



## **Curriculum Vitae**

**Dr. Mohammad Shakerkhatibi**

**Professor in Environmental Engineering**

### **Personal Information**

Professor in Environmental Engineering,  
Department of Environmental Health Engineering,  
Faculty of Health,  
Tabriz University of Medical Sciences, Tabriz, Iran.

**Birth Date:** 1973

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## **Education**

Ph.D of Environmental Engineering, Tarbiat Modares University, Terhran , Iran, 2010.

M.Sc of Environmental Engineering, Shiraz University, Shiraz, Iran, 2003.

B.Sc of Environmental Health Engineering, Hamadan University of Medical Sciences, Hamadan, Iran, 1999.

## **Professional Experiences**

- Professor of Environmental Engineering, Academic member of Department of Environmental Health Engineering, Tabriz University of Medical Sciences, March 10, 2010 to Present.
- Advisor of talented students, Faculty of Health, Tabriz University of Medical Sciences, 2011 to Present.

## **Teaching Experiences**

I have been involved in teaching of the following subjects:

- Hydraulics and fluid mechanics to B.Sc Students
- Process and operations in environmental health engineering to B.Sc Students
- Wastewater treatment to B.Sc Students
- Industrial wastewater management to M.Sc Students
- Soil pollution to M.Sc Students
- Nuclear waste management to M.Sc Students
- Modeling in environmental health engineering to Ph.D Students
- Radioactive protection to Ph.D Students

## **Reviewer in the following Journals**

- Water research
- Water Science and Technology
- Desalination and Water Treatment
- Heighpubs Journal of Civil and Environmental Engineering
- Environmental Health Engineering and Management Journal
- International Research Journal of Public and Environmental Health
- Separation Science and Technology
- Health Promotion Perspectives
- International Journal of Environmental Protection
- Iranian Journal of Science and Technology

- Advances in Environmental Technology
- Journal of Applied Research in Water and Wastewater
- Journal of Civil and Environmental Engineering
- Modares Civil Engineering Journal

### Research Interest Keywords

- Air pollution and health effects
- Air pollution monitoring and modeling
- Pesticide residues in water resources
- Municipal and industrial wastewater (treatability tests, performance evaluation of treatment plants, modeling)
- Environmental impact assessment

### Publications

#### Full papers published in peer-reviewed journals

##### In English (from the most recent)

- 2024 Danian Kahe, Zahra Sabeti, Parvin Sarbakhsh, Mohammad Shakerkhatibi, Akbar Gholampour, Gholamreza Goudarzi, Jabraeil Sharbafi, Saeed Dastgiri, Ahmad Separham, Ensiyeh Seyedrezazadeh, (2024). Effect of PM<sub>2.5</sub> exposure on adhesion molecules and systemic nitric oxide in healthy adults: The role of metals, PAHs, and oxidative potential, *Chemosphere* 354 (2024) 141631.
- 2024 Milad Safari, Khaled Zoroufchi Benis, Seyed Shamseddin Alizadeh, Homayoun Sadeghi Bazargani, **Mohammad Shakerkhatibi**, Nazanin Masoudi, (2024). A Review on Factors Affecting Large Truck–Involved Crashes, *Iranian Journal of Health, Safety & Environment*, 10(1), 1559-1570.
- 2024 Neda Hosseinpour, Zahra Sabeti, Hassan Aslani, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Arash Najafloo, Masoumeh Malekzadeh, Raana Tayefeh Rahimian, (2024). Investigation of ambient BTEX concentrations along a bus rapid transit route in Tabriz: Spatio-temporal variations and health risk assessment, *Urban Climate* 54 (2024) 101860.
- 2024 Sajjad Yousefi, Hassan Aslani, **Mohammad Shakerkhatibi**, Yousef Mohammadian & Gholam Hossein Safari, (2024); Combined health risk assessment of organophosphates pesticide residues in greenhouse cucumber in the Northwestern of Iran based on Monte Carlo Simulations, *International Journal of Environmental Analytical Chemistry*, 104(4), 900–915. DOI: 10.1080/030 67319.2022.2026941.

