

**Dr. Zahra Zamanian**

Department of Occupational Health and Safety Engineering

Department of Ergonomics

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**Qualifications**

BSc Degree in occupational Health Engineering

Tehran University of Medical Sciences

Tehran, Iran

Master of Occupational Health Engineering

Tehran University of Medical Sciences

Tehran, Iran

PHD in Occupational Health Engineering

Tehran University of Medical Sciences

Tehran, Iran

**Professional Experiences**

Member of Health Research Center of Shiraz University of Medical Sciences 2014

Member of Publication Committee of School of Public Health 2014

Head of the Student Research Committee of the School of Public Health 2014

Member of the Student Consultative Committee of the School of Public Health 2014

Member of the Cultural Council of the School of Health and Nutrition, 2011

Member of the Vulnerable Student Counseling Committee

Research Deputy of School of Public Health 2014

**Courses Though**

1. Lighting PhD students in Occupational health engineering
2. Psycho acoustics PhD students in Occupational health engineering
3. Design of cold control and humidity control systems MSc students in Occupational health engineering
4. Designing sound and vibration control systems in the industry MSc students in Occupational health engineering
5. Lighting design in the work environment MSc students in Occupational health engineering
6. Thermal stress in the workplace BSc students in Occupational health engineering
7. Lighting in the work environment BSc students in Occupational health engineering
8. Lighting design in the work environment BSc students in Occupational health engineering
9. Sound and vibration in the work environment BSc students in Occupational health engineering
10. Design of sound control systems BSc students in Occupational health engineering
11. Environmental ergonomics BSc students in Occupational health engineering
12. Work Physiology BSc students in Occupational health engineering
13. Thermal stress in the workplace BSc students in Occupational health engineering

14. Public health BSc students in Occupational health engineering
15. Identification of physical factors BSc students in Occupational health engineering
16. Sound and vibration in the industry BSc students in Occupational health engineering
17. Safety in the hospital BSc students in Occupational health engineering
18. Sound and vibration control BSc students in Occupational health engineering
19. Organization and health services BSc students in Occupational health engineering
20. Air pollution and noise pollution BSc students in Occupational health engineering
21. Apprenticeship in the field BSc students in Occupational health engineering

### **Research Interest**

Ergonomics and human engineering (environmental ergonomics)

Noise and vibration

Heat and Humidity

### **Scientific Presentation**

1. Constant Development and Health Conference, Tehran/ Iran, 27 Dec.1998 “Indoor Air Quality”
2. Medical Education Seminar, Shiraz/Iran, 31 May-3 Jun 1999 “Occupational Health”
3. Medical Education Seminar, Shiraz/Iran, 19-22 Sep 1999 “Ergonomics”
4. Health and its Effects on Development, Tehran/Iran, 26-27Feb 2000 “Relation between Health and Hygiene in Development”
5. Environmental Health Conference, Tehran/Iran, 16 Dec 2001 “Noise and its Effects on Human Health and Environment”
6. Environmental Health Conference, Zahedan/Iran, 28 Oct. 2008 “Survey on noise effects on Steel Industry Workers”
7. Assessment of hearing loss caused by noise in the bus drivers and effect on blood pressure, national congress of occupational health & safety ,3-5 may 2011
8. 24-hour secretion of melatonin hormone in shift work nurses, National Health and Safety Conference, May 10, 2009
9. Effect of Electromagnetic Circuits on Mental Health Status of Employees Employed in Shiraz Power Plants, General Conference on Health and Safety at Work, May 10, 2009
10. The study of safety status and fire awareness in hospitals affiliated to Shiraz University of Medical Sciences, Health and Safety Improvement Conference, July 30, 2009
11. Determination of Work-related Disturbances in Shiraz Fire Fighting Personnel, Conference on Promoting Health and Safety of the Environment, July 30, 2009
12. Assessment of air pollutants (NO<sub>2</sub>CO) in the subway of Zand Shiraz, Shahrzaneh and Health Hospital, April 2010
13. Evaluation of hearing loss caused by noise in drivers of Shiraz Branch Bus Company and Voice Effect on Blood Pressure, Urbanization and Health Conference, May 2010
14. Investigation of disturbances caused by shifts in health personnel of Shiraz University of Medical Sciences hospitals, 1st Congress of Occupational Medicine and Occupational Health in Oil Industry, Tehran, May 2010

