



Curriculum Vitae

Yousef Mohammadian

Personal Information

Assistant Professor of Occupational Health

Department of Occupational Health and Safety Engineering, Faculty of Health, Tabriz University of Medical Sciences, Tabriz, Iran

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Education

-B.Sc. of Occupational Health, Tehran University of Medical Sciences, Tehran, Iran, 2009

-M.Sc. of Occupational Health, Tehran University of Medical Sciences, Tehran, Iran, 2011

-Ph.D. of Occupational Health, Shahid Beheshti University, Tehran, Iran, 2018

Awards

-Ranking 4 in M.Sc. and Ph.D. degrees entrance exam

-The member of exceptional talents student of Shahid Beheshti University of Medical Sciences in Ph.D.

-Acquiring the title of active researcher in Urmia University of Medical Sciences

Professional Experiences

- Assistant Professor of Occupational Health, School of Public Health, Tabriz University of Medical Sciences, 2018
- Instructor of Occupational Health, Faculty of Health, Urmia University of Medical Sciences, 2011
- Advisor of talented students, Faculty of Health, Urmia University of Medical Sciences, 2011.
- Member of standard development of Iran Nanotechnology Innovation Council, 2016.

Teaching Experiences

- Occupational Toxicology, B.Sc. Students
- Occupational Toxicology, M.Sc. Students
- Applied Occupational Toxicology, M.Sc. Students
- Occupational Health Management, M.Sc. Students
- Occupational Health, B.Sc. Students
- Research Methodology, M.Sc. Students
- Modeling in Occupational Health, M.Sc. Students
- GIS and its Application in Occupational Health, M.Sc. Students
- Analysis and Evaluation of Air Samples, B.Sc. Students
- Evaluation of Air Samples, M.Sc. Students
- Principles of Occupational Health, M.Sc. Students
- Familiarity with Industries and Industrial Techniques, B.Sc. Students

Research Interest Keywords

- Occupational Toxicology (In vitro and In Vivo)
- Biological monitoring of air pollutants
- Health risk assessment of air pollutants
- Nano safety
- Nanotoxicology

Publications

Full papers published in journals

1. Torabi Y, Gilani N, **Mohammadian Y**, Esmaeili A. Designing and validating a questionnaire to investigate the effective factors on acceptance of HSE rules among employees. *Journal of Health and Safety at Work*. 2024, 10;14 (1):135-49.
2. Abouee-Mehrizi A, Soltanpour Z, **Mohammadian Y**, Sokouti A, Barzegar S. Health risk assessment of exposure to benzene, toluene, ethyl benzene, and xylene in shoe industry-related workplaces. *Toxicology and Industrial Health*. 2024, 40(1-2):33-40.
3. Sadeghi-Bazargani H, Malekpour F, **Mohammadian Y**, Jafari-Koshki T, Rezapour-Shahkolai F, Khansari M, Malekpour A, Marzroud MM. Seat belt use among rural non-drivers: the role of demographic and traffic-related variables: Seat belt use among rural non-drivers. *Journal of Injury and Violence Research*. 2024, 31;16(1).
4. Sajjad Yousefi, Hassan Aslani, Mohammad Shakerkhatibi, **Yousef Mohammadian**, Gholam Hossein Safari. Combined health risk assessment of organophosphates pesticide residues in. *International Journal of Environmental Analytical Chemistry*, 2024, 104(4), 900–915.
5. Dehghan G, Malekpour F, Jafari-Koshki T, **Mohammadian Y**, Rostami H. The status of work-related COVID-19 prevention measures and risk factors in hospitals. *Work*. 2024, 77(2), 445-453,
6. Khuniqui HN, Rasoulzadeh Y, **Mohammadian Y**. DNA damage in foundry workers using non-invasive micronucleus cytome assay. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*. 2023, 1;891:503686.
7. Soltanpour Z, Rasoulzadeh Y, Ansarin K, Seyedrezazadeh E, **Mohammadian Y**. Carcinogenic and non-carcinogenic risk of exposure to metal fume in different types of welding processes. *Environ Sci Pollut Res Int*. 2023, 30(35):83728-83734.
8. Soltanpour Z, Rasoulzadeh Y, Ansarin K, Seyedrezazadeh E, Jafarpour M, **Mohammadian Y**, Khuniqui HN. Micronucleus assay of DNA damage among welders: effects of welding processes. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*. 2023 1;887:503598.
9. Soltanpour Z, Rasoulzadeh Y, **Mohammadian Y**. Occupational exposure to metal fumes among Iranian welders: systematic review and simulation-based health risk assessment. *Biological Trace Element Research*. 2023, 201(3):1090-100.
10. Omari Shekaftik S, Jadid H, Dehdashti MJ, **Mohammadian Y**, Ebrahimi W. Toward a minimum data set for assessing the risks of activities involved with nanomaterials. *Journal of Nanoparticle Research*. 2023, 25(2):25.