- 2023 Neda Soheili Maleki, **Mohammad Shakerkhatibi**, Mehran Dolatkah, Gholam Hossein Safari, (2023). Cumulative health risk assessment of pesticide residues in apple products in the Northwest of Iran using Monte Carlo simulation, Food Additives and Contaminants: Part A, 40:8, 992-1010, DOI: 10.1080/19440049.2023.2232876.
- 2023 Zahra Sabeti, Atefeh Ansarin, Khalil Ansarin, Venus Zafari, Ensiyeh Seyedrezazadeh, **Mohammad Shakerkhatibi**, Mohammad Asghari-Jafarabadi, Saeed Dastgiri, Khaled Zoroufchi Benis, Maryam Sepehri, Zhila Khamnian, (2023). Sex-specific association of exposure to air pollutants and Nrf2 gene expression and inflammatory biomarkers in exhaled breath of healthy adolescents, Environmental Pollution, 326, 121463.
- 2023 Fatemeh Barzgar, Sanam Sadeghi-Mohammadi, Younes Aftabi, Habib Zarredar, **Mohammad Shakerkhatibi**, Parvin Sarbakhsh, Akbar Gholampour, (2023). Oxidative stress indices induced by industrial and urban PM2.5-bound metals in A549 cells, Science of the Total Environment 877, 162726.
- 2021 **Mohammad Shakerkhatibi**, Khaled Zoroufchi Benis, Mohammad Asghari Jafarabadi, Homayon Sadeghi Bazarghani, Hamid Allahverdipour, Daryoush Savadi Oskouei, Esmacil Fatehifar, Masoumeh Farajzadeh, Adeleh Yadeghari, Khalil Ansarin, Rozita Jafari, Akram Zakeri, Parisa Moshashaei, Ali Behnami, (2021); Air pollution-related asthma profiles among children/adolescents: A multi-group latent class analysis, Ecotoxicology and Environmental Safety 219, 112344.
- 2021 Zahra Sabeti, Khalil Ansarin, Ensiyeh Seyedrezazadeh, Mohammad Asghari Jafarabadi, Venus Zafari, Saeed Dastgiri, **Mohammad Shakerkhatibi**, Akbar Gholampour, Mohammad Ghanbari Ghosikali, Reza Ghasemzadeh, Yalda Torabi & Behzad Mohammadi, (2021); A comparison of asthma prevalence in adolescents living in urban and semi-urban areas in northwestern Iran, Human and Ecological Risk Assessment: An International Journal, 27:8, 2051-2068, DOI: 10.1080/10807039.2021.1944051.
- 2021 Zahra Sabeti, Khalil Ansarin, Ensiyeh Seyedrezazadeh, Mohammad Asghari Jafarabadi, Venus Zafari, Saeed Dastgiri, **Mohammad Shakerkhatibi**, Akbar Gholampour, Zhila Khamnian, Maryam Sepehri, Mahin Dahim, Jabrael Sharbafi, Daryoush Hakimi, (2021); Acute responses of airway oxidative stress, inflammation, and hemodynamic markers to ambient PM2.5 and their trace metal contents among healthy adolescences: A panel study in highly polluted versus low polluted regions, Environmental Pollution 288, 117797.
- 2021 **Mohammad Shakerkhatibi**, Hajar Seifipour, Zahra Sabeti, Danian Kahe, Mohammad Asghari Jafarabadi, Khaled Zoroufchi Benis & Mohammad Hajaghazadeh, (2021); Correlation of ambient particulate matters (PM<sub>10</sub>, PM<sub>2.5</sub>) with respiratory hospital admissions: a

