols generated during dust storms over Ahvaz, Iran , *Proceedings of The U.S-Iran Symposium on Air Pollution in Megacities*, September 3-5, 2013, The Beckman Center of the National Academy of Sciences and Engineering, Irvine, California
- 13.**NadaliAlavi**, Payam Amir-Heidari, RozaAzadi, Ali-Akbar Babaei, (2013)Effluent Quality of Ammonia Unit No. 3 in Razi Petrochemical Complex, *Journal of Advances in Environmental Health Research*, Vol 1, No 1
- 14.Jaafarzadeh N., Teymouri P., Babaei A., **Alavi N.**, Ahmadi M., (2014). Biosorption of Cadmium (II) from aqueous solution by NaCl-treated *Ceratophyllum demersum*, *Environmenta Engineering and Management Journal*, , Vol.13, No. 4, 763-773

15. Ahmadi M., Teymouri P., Ghalebi M., Jaafarzadeh N., **Alavi N.**, Askari A. (2014). Sludge characterization of an industrial water treatment plant, Iran, *Desalination and Water Treatment*, Volume 52, pp: 28-30.
16. **Nadali Alavi**, Ali-Reza Mesdaghinia, Kazem Naddafi, Ghasemali Mohebali, (2014). Biodegradation of petroleum hydrocarbons in a soil polluted sample by oil-based drilling cuttings, *Soil and Sediment Contamination*, 23:586–597
17. Mohammad Heidari-Farsani, Mohammad Shirmardi, Gholamreza Goudarzi, **Nadali Alavi**, The evaluation of heavy metals concentration related to PM_{10} in ambient air of Ahvaz city, Iran, *Journal of Advances in Environmental Health Research* 2014. 1(2)
18. Goudarzi Gholamreza, **Alavi Nadali**, Khodarahmi Fatemeh, (2014). Particulate matter and Bacteria characteristics of the Middle East Dust (MED) storm over Ahvaz, Iran, *Aerobiologia*, Volume 30, pp 345-356
19. Ali Akbar Babaei, Gholamreza Goudarzi, Kambiz Ahmadi, Pari Teymouri, **Nadali Alavi**, Mohammad Rafiee (2015). Household Recycling Behaviors and Attitudes toward Waste Management in the Abadan, Iran, *Resources, Conservation and Recycling*, Volume 102, Pages 94–100
20. **Alavi Nadali**, Takdastan Afshin, Bagheri Nastaran, Fakheri Farzaneh, Babae Aliakbar, (2015). Electronic and Electric Wastes management in Ahvaz, *Journal of Air and Waste Management* , 65(3):298-305
21. Alavi N, Babaei AA, Shirmardi M, Naimabadi A, Goudarzi G (2015). Assessment of oxytetracycline and tetracycline antibiotics in manure samples in different cities of Khuzestan Province, Iran. *Environ Sci Pollut Res Int*. Pages:1-7
22. Gholamreza Goudarzi, Ali Akbar Babaei, **Nadali Alavi**, Mohammad Javad Mohammadi, (2015). Cardiovascular and respiratory mortality attributed to ground-level ozone in Ahvaz, Iran, *Environmental Monitoring and Assessment* Volume 187, Issue 8, Pages 1-9
23. Ali Akbar Babaei, Leila Atari, Mehdi Ahmadi, Kambiz Ahmadiangali, Mirzaman Zamanzadeh, **Nadali Alavi**, (2015). Trihalomethanes formation in Iranian water supply systems: predicting and modeling, *Water Health (IWA Publishing)*, 13(3), 859-869
24. Abolfazl Naimabadi, Ata Ghadiri, Ali Akbar Babaei, Nadali Alavi, Gholamreza Goudarzi, (2016). Chemical composition of PM_{10} and its in vitro toxicological impacts on lung cells during the Middle Eastern Dust (MED) storms in Ahvaz, Iran, *Environmental Pollution*, 211, 316-324
25. **Nadali Alavi**, Gholamreza Goudarzi, Ali Akbar Babaei, Mohammad Javad Mohammadi, (2016). Water Quality Assessment and Analysis of Dez-Eastern aquifer for drinking and agricultural uses by Schuler and Wilcox diagrams and zoning in GIS environment, *Desalination and Water Treatment*
26. **Alavi Nadali**, Bakhshodeh Reza, Soltani Amir, (2016). Removal of heavy metals from Isfahan composting leachate by horizontal subsurface flow constructed wetland , *Environ Sci Pollut Res*, 23:12384–12391
27. Zeinab Ghaed Rahmat, Mehdi Vosoughi Niri, **Nadali Alavi**, Gholamreza Goudarzi, Ali Akbar Babaei, Zeinab Baboli, Mohsen Hosseinzadeh, (2016). Landfill site selection using GIS and AHP: a case study: Behbahan, Iran, *KSCE Journal of Civil Engineering*, PP:1-8
28. Ali Akbar Babaei, **Seyed Nadali Alavi**, Mitra Akbarifare, Kamal Ahmadib, Amirhosein Ramazanpour Esfahani, Babak Kakavandiabe, (2016). Experimental and modeling study on adsorption of cationic methylene blue dye onto mesoporous biochars prepared from agrowaste
29. Shirmardi Mohammad, Ali akbar babaei, **Nadali Alavi**, (2016). Removal of tetracycline antibiotic from contaminated water media by multi-walled carbon nanotubes: operational variables, kinetics, and equilibrium studies