11. Nasirzadeh N, **Mohammadian Y**, Fakhri Y. Concentration and cancer risk assessment of asbestos in Middle East countries: a systematic review-meta-analysis. *International Journal of Environmental Analytical Chemistry*. 2023, 26;103(2):255-69
12. Hesari RZ, Rasoulzadeh Y, **Mohammadian Y**, Nasirzadeh N. Cancer risk assessment of exposure to asbestos during old building demolition. *Work*. 2023, 1;74(4):1577-84.
13. Nazarparvar-Noshadi M, Yadegari M, **Mohammadian Y**, Fakhri Y. The exposure to BTEX/Styrene and their health risk in the tire manufacturing. *Toxin reviews*. 2022, 3;41(2):437-45.
14. Soltanpour Z, **Mohammadian Y**, Fakhri Y. The exposure to formaldehyde in industries and health care centers: A systematic review and probabilistic health risk assessment. *Environmental Research*. 2022, 1;204:112094.
15. Nasirzadeh N, **Mohammadian Y**, Dehgan G. Health risk assessment of occupational exposure to hexavalent chromium in Iranian workplaces: a meta-analysis study. *Biological Trace Element Research*, 2022; 200(4):1551-60.
16. Nasirzadeh N, **Mohammadian Y**, Rasoulzadeh Y, Azari MR, Khodaghali F. Toxicity of Carbon-Based Nanomaterials in the Human Lung: A Comparative In-Vitro Study. *Tanaffos*. 2022, 21(3):391.
17. Nasirzadeh N, Soltanpour Z, **Mohammadian Y**, Pourhasan B. Lung Cancer and Pleural Mesothelioma Risk Assessment for the General Population Exposed to Asbestos in Different Regions of Tehran, Iran. *Journal of Research in Health Sciences*. 2022, 22(4).
18. Nasirzadeh N, Soltanpour Z, **Mohammadian Y**, Mohammadian F. Risk assessment of silicosis and lung cancer mortality associated with occupational exposure to crystalline silica in Iran. *Journal of research in health sciences*. 2022, 22(2):e00550.
19. **Mohammadian Y**, Nasirzadeh N. Toxicity risks of occupational exposure in 3D printing and bioprinting industries: A systematic review. *Toxicol Ind Health*. 2021 Sep;37(9):573-584. doi: 10.1177/07482337211031691. Epub 2021. PMID: 34399648.
20. Soltanpour, Z., **Mohammadian, Y.**, Fakhri, Y. The concentration of benzene, toluene, ethylbenzene, and xylene in ambient air of the gas stations in Iran: A systematic review and probabilistic health risk assessment, *Toxicology and Industrial Health*, 2021, 37(3), 134-141
21. Malekpour F, Ebrahimi H, Yarahmadi R, **Mohammadin Y**, Kharghani Moghadam SM, Soltanpour Z. Prevention measures and risk factors for COVID-19 in Iranian workplaces. *Work*. 2021, 69(2):327-30.
22. Athena Rafieepour, Mansour R Azari, Jalal Pourahmad Jaktaji, Fariba Khodaghali, Habibollah Peirovi, Yadollah Mehrabi, Yousef **Mohammadian**, The Effect of Particle Size on the