- casecrossover study in Urmia, Iran, Human and Ecological Risk Assessment: An International Journal, 27:8, 2184-2201, DOI: 10.1080/10807039.2021.1964064.
- 2020 Milad Safari, Seyed Shamseddin Alizadeh, Homayoun Sadeghi Bazargani, Atefeh Aliashrafi, **Mohammad Shakerkhatibi**, Parisa Moshashaei, (2020); The priority setting of factors affecting a crash severity using the Analytic Network Process, J Inj Violence Res. 12(1): 11-19.
- 2019 Mohammad Mosaferi, Hamed Jahani Moghaddam, **Mohammad Shakerkhatibi**, Seyed Mehdi Esmat Saatloo, Sepideh Nemati Mansour & Shahrokh Nazmara, (2019); Spatial variation and quantitative screening level assessment of human risk from boron exposure in groundwater resources of western edge of the Lake Urmia, Iran, International Journal of Environmental Health Research, DOI: 10.1080/09603123.2019.1590539.
- 2019 Milad Safari, Seyed Shamseddin Alizadeh, Homayoun Sadeghi Bazargani, Atefeh Aliashrafi, Azam Maleki, Parisa Moshashaei, **Mohammad Shakerkhatibi**, (2019); A Comprehensive Review on Risk Factors Affecting the Crash Severity, Iranian Journal of Health, Safety & Environment, 6, 4, 1366-1376.
- 2019 Nasim Zolfaghari Firouzsafari, **Mohammad Shakerkhatibi**, Mojtaba Pourakbar, Adeleh Yadeghari, Gholam Hossein Safari, Parvin Sarbakhsh (2019). Pyrethroid pesticide residues in a municipal wastewater treatment plant: Occurrence, removal efficiency, and risk assessment using a modified index, Journal of Water Process Engineering 29, <https://doi.org/10.1016/j.jwpe.2019.100793>.
- 2019 Ali Behnami, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Siavash Derafshi, Mir Mohammad Chavoshbashi (2019). A systematic approach for selecting an optimal strategy for controlling VOCs emissions in a petrochemical wastewater treatment plant, Stochastic Environmental Research and Risk Assessment, 33, 13–29, <https://doi.org/10.1007/s00477-018-1623-0>.
- 2019 Ali Behnami, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Esmaeil Fatehifar, Siavash Derafshi, Mir Mohammad Chavoshbashi (2019). Integrating data reconciliation into material flow cost accounting: The case of a petrochemical wastewater treatment plant, Journal of Cleaner Production 218, 616-628.
- 2019 Mohammad Taghi Samadi, **Mohammad Shakerkhatibi**, Jalal Poorolajal, Alireza Rahmani, Hassan Rafieemehr, Mousa Hesam (2019). Association of long term exposure to outdoor volatile organic compounds (BTXS) with pro-inflammatory biomarkers and hematologic parameters in urban adults: A cross-sectional study in Tabriz, Iran, Ecotoxicology and Environmental Safety 180, 152–159.