30. Ali Akbar Babaei, Kamal Ahmadi, Iraj Kazeminezhad, **Seyed Nadali Alavi**, Afshin Takdastan, (2016). Synthesis and Application of Magnetic Hydroxyapatite for Removal of Tetracycline from Aqueous Solutions, *J Mazandaran Univ Med Sci*, 26(136): 146-159

Abstracts and Presentation

International Congress

1. **Nadali Alavi**, Maleki A., Mahvi A. (2006), Removal of Cadmium from Aqueous Solution by Rice Husk and its Ash, The 6th International symposium on Advanced Environmental Monitoring, Heidelberg- Germany
2. Mesdaghinia, A., **Nadali, A.**, (2007). Water Situation in Iran: Challenges and Achievements. In Chan N W and Bouguerra L (Editors) (2007) *World Citizens' Assembly on Water: Towards Global Water Sustainability*. Penang: Water Watch Penang and Alliance for a Responsible, Plural and United World, 80-83.
3. **Nadali Alavi**, Gholamreza Ghodarzi, Alikbar Babaei, (2011), Municipal Solid waste Landfill Site Selection with GIS and AHP (A Case Study: Mahshahr County, Iran), World congress of International Solid waste Association, Deagu – Korea.
4. Gholamreza Goudarzi, Mohammad Heidari, Zahra Soleimani, **Alavi Nadali**, Characterization of physical, chemical and biological properties of aerosols generated during dust storms over Ahvaz, Iran, Proceedings of The U.S-Iran Symposium on Air Pollution in Megacities, September 3-5, 2013, The Beckman Center of the National Academy of Sciences and Engineering, Irvine, California

Books

1. **Public Health Textbook(Chapter 4: Hazardous Waste Management)**, Authors: Alavi N., Hatami H., et al, *Shahid Beheshti University of Medical Sciences Publication, 2018*
2. **Integrated Solid Waste Management**, Authors: Alavi N., Babaei A, *Shahid Beheshti University of Medical Sciences Publication, 2016*
3. **Chemistry for Environmental engineers(Saweyer and Mac Carty)**, Translated by: Alavi N, Jafarzadeh N., Babaei A., *Andishe rafie, 2000*
4. **Organic Waste Recycling**, Translated by: Alavi N, Mahvi AH., *Tehran University of Medical Sciences, 2004*

Research Interests

Material and Energy Recovery
Biological Waste Management
Environmental Impact Assessment

Skills

Microsoft office, Spss, Matlab, GIS, Cad

Memberships

1. International Solid Waste Management Association, ISWA
2. Iranian Environmentalist Association

3. Iranian Association of Environmental Health (IAEH)