Cytotoxicity of Amorphous Silicon Dioxide: An in Vitro Toxicological Study, 2021.22 (2), 325-332

23. Hoosein Ebrahimi, Rasoul Yarahmadi , Seyedeh Melika Kharghani Moghadam , Fatemeh Malekpour, Zahra Nasezadeh , Ehsan Taheri , **Yousef Mohammadian**, Investigating the status of prevention of coronavirus in industries, *ioh*. 2020; 17 (S1) :1-8

24. N Nasirzadeh, Y Rasoulzadeh, M Rezazadeh Azari, **Y Mohammadian**. Cellular Toxicity of Multi-walled Carbon Nanotubes on Human Lung Cells, *Journal of Chemical Health Risks*, 2020, 10(2) ,135-144.

25. Nazarpour-Noshadi, M., Ezzati Nazhad Dolatabadi, J., Rasoulzadeh, Y, **Mohammadian Yousef**. Apoptosis and DNA damage induced by silica nanoparticles and formaldehyde in human lung epithelial cells. *Environ Sci Pollut Res*, 2020, 27, 18592–18601.

26. Azari, Mansour Rezazadeh, **Yousef Mohammadian**, Jalal Pourahmad, Fariba Khodagholi, and Yadollah Mehrabi. "Additive toxicity of Co-exposure to pristine multi-walled carbon nanotubes and benzo α pyrene in lung cells." *Environmental Research*, 2020, 109219.

27. Rezazadeh Azari M, **Mohammadian Y**. Comparing in vitro cytotoxicity of graphite, short multi-walled carbon nanotubes, and long multi-walled carbon nanotubes. *Environmental Science and Pollution Research*. 2020, 27(13):15401-6.

28. Rafieepour, Athena, Mansour R. Azari, Habibollah Peirovi, Fariba Khodagholi, Jalal Pourahmad Jaktaji, Yadollah Mehrabi, Parvaneh Naserzadeh, and **Yousef Mohammadian**. "Investigation of the effect of magnetite iron oxide particles size on cytotoxicity in A549 cell line." *Toxicology and Industrial Health*, 2019, 35(11-12): 703-713.

29. Rezazadeh Azari M, **Mohammadian Y**, Pourahmad J, Khodagholi F, Peirovi H, Mehrabi Y, Omidi M, Rafieepour A. Individual and combined toxicity of carboxylic acid functionalized multi-walled carbon nanotubes and benzo a pyrene in lung adenocarcinoma cells. *Environmental Science and Pollution Research*. 2019, 1;26:12709-19.

30. Mohammadian Y, Rezazadeh Azari M, Peirovi H, Khodagholi F, Pourahmad J, Omidi M, Mehrabi Y, Rafieepour A. Combined toxicity of multi-walled carbon nanotubes and benzo [a] pyrene in human epithelial lung cells. *Toxin Reviews*. 2019, 3;38(3):212-22.