15. Investigating the Observance of Safety Principles in Namazi Hospitals, Shahid Faghihi and Shahid Beheshti Hospitals, Health Work Conference, July, 2010
16. The study of the relationship between work shift and occupational stress with the prevalence of occupational accidents in a rubber industry in Shiraz, Salman University of Technology, July 2010
17. Assessment of the perception of occupational safety symptoms in employees of the wool glass company in Shiraz, Salm Work Conference, Tir, 2010
18. Evaluation of safety culture of telecommunication factory workers in Iran, Healthy Workers Conference, July, 2010
19. Investigating the effect of temperature on the successive discontinuous aerobic reactor (ASBR) in the treatment of synthetic sewage treatment with duct wastewater for the application of effluent in agriculture. Second National Seminar: Recoverable and Recoverable Water in Water Resources Management - Applications in Agriculture and Greenfield, Oct. 28, 2010
20. Investigating the Relationship between Cholesterol Elements and Air Pollutants with Deaths Caused by Cardiovascular and Respiratory Diseases, 13 th National Conference on Environmental Health in Iran - Kerman, November 2010
21. Effects of Contaminant Factors on Waste Landfill in Shiraz, Physical and Chemical Pollution of Groundwater Resources, 13 th National Conference on Environmental Health in Iran - Kerman, November 2010
22. Proper survey of landfill location in Shiraz with Alkenoo index, 13 th National Conference on Environmental Health of Iran - Kerman, November 2010
23. Urban wastewater treatment plant of Marvdasht city, Fars province, on airborne lagoon method, to provide an outlet pattern for the application of wastewater in green space, second national seminar: Recyclable water and wastewater management in water resources management - Applications in agriculture and green space, Oct. 28 Month of 1389
24. Evaluation of Musculoskeletal Disorders of Shiraz University of Medical Sciences Faculty Members, 3rd Healthy Work Festival, Feb. 29 and 30, 2011
25. Evaluation of microbial and chemical quality of bottled waters in Fars province 2011, National Conference on Health and Safety of Food
26. The Effect of Lighting on Educational Classes on the Posture of Students of English Language Schools in Shiraz, 1389, International School of Health, September 27, 2011, Shiraz, Iran
27. The prevalence of musculoskeletal pain and its related factors in 12-12 year old students in Shiraz, 2011, International Health School Seminar, October 27, 2011, Shiraz, Iran
28. Assessment of Job Satisfaction and Type of Personality of Staff of Telecommunication Firms of Iran, 2010, Third, Healthy Workshops, 29 and 30 February 2011
29. Presentation of a model for identifying the dominant audio source in the sugar industry Sugar industry, Seventh National Conference on Health and Safety, May-2011
30. Investigation of noise caused by urban traffic and its effect on the hearing rate of police officers stationed in the streets of Shiraz, Fars province scientific congress, order and security (Police Farsi), Shiraz - 11 and 12 February 2011
31. Evaluation of prevalence of musculoskeletal disorders and its related factors in Jam Petrochemicals using QEC method, third healthy work festival, 29 and 30 February 2011
32. The relationship between intensity of illumination and occupational stress in dentists in Shiraz, 2012, 3rd National Conference on Ventilation and Industrial Hygiene, December 12-13, 2012
33. The effects of occupational exposure to noise on serum cortisol levels and some blood parameters of steel industry workers, third national conference on ventilation and industrial production, December 12-13, 2012