- 2019 Mousa Hesam, **Mohammad Shakerkhatibi**, Mohammad Taghi Samadi, Jalal Poorolajal, Alireza Rahmani, and Hassan Rafieemeh (2019). Long-term exposure to outdoor VOCs and lung function in urban adults: a cross-sectional study in Tabriz an industrialized city in the northwest of Iran, *Human and Ecological Risk Assessment: An International Journal*, <https://doi.org/10.1080/10807039.2019.1587289>.
- 2019 Mojtaba Ahmadi, Khaled Zoroufchi Benis, Mehrdad Faraji, **Mohammad Shakerkhatibi**, Atefeh Aliashrafi (2019). Process performance and multi-kinetic modeling of a membrane bioreactor treating actual oil refinery wastewater, *Journal of Water Process Engineering* 28, 115–122.
- 2019 **Mohammad Shakerkhatibi**, Mohammad Mosaferi, Mojtaba Pourakbar, Mehrdad Ahmadnejad, Navid Safavi, Faranak Banitorab (2019). Comprehensive investigation of groundwater quality in the north-west of Iran: Physicochemical and heavy metal analysis, *Groundwater for Sustainable Development* 8, 156-168, <https://doi.org/10.1016/j.gsd.2018.10.006>
- 2019 Leila Tohid, Zahra Sabeti, Parvin Sarbakhsh, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Yahya Rasoulzadeh, Raana Rahimian, Siamak Darvishali (2019). Spatiotemporal variation, ozone formation potential and health risk assessment of ambient air VOCs in an industrialized city in Iran, *Atmospheric Pollution Research* 10, 556–563, <https://doi.org/10.1016/j.apr.2018.10.007>.
- 2018 Sanaz Pahlavanzadeh, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Ayoub Karimi Jashni, Nasser Taleb Beydokhti, Salman Alizadeh Kordkandi, (2018). Performance and kinetic modeling of an aerated submerged fixed-film bioreactor for BOD and nitrogen removal from municipal wastewater, *Journal of Environmental Chemical Engineering*, 6, 6154–6164, <https://doi.org/10.1016/j.jece.2018.09.045>.
- 2018 Ali Behnami, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Siavash Derafshi, Ali Bagheri Saber, Najibeh Asl Rahnema Akbari, Roghayeh Yousefi (2018). Comparative study on fungal communities of full scale municipal and industrial wastewater treatment plants, *Desalination and Water Treatment*, 131, 123–131, doi:10.5004/dwt.2018.22948.
- 2018 Kh. Zoroufchi Benis, A. Safaiyan, D. Farajzadeh, F. Khalili Nadji, **M. Shakerkhatibi**, H. Harati, G. H. Safari, M. H. Sarbazan (2018). Municipal solid waste characterization and household waste behaviors in a megacity in the northwest of Iran, *International Journal of Environmental Science and Technology*, <https://doi.org/10.1007/s13762-018-1902-9>.
- 2018 Ali Behnami, Davoud Farajzadeh, Siavash Isazadeh, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Zohreh Shiri, Sajjad Ghorghanlu, Adeleh Yadeghari (2018). Diversity of

- bacteria in a full-scale petrochemical wastewater treatment plant experiencing stable hydrocarbon removal, *Journal of Water Process Engineering* 23, 285–291.
- 2016 **Mohammad Shakerkhatibi**, Mohammad Mosaferi, Khaled Zorufchi Benis, Zahra Akbari (2016). Performance evaluation of a full-scale ABS resin manufacturing wastewater treatment plant: a case study in Tabriz Petrochemical Complex, *Environmental Health Engineering and Management Journal*, 3(3), 151–158.
- 2016 Ali Behnami, **Mohammad Shakerkhatibi**, Reza Dehghanzadeh, Khaled Zoroufchi Benis, Siavash Derafshi, Esmail Fatehifar, (2016). The implementation of data reconciliation for evaluating a full-scale petrochemical wastewater treatment plant, *Environ Sci Pollut Res*, 23: 22586–22595.
- 2016 Nader Taghipour, Mohammad Mosaferi, **Mohammad Shakerkhatibi**, Neemat Jaafarzadeh, Reza Dehghanzadeh, Hassan HosseinNia, (2016). Optimized coupling of a submerged membrane electro-bioreactor with pre-anaerobic reactors containing anode electrodes for wastewater treatment and fouling reduction, *Journal of Water Reuse and Desalination*, Available Online 4 August 2016, jwr2016063; DOI: 10.2166/wrd.2016.063.
- 2016 Hassan Taghipour, Mina Alizadeh, Reza Dehghanzadeh, Mohammad Reza Farshchian, Mohammad Ganbari, **Mohammad Shakerkhatibi**, (2016). Performance of on-site Medical waste disinfection equipment in hospitals of Tabriz, *Iran Health Promotion Perspectives*, 6(4), 202-206.
- 2016 Kh. Zoroufchi Benis, **M. Shakerkhatibi**, R. Yousefi, D. Kahforoushan, S. Derafshi, (2016). Emission patterns of acrylonitrile and styrene around an industrial wastewater treatment plant in Iran *Int. J. Environ. Sci. Technol.* 13: 2353–2362.
- 2015 **Mohammad Shakerkhatibi**, Nahideh Mohammadi, Khaled Zoroufchi Benis, Alireza Behrooz Sarand, Esmail Fatehifar, Ahmad Asl Hashemi, (2015). Using ANN and EPR models to predict the CO concentrations in urban area of Tabriz, *Environmental Health Engineering and Management Journal*, 2(3), 117-122.
- 2015 **M. Shakerkhatibi**, I. Dianat, M. Asghari Jafarabadi, R. Azak, A. Kousha, (2015). Air pollution and hospital admissions for cardio-respiratory diseases in Iran: Artificial Neural Network versus Conditional Logistic Regression, *International Journal of Environmental Science and Technology*, 12, 3433-3442.
- 2014 Mohammad Mosaferi, Mojtaba Pourakbar, **Mohammad Shakerkhatibi**, Esmail Fatehifar, Mehdi Belvasi, (2014). Quality modeling of drinking groundwater using GIS in rural communities, northwest of Iran, *Journal of Environmental Health Science & Engineering*, 12:99. <http://www.ijehse.com/content/12/1/99>.