31. Nasirzadeh N, Azari MR, Rasoulzadeh Y, **Mohammadian Y**. An assessment of the cytotoxic effects of graphene nanoparticles on the epithelial cells of the human lung. *Toxicology and Industrial Health*. 2019, 35(1):79-87.
32. Rohallah Fallah Madvary, **Yousef Mohammadian**, Alireza Fallah Madvary, Kamran Najafi, Vali Sarsangi, Fereydoun Laal, The Effect of Integrated Management System on Risk Priority Number of Environmental Assessment by FMEA Method in Yazd Persepolis Tile Factory, *Journal of Disaster and Emergency Research*. 2018, 1(1): 23-28.
33. Fereydoon Laal, Saber Moradi Hanifi, **Yousef Mohammadian**, Rohollah Fallah Madvari, Investigating the Causes of the Incidents and Monitoring the Safety System before and after the Implementation of OHSAS 18001 in a Combined Cycle Power Plant, *Archives of Occupational Health*. 2018, 2(4): 233-239.
34. Fallah Madvari R, Fallah Madvari A, Mosafarkhani M, **Mohammadian Y**, Laal F. Risk Assessment by FMEA Method and the Impact of Deploying an Integrated Management System (IMS) Risk Priority Number (RPN). *Occupational Health and Health Promotion*. 2018, 2 (1): 32-39 (In Persian).
35. Ismael Javadi, **Yosef Mohammadian**؛ Behzad heybati, Sima Elyasi, Occupational Exposure of Shahindej City Refueling Stations Workers to BTEX Compounds, in 2016, *Journal of Research in Environmental Health*. 2017, 3(1): 74-83 (In Persian).
36. Vaziri M, Malekpour A, Malekpour F, **Mohammadian Y**. Assessment correlation between job psychosocial stressor's and performance among Hashtrood school teachers in 2016. *pajoohande*. 2016, 21 (3): 146-152 (In Persian).
37. Jafari S, Ansari H, Raei T, **Mohammadian Y**, Hajizadeh R, Fazli B. Survey of Noise-Induced Hearing Loss among Fereidonkener Taxi Drivers in 2013. *j.health*. 2016, 7 (1), 51-57 (In Persian).

38. Barkhordari A, Halvani GH, **Mohammadian** Y, Ghasemi M, Fazli uchhesar B, Risk assessment of Human error and Provide Corrective Actions in Combined cycle power plant Using Systematic Human error Reduction and Prediction Approach SHERPA Method. TB. 2015, 13 (6): 46-56 (In Persian).

39. Yousef Mohammadian, Fatemeh Malekpour, Alireza Malekpour, Soudabeh Zoghipour, Karim Malekpour. Study on Mental Workload of Teachers and Its Correlation with Their Quality of Life, J. Educ. Manage. Stud. 2015, 5(2):144-149.

40. Fatemeh Malekpour, Golnar Mehran, **Yousef Mohammadian**, Vahideh Mirzaee, Alireza Malekpour. Assessment of mental workload in teachers of Hashtrud city using NASA-TLX mental workload index. pajoohande. 2014, 19 (3), 157-161 (In Persian).

41. Malekpour F, **mohammadian Y**, mohamadpour Y, fazli B, hassanloei B. ASSESSMEN OF RELATIONSHIP BETWEEN QUALITY OF LIFE AND MENTAL WORKLOAD AMONG NURSES OF URMIA MEDICAL SCIENCE UNIVERSITY HOSPITALS. J Urmia Nurs Midwifery Fac, 2014, 12 (6), 499-505(In Persian).

42. Malekpour F, **Mohammadian Y**, Malekpour A, Investigation of the Relationship between Personalities and Attitude to Safety of Taxi Drivers, Safety Promotion and Injury Prevention. 2014, 2(32), 204-208 (In Persian).

43. Vaziri M, Malekpour F, **Mohammadian Y**, Malekpour A. ASSESSMENT OF ATTITUDE TO SAFETY AND OCCUPATIONAL HEALTH AND OBSERVANCE OF THEM IN SCHOOL MANAGERS. J Urmia Nurs Midwifery Fac. 2014, 12 (5), 373-378 (In Persian).

44. Malekpour F, **Mohammadian Y**, Moharampour A, Malekpour A. Assessment impact of musculoskeletal disorders and physical activity on quality of life automobile factory workers. J Ergon. 2014, 2 (1): 19-26 (In Persian).