34. The Relationship between Voice and Job Stress in Dentists in Shiraz, 2012, 3rd National Conference on Ventilation and Industrial Safety, December 12-13, 2012
35. The effects of noise on the work environment on the blood pressure and heart rate of workers in a steel industry, the third national conference on ventilation and industrial production, December 12-13, 2012
36. Occupational Accident Investigating the Construction Industry of Khorramabad City, Third National Conference on Air Conditioning and Industrial Habitat, December 12 to 13, 2012
37. Evaluating the Efficiency of Electrocoagulation Process in Nitrate Removal from Aqueous Solutions, Fifteenth National Conference on Environmental Health, Gilan, Nov. 2012
38. Ergonomic Evaluation of the Risk of Musculoskeletal Disorders (RULA Method) in a Computer Manufacturing Industry, National Conference - Student Health, Today's Strength, Future Need, 1391
39. Efficiency Evaluation of Shiraz Urban Wastewater Treatment Plant on the Degradation of Oil, Fat, Grease, Fifteenth National Conference on Environmental Health, Gilan, Nov. 2012
40. Ergonomic evaluation of the risk of skeletal and musculoskeletal disorders in the dairy factory staff, national congress - student health, today's effort, future need, 2012
41. A survey on the correct management pattern of reuse of treated waste water for boilers in Narges Vegetable Oil Plant in Shiraz, 15th National Conference on Environmental Health, Gilan, Nov. 2012
42. Evaluation of Radioactive Waste Management in Nuclear Medicine of Namazi Hospital of Shiraz and Methods to Improve it, The 15th National Conference on Environmental Health, Gilan, Nov. 2012
43. Investigating incidents in one of the industrial units on incident talent theory. Fourth National Conference on Air Conditioning and Industrial Hygiene, 26th and 27th of Mehr 1393
44. Evaluation of the risk of skeletal musculoskeletal disorders by QEC method at workers of a sugar factory. Fourth National Conference on Air Conditioning and Industrial Hygiene, 26th and 27th of Mehr 1393
45. Investigating the effects of short-term exposures with ambient noise on the level of blood pressure and heart rate in the steel industry workers. Fourth National Conference on Air Conditioning and Industrial Hygiene, 26th and 27th of Mehr 1393
46. Evaluation of noise pollution in Shiraz hospitals. Fourth National Conference on Air Conditioning and Industrial Hygiene, 26th and 27th of Mehr 1393
47. Health Impact Assessment of Occupational Exposure to Steel Industry Welders with UV Spirits. Fourth National Conference on Air Conditioning and Industrial Hygiene, 26th and 27th of Mehr 1393
48. Right-of-the-art workplace safety signs. Fourth National Conference on Air Conditioning and Industrial Hygiene, 26th and 27th of Mehr 1393
49. Investigation of fire safety status in hospitals of Shiraz University of Medical Sciences, 17th National Conference on Environmental Health
50. Sampling to determine the amount of air pollutants in the underpass of one of the streets of Shiraz. 17th National Conference on Environmental Health. 18-20 1393
51. Jahangiri, M, J. Choobineh, A., Karimi, A., Zamanian, Z., Naghab, M., Scientist, H., Alaali, M., Jafari, S., Sarvestani, S. Design and implementation of a comprehensive apprenticeship program in industry-specialist undergraduate students in Occupational Health Engineering. The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
52. Zamanian, Z., Hassanpour, F., Alvandi, M., Scientist, E. Evaluation of the risk of musculoskeletal disorders using RULA in drivers with more than 4 hours of driving per day. The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.

53. Zamanian, Z., Jabbari, Z., Honarbakhsh, M., Scientist, E. Investigating the relationship between general health and musculoskeletal disorders in Shiraz city. The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
54. Zamanian, Z., Henbarshah, M., Jabbari, Z., Scientist, E. Evaluation of the intensity of light and the prevalence of musculoskeletal disorders in the heath. The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
55. Zamanian, Z., Jabbari, Z., Honarbakhsh, M., Scientist, e. Measurement of the risk of Musculoskeletal Disorders by Muscular Fatigue Assessment (MFA) in Khayatan, 1393. Ninth General Conference on Occupational Health and Safety. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
56. zamanian, Z., Ranjbar, M \*. Evaluation of Brightness, Musculoskeletal Disorders and BMI of High School Students in Shiraz, 1393. Ninth General Conference on Occupational Health and Safety. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
57. Kohi Bushehri, Sh \*., Zamanian, Z. Investigating the Relationship between Personality Characteristic of Resilience and Burnout with the Mediating Role of Emotional Intelligence in Shiraz Guardians-1393. The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
58. Abdi, A \*., Zamanian, Z. Investigating the ergonomic aspects of the operons used in the radiology departments. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
59. Monazzam, Mrs., Najafi, K., Zamanian, Z., Khosravi, J., Jalilian, H. Assessing the occupational exposure of Tehran metro directors to magnetic fields at extremely low frequencies. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
60. Zamanian, Z., Mountaineer, B., Pourkar, P., Pirjami, H., Abdollahi, M., Azad, P. Investigation of noise pollution caused by traffic and its effect on the quality of life of citizens. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
61. Zamanian, Z., Azad, P., Ghadiri, F., Bahrami, S., Kohnavard, B. The Relationship between Job Stress and Local Effects of Sound and Lighting in Dentists in Public and Private Centers. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
62. Zamanian, Z., Kohnavard, B., Roshani Sarvestani, M., Sadaqati, M., M. Qumiri, M., Azad, P. The Relationship between Job Satisfaction and Workload of Professors and Employees of Shiraz University of Medical Sciences and Shiraz University. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
63. Zamanian, Z., Azad, P., Maleki, B., Ashrafi, F., Ahmadvand, L., Hiker, B. Evaluation and evaluation of audio disturbance among staff of academic and non-academic hospitals in Shiraz in 2013. The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
64. Mirzai Tusi, Q., Zamanian, Z. The effect of shift work and mental load on the work of the nurses' fatigue in the intensive care unit. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd

65. Mirzai Tusi, Q., Zamanian, Z. Investigating the relationship between the type of work-shift program and its fatigue using the FAID model. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
66. Amiri, F., Zamanian, Z., Jafari, F., Jalvand, AS. Evaluation of noise pollution in hospitals in Shiraz. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
67. Amiri, F, Zamanian, Z., Manny, A., Hassanzadeh, J. Effects of exposure to sound, heat and light on cognitive function. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
68. Zamanian, Z., Azad, P., Fallahi, F., Ahmadi, M., Tabatabaei, H., Mountaineer, B. The relationship between hearing loss and noise-induced hypertension in bus drivers. . The 9th National Conference on Occupational Safety and Health. 20th and 21st of Khordad 1394. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
69. Afzali, Z., Prokar, P., Pirjami, H., Abdollahi, M., Mountaineer, B., Zamanian, Z. Study of noise pollution caused by traffic and its effect on sleep disorders of citizens of Shiraz. The 16th Annual National Congress and the 6th International Congress of Medical Students in Iran. Sep 8-11
70. Zamanian, Z., Khajehnsari, F. Evaluating the Effects of Health Improvement and Stress on the Buses. Eighties of the National Environmental Health Conference - Shiraz-Azar 1394
71. Zamanian Z., Khajehnsari, F. Determine the number of employees who work at the factory. Eighteenth National Conference on Environmental Health - Shiraz-Azar 1394
72. Zamanian, Z., Khajehnsari, F. A review of the evaluation of the training of staff in hospitals and non-university staffs. Eighteenth National Conference on Environmental Health - Shiraz-Azar 1394
73. Evaluation of musculoskeletal disorders in the greenhouse staff of the gas refinery, Hossein Molaifar, Hadi Daneshmandi, Zahra Zamanian, Alireza Najumi, Mohammad Ali Gholami, Hossein Mehrabanjad, Seyyed Mansour Soltaninia, Professor of Occupational Health Engineering, Rasht University of Medical Sciences, 2017
74. Assessing the effects of simultaneous exposure to noise and changing physical workloads on the number of errors and speed of work using the continuous performance test, Hossein Molaifar, Zahra Zamanian, Arash Mani, Mohammad Faravari, Professor of Occupational Health Engineering, Rasht University of Medical Sciences, 2017
75. Evaluation of the effects of simultaneous exposure to noise and physical load disruption on heart rate in four different combinations: experimental study Hossein Molayefar, Zahra Zamanian, Mohammad Faravouei, Occupational Health Engineering Conference, Rasht University of Medical Sciences, 2017
76. Investigation and Prioritization of Sound Control Methods in a Textile Industry Using the Fuzzy and Topsis Analytical Hierarchy Process (FAHP and TOPSIS) Hossein Molaifar, Zahra Zamanian, Mansoureh Dehghani, Zeynab Jabari, Fazel Rajabi, Khani Mousallo Improvement, Rasht University of Medical Sciences, 2017
77. Investigating the relationship between mental health and burnout in a gas refinery Hossein Molayefar, Zahra Zamanian, Alireza Najumi, Mohammad Ali Gholami, Jafar Amir Vadaei, Hossein Mehrabanjad, Professor of Occupational Health Engineering, Rasht University of Medical Sciences, 2017
78. Evaluation of the effects of exposure to sound, heat and physical load on body temperature: A laboratory study under the control of Hossein Molaifar, Zahra Zamanian, Arash Mani, Mohammad Faravouei, Occupational Health Engineering Conference of Rasht University of Medical Sciences, 2017
79. Investigation of the effect of combined heat and physical load shift on functional indicators (memory and attention): a laboratory-controlled study Hossein Molaifar, Zahra Zamanian,

Mohammad Faravari, Arash Mani, Professor of Occupational Health Engineering, Rasht University of Medical Sciences, 2017