- 2014 **Mohammad Shakerkhatibi**, Mohammad Mosaferi, Mohammad Asghari Jafarabadi, Ehtesham Lotfi, Mehdi Belvasi, (2014). Pesticides residue in drinking groundwater resources of rural areas in the northwest of Iran, *Health Promotion Perspectives*, 4(2), 195-205.
- 2014 Mohammad Mosaferi, **Mohammad Shakerkhatibi**, Saeid Dastgiri, Mohammad Asghari Jafarabadi, Alireza Khataee, Samira Sheykholeslami, (2014). Natural Arsenic Pollution and Hydrochemistry of Drinking Water of an Urban Part of Iran, *Avicenna J Environ Health Eng*. 1(1):e164.
- 2013 **Shakerkhatibi, M.**, Monajemi, P., Jafarzadeh, M.T., Mokhtari, S.A. and Farshchian, M.R. (2013). Feasibility study on EO/EG wastewater treatment using pilot scale SBR, *International Journal of Environmental Research*, 7 (1), 195-204.
- 2013 Mohammad Mosaferi, Iman Dianat, **Mohammad Shakerkhatibi**, Sepideh Nemati Mansour, Mohammad Fahiminia, Ahmad Asl Hashemi, (2013). Review of environmental aspects and waste management of stone cutting and fabrication industries, *Journal of Material Cycles and Waste Management*, Springer Japan, DOI: 10.1007/s10163-013-0193-y.
- 2012 Taghipour, H., **Shakerkhatibi, M.**, Pourakbar, M., Belvasi, M., (2012). Corrosion and Scaling Potential in Drinking Water Distribution System of Tabriz, Northwestern Iran, *Health Promotion Perspectives*, 2 (1), 103-111.
- 2011 A.B. Khoshfetrat, H. Nikakhtari, M. Sadeghifar, **M. Shakerkhatibi**, (2011). Influence of organic loading and aeration rates on performance of a lab-scale upflow aerated submerged fixed-film bioreactor, *Process Safety and Environmental Protection*, 89, 193-197.
- 2010 **M. Shakerkhatibi**, H. Ganjidoust, B. Ayati, E. Fatehifar., (2010). Performance of Aerated Submerged Fixed-Film Bioreactor for treatment of Acrylonitrile-Containing Wastewater, *Iranian journal of environmental health science and engineering*, 7 (4), 327-336.

#### **In Persian (from the most recent)**

- 2022 Najmeh Shahmahdi, Bahareh Ghoreishi, Hassan Aslani, Saeideh Ghaffarifar, **Mohammad Shakerkhatibi**, Mohammad Mosaferi, Abdolreza Shaghaghi, (2022). Educational need assessment for empowering health and environmental specialists, *Iran. J. Health & Environ*. 2022, Vol. 14, No.4.
- 2017 Nahideh Mohammadi, Khaled Zoroufchi Benis, Masood Shakeri, **Mohammad Shakerkhatibi**, Esmaeil Fatehifar, Amir Mahmoudian, (2017). Associations between Surface Ozone and Nitrogen Oxides of Ambient Air in Tabriz, *Journal of Civil and Environmental Engineering*, 47 (1), 107-114.