45. Malekpour F, **Mohammadian Y**, Malekpour A, Mohammadpour Y, Sheikh Ahmadi A, Shakarami A. ASSESSMENT OF MENTAL WORKLOAD IN NURSING BY USING NASA-TLX. J Urmia Nurs Midwifery Fac. 2014, 11 (11): 899-892 (In Persian).
46. Hosseinpour S, GholamiBorujeni F, **Mohammadian Y**. MODELING OF RELATIONSHIP BETWEEN VENTILATION RATE OF BUILDINGS AND SICK BUILDING SYNDROME SYMPTOMS. J Urmia Nurs Midwifery Fac. 2014, 11 (10): 765-772 (In Persian).
47. Kakoei H, Nourmohammadi M, **Mohammadian Y**, Zarei E, Zokaei M. Assessment of occupational exposure to crystalline silica during demolition of buildings in Tehran. Iran Occupational Health, 2014, 11 (2): 63-69 (In Persian).
48. Khalafi A, **Mohammadian Y**, Malekpour F, malekpour A, Sarfaraz D, Zeynelzadeh. Relationship between attitude to safety and dangerous behaviors of interior taxi drivers of Urmia city. Journal of Torbat Heydariyeh University of Medical Sciences. 2013, 1 (3): 43-50 (In Persian).
49. **Yousef Mohammadian**, Seyed Jamaledin Shahtaheri, Ali Akbar Saboor Yaraghi, Hossein Kakoei & Mohammad Hajaghazadeh, Cytotoxicity of single-walled carbon nanotubes, multi-walled carbon nanotubes, and chrysotile to human lung epithelial cells. Toxicological & Environmental Chemistry, 2013, 95(6): 1037-1047.
- 50. Mohammadian Y**, Shahtaheri S J, Sabour yaraghi A A, Kakoei H, Hajaghazadeh M. Determination of toxicological indexes of carbon nanotubes and Chrysotile according to in vitro cytotoxicity on Human Lung epithelium cells. sjsph. 2013, 10 (4): 33-44 (In Persian).
51. Mohammad Hajaghazadeh, **Yousef Mohammadian**, Mohammad Normohammadi, Mehdi Zare. An ergonomic study in building demolition: Assessment of musculoskeletal disorders risk factors by PATH method, International Journal of Environmental Health Engineering, 2012, 1, 43.
52. **Yousef Mohammadian**, Fatemeh Malekpour, Alireza Malekpour, Sajad Slimi, Alireza Sarkari, Study of relationship between personality, attitudes to safety and risky behavior among

motorcycle drivers in Tehran city. *Journal of Health and Safety at Work*. 2012; 2 (2): 61-68 (In Persian).

Papers Presented in National & International Conferences

1. Yousef Mohammadian, Mansour Rezazadeh Azari, Toxicity interaction between nanoparticles and air contaminants in mixture exposure, 2nd international nanomedicine and nanosafety conference, Tehran University of Medical Sciences, 2017.

2. Yousef Mohammadian, Mansour Rezazadeh Azari, Co-exposure toxicity of multi walled carbon nanotubes and benzo [a] pyrene in human epithelial lung cells, 2nd international nanomedicine and nanosafety conference, Tehran University of Medical Sciences, 2017.

3. Fatemeh Malekpour, **Yousef Mohammadian**, Safety and health of working with nanoparticles in manufacturing centers, research laboratories, The 10th Student Conference of the Newest, Shahid Beheshti University of Medical Sciences, 2016.

4. Mohammad Nourmohammadi, Hosein Kakoei, **Yousef Mohammadian**, Evaluation of workers exposed to free silica in the process of building demolition in Tehran, 8th Congress of Occupational Health and Safety, Mazandaran University of Medical Sciences, 2013.

5. Yousef Mohammadian, Seyed Jamaledin Shahtaheri, Investigation of the toxicity of native nanotubes carbon nanoparticles and chrysotile in human lung epithelial cells as in vitro, The 10th Student Conference of the Newest, Shahid Beheshti University of Medical Sciences, 2011.

6. Yousef Mohammadian, Comparison of toxicity of nanotube carbon nanoparticles with asbestos, National Conference of standard and safety in nanotechnology, Iranian research center of Polymer and petro chemistry, 2010.

7. Yousef Mohammadian, Fatemeh Malekpour, Study of relationship between attitudes to safety and risky behavior among taxi drivers in Urmia city, The 13th International Conference on Traffic and Transportation Engineering, Milad twoer, Tehran, 2010