- 2017 A. Behnami, **M. Shakerkhatibi**, S. Derafshi, E. Fatehifar, M.M. Chavoshbashi, Z. Akbari, (2017). Performance evaluation of Tabriz petrochemical wastewater treatment plant, *Modares Civil Engineering Journal*, 17 (2), 55-65.
- 2017 Mohammad Mosaferi, Samira Sheykholeslami, Saeid Dastgiri, **Mohammad Shakerkhatibi**, (2017). Determination of arsenic in recreational hot water springs in Sarein-Ardabil region considering possible dermal exposure, *Med J Tabriz Uni Med Sciences Health Services*, 39 (2), 70-76.
- 2017 **Mohammad Shakerkhatibi**, Mohammad Asghari Jafarabadi, Razieh Azak, (2017). Evaluation of Air Pollution Effects on Cardiovascular Hospital Admissions in Tabriz: A Case-Crossover Analysis, *Medical Journal of Tabriz University of Medical Sciences and Health Services*, 38 (6), 26-33.
- 2016 Nahideh Mohammadi, Khaled Zoroufchi Benis, **Mohammad Shakerkhatibi**, Esmaeil Fatehifar, Alireza Behrooz Sarand, Amir Mahmoudian, Farid Sheikholeslami, (2016). Forecasting Concentrations of Gaseous Air Pollutants Using Artificial Neural Networks in Tabriz, *Journal of Civil and Environmental Engineering*, 46 (2), 97-104.
- 2016 Zahra Akbari, **Mohammad Shakerkhatibi**, Mohammad Mosaferi, Najibe Asl Rahnema Akbari, Zohre Shiri, Mohammad Reza Farshchian, (2016). Isolation and identification of dominant microorganisms in activated sludge of abs effluent treatment plant and evaluation of their potential for acrylonitrile biodegradation, *The Journal of Urmia University of Medical Sciences*, 27 (5), 375-383.
- 2016 B. Ghoreishi, **M. Shakerkhatibi**, H. Aslani, A. Dolatkah, A. Abdoli Seilabi, M. Mosaferi, (2016). Evaluation of Microbial Quality in Biosolids Generated from Municipal Wastewater Treatment plants, Iran. *J. Health and Environ.*, 9 (1), 81-90.
- 2016 R. Yousefi, Kh. Zoroufchi Benis, S. Derafshi, **M. Shakerkhatibi**, (2016). Estimation of Emission Rate and Simiulation of Styrene and Acrilonitryle Dispersion around an ABS plant, *Modares Civil Engineering Journal*, 16 (5), 243-252.
- 2016 Z. Akbari, **M. Shakerkhatibi**, M. Mosaferi, S. Derafshi, E. Fatehifar, M.M. Chavoshbashi, A. Behnami, (2016). Evaluation of operating performance of ABS wastewater treatment system, *Modares Civil Engineering Journal*, 16 (2), 31-40.
- 2016 Mohammad Mosaferi, Saeid Dastgiri, **Mohammad Shakerkhatibi**, Samira Sheykholeslami, (2016). Epidemiological Study of Skin Effects of Exposure to Low Concentration of Arsenic from Drinking Water in Two Villages of Sarab, *Medical Journal of Tabriz University of Medical Sciences and Health Services*, 38 (5), 56-61.

- 2015 M. Pourakbar, M. Mosaferi, **M. Shakerkhatibi**, A. Moradi, (2015). Groundwater Quality Assessment from a Hydrogeochemical Viewpoint (A Case Study of Sarab County), Water and Wastewater, 3, 116-126.
- 2015 M. Asghari Jafarabadi, **M. Shakerkhatibi**, R. Azak, M. Shakeri, (2015). Association between air pollution and hospital admissions of respiratory disease patients in Tabriz, Iran using the neural network model, Scientific Journal of School of Public Health and Institute of Public Health Research, 13 (1), 87-98.
- 2015 B. Djahed, M.A. Baghapour, **M. Shakerkhatibi**, F. Khalili Nadji, (2015). The application of activated carbon produced from used newspaper in the removal of methylene blue dye from aqueous solution: isotherm, kinetic and thermodynamic study, Modares Civil Engineering Journal, 14 (4), 1-9.
- 2013 Vajiheh Lotfi, Yahya Rasoulzadeh, Faramarz Moattar, Reza Gholamnia, Mohammed Shakerkhatibi, (2013). Survey of Airborne Asbestos Concentrations in High Traffic Areas of Tabriz, Medical Journal of Tabriz University of Medical Sciences and Health Services, 35 (2), 78-83.
- 2011 M. Mosaferi, **M. Shakerkhatibi**, A. Hashemi Asl, Sh. Nazmara, M.E. Ramazani, H. Taghipour, (2011). Determination of Heavy Metals in Effluent and Sludge from Stone Cutting Industries, Journal of Civil and Environmental Engineering, 41 (1), 101-106.
- 2011 M. Mosaferi, **M. Shakerkhatibi**, A. Mehri, (2011). Heterotrophic Bacteria in Drinking Water in Tabriz, Scientific Journal of School of Public Health and Institute of Public Health Research, 8 (4), 83-92.
- 2010 **M. Shakerkhatibi**, H. Ganjidoust, B. Ayati, E. Fatehifar, A. Safaeian, (2010). Acrylonitrile Removal from Synthetic Wastewater Using a Lab Scale ASFFR. Journal of Civil and Environmental Engineering, 40 (1), 21-31.
- 2010 S.A. Mokhtari, M. Gholami, **M. Shakerkhatibi**, S.H. Mirhosseini, (2010). Influence of the concentration, pH, temperature and pressure parameters on Arsenic removal from drinking water via reverse osmosis process, Journal of Ardabil University of Medical Sciences, 10 (3), 261-269.
- 2010 A. Asl Hashemi, **M. Shakerkhatibi**, (2010). Plasma technique and its application in waste disposal, The Application of Chemistry in Environment, Islamic Azad University of Ahar, 1 (3), 35-45.
- 2010 M. Mosaferi, H. Taghipour, S. Nazmara, **M. Shakerkhatibi**, (2010). Chemical analysis of water used in food and drinking industries: A case study in the North West of Iran, The Application of Chemistry in Environment, Islamic Azad University of Ahar, 1 (3), 47-60.

- 2009 **M. Shakerkhatibi**, H. Ganjidoust, B. Ayati, E. Fatehifar, (2009). Isolation and identification of an acrylonitrile-degrading bacterial strain from a petrochemical wastewater treatment system activated sludge and its efficiency in acrylonitrile removal, Scientific Journal of School of Public Health and Institute of Public Health Research, 6 (3,4), 119-128.

#### **Papers Presented in National & International Conferences (from the most recent)**

- 2021 Nasim Zolfaghari Firouzsafari, **Mohammad Shakerkhatibi**, (2021). Estimating ammonia emissions from municipal wastewater treatment plant, The 5th International and 24th National Conference on Environmental Health, Kashan University of Medical Sciences Kashan, Iran on December 14-16, 2021.
- 2021 Zahra Sabeti, **Mohammad Shakerkhatibi**, Khalil Ansarin, Ensiyeh Seyedrezazadeh, Saeed Dastgiri, Akbar Gholampour, (2021). Short-term exposure to ambient fine particulate air pollution and sex differences in cardiorespiratory biomarker responses of healthy adolescents, The 5th International and 24th National Conference on Environmental Health, Kashan University of Medical Sciences Kashan, Iran on December 14-16, 2021.
- 2015 Mohammad Mosaferi, Nader Taghipour, **Mohammad Shakerkhatibi**, Reza Dehghanzadeh, Ehsan Ahmadi, (2015). Development of a novel submerged membrane electro-bioreactor with pre-anaerobic reactor containing anode electrode for wastewater treatment and fouling reduction, The 12<sup>th</sup> International Conference on Membrane Science & Technology, Tehran, Iran.
- 2015 M. Mosaferi, B. Ghoreishi, S. Derafshi, A. Khalafi, **M. Shakerkhatibi**, (2015). Environmental impact assessment of sulfur granulation unit in Tabriz oil refinery, 18<sup>th</sup> Congress of Environmental Health Engineering, Shiraz, Iran.
- 2015 B. Ghoreishi, M. Mosaferi, **M. Shakerkhatibi**, A. Abdoli Seilabi, H. Aslani, M. Dolatkhan, (2015). Occurrence of *Salmonella* in processed sludge of East Azerbaijan wastewater treatment plants, 18<sup>th</sup> Congress of Environmental Health Engineering, Shiraz, Iran.
- 2014 Z. Akbari, **M. Shakerkhatibi**, M. Mosaferi, N. Asl Rahnema Akbari, Z. Shiri, M.R. Farshchian, R. Akbari, (2014). Isolation and identification of dominant microorganisms from activated sludge treating ABS effluents, 17<sup>th</sup> Congress of Environmental Health Engineering, Bushehr, Iran.
- 2014 M. Mosaferi, **M. Shakerkhatibi**, R. Zaree, A. Eivazian Kari, R. Pourrajab, (2014). Evaluation of energy consumption and the optimization methods in a wastewater treatment plant, 17<sup>th</sup> Congress of Environmental Health Engineering, Bushehr, Iran.

- 2014 R. Yousefi, Kh. Zoroufchi Benis, A. Behnami, **M. Shakerkhatibi**, (2014). Estimation of styrene and acrylonitrile emissions from ABS unit of Tabriz petrochemical complex, 17<sup>th</sup> Congress of Environmental Health Engineering, Bushehr, Iran.
- 2014 R. Yousefi, Kh. Zoroufchi Benis, A. Behnami, **M. Shakerkhatibi**, (2014). Modeling of styrene and acrylonitrile dispersion from ABS unit of Tabriz petrochemical complex using ISCST3, 17<sup>th</sup> Congress of Environmental Health Engineering, Bushehr, Iran.
- 2013 B. Djahed, S. Naseri, F. Khalili Nadji, **M. Shakerkhatibi**, M.A. Baghapour, E. Shahsavani, (2013). Quality assessment of effluent treated at the Shiraz wastewater treatment plant using CWQI for irrigation purposes, 16<sup>th</sup> Congress of Environmental Health Engineering, Tabriz, Iran.
- 2013 Babak djahed, Fariba Khalili Nadji, **Mohammad Shakerkhatibi**, Esmaeil Shahsavani, Gholamhossein Djoshani, (2013). The application of activated carbon produced from used newspaper in the removal of methylene blue dye from aqueous solution: isotherm, kinetic and thermodynamic study, 16<sup>th</sup> Congress of Environmental Health Engineering, Tabriz, Iran.
- 2013 M. Mosaferi, **M. Shakerkhatibi**, S. Dastgiri, M. Asghari Jafarabadi, A. Khataei, S. Sheikholeslami, (2013). Survey of arsenic and hydrochemistry of drinking water in a city located at northwest of Iran, 16<sup>th</sup> Congress of Environmental Health Engineering, Tabriz, Iran.
- 2013 A. Azari, F. Khalili Nadji, R. Rezaei Kalantari, **M. Shakerkhatibi**, R. Nazari, E. Ahmadi Rajabi, (2013). Removal of phenol from water using activated carbon coated with zero valence iron nanoparticles, 16<sup>th</sup> Congress of Environmental Health Engineering, Tabriz, Iran.
- 2013 Y. Rasoulzadeh, V. Lotfi R. Gholamnia, F. Moatar, **M. Shakerkhatibi**, (2013). A qualitative study of the distribution of asbestos fibers in the air of Tabriz. 16<sup>th</sup> Congress of Environmental Health Engineering, Tabriz, Iran.
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