## Publications

- 1- [Mental Health Survey on Shift Work Nurses in Shiraz Province, Iran.](#)  
Z Zamanian Ardakani, H Kakooei, SMT Ayattollahi, SM Karimian, ...  
Journal of School of Public Health & Institute of Public Health Research 5 (4), 2008.
- 2- [Twenty Four-hour circadian melatonin profile among women shift work nurses](#)  
H Kakooei, Z ZamanianArdakani, SM Karimian, ST Ayattollahi  
J Adv Med Biomed Res 17 (68), 75-84, 2009
- 3- [Twenty four hours circadian cortisol profile in shift work nurses](#)  
H Kakooei, Z Zamanian Ardakani, M Karimian, T Aytollahi  
Armaghane danesh 14 (1), 47-56, 2009
- 4- [The effect of bright light on physiological circadian rhythms and subjective alertness of shift work nurses in Iran](#)  
H Kakooei, Z Zamanian Ardakani, M Taghi Ayattollahi, M Karimian, ...  
International journal of occupational safety and ergonomics 16 (4), 477-485, 2010.
- 5- [Effects of magnetic field on mental health staff employed in gas power plant, Shiraz, 2008.](#)  
Z Zamanian, F Khajenasirie, S Gharepoor, M Dehghany  
Iran Occupational Health 7 (3), 2010.
- 6- [A study of daily profile secretin of melatonin in shift work femail nurses](#)  
H Kakooei, Z Zamanian, SM Ayattollahi  
J Zanjan Med Sci 17, 45-54, 2010.
- 7- [5. AH Davoudian talab, H. Aghaei,\[Comprehension of workplace safety signs: a case study in an industrial company in Shiraz\]. Z Zamanian, M Jahangiri, MA Nowrouzi, A Afshin, A Nemati](#)  
J. Health and Safety at Work 1 (1), 47-52, 2011
- 8- [Investigation of the effect of noise exposure in the workplace on the general health of steel industry workers](#)  
R ROSTAMI, Z ZAMANIAN, J HASANZADEH  
INTERNATIONAL JOURNAL OF OCCUPATIONAL HYGIENE 5 (2), 53-55, 2013.
- 9- [The Effect of Exposure to High Noise Level on the Performance and Rate of Error in Manual Activities](#)  
A ZAMANIAN, Z ZAMANIAN, J HASSANZADEH  
HEALTH SYSTEM RESEARCH 9 (3), 286-293, 2013.
- 10- Khajehnasiri F, Akhondzadeh S, Mortazavi SB, Allameh A, Sotoudeh G, Khavanin A, et al. Are Supplementation of Omega-3 and Ascorbic Acid Effective in Reducing Oxidative Stress and Depression among Depressed Shift Workers? International journal for vitamin and nutrition research Internationale Zeitschrift fur Vitamin- und Ernährungsforschung Journal international de vitaminologie et de nutrition. 2016:1-12.
- 11- Dehghani M, Nasserli S, Amin SA, Zamanian Z. Assessment of atrazine distribution in Shiraz soils, south of Iran. Pakistan Journal of Biological Sciences. 2010;13(2):66-72.

- 12- Asmand E, Zamanian Z, Mortazavi S. Assessment of health consequences of occupational exposure to ultraviolet radiation in steel industry welders. *Armaghane-danesh*. 2014;19(7).
- 13- Zamanian Z, Mortazavi SM, Asmand E, Nikeghbal K. Assessment of Health Consequences of Steel Industry Welders' Occupational Exposure to Ultraviolet Radiation. *Int J Prev Med*. 2015;6:123.
- 14- Jalilian H, Najafi K, Monazzam M, ... Assessment of static and extremely low frequency magnetic fields in the electric-powered trains: An environmental and occupational perspective: *ijoh.tums.ac.ir*; 2017.
- 15- Nikravesht A, Zamanian Z, Monazzam MR. Assessment of the effect of short-term exposure with vibration in different acceleration and frequencies of 3-7Hz on cognitive abilities attention. *J Health Syst Res* 2013;9(12).
- 16- Dehghani M, Tex F, Zamanian Z. Assessment of the potential of scale formation and corrosivity of tap water resources and the network distribution system in Shiraz, south Iran. *Pakistan Journal of Biological Sciences*. 2010;13(2):88-92.
- 17- Zamanian Z, Sarvestani MR, Sedaghati M, Ghatmiri M, Kouhnavard B. Assessment of the Relation between Subjective Workload and Job Satisfaction in University Faculty and Staff. *Journal of Ergonomics*. 2016;3(4).
- 18- Dehghani M, Nasserli S, Zamanian Z. Biodegradation of alachlor in liquid and soil cultures under variable carbon and nitrogen sources by bacterial consortium isolated from corn field soil. *Journal of Environmental Health Science and Engineering*. 2013;10(1).
- 19- Yousefinejad S, Eftekhari R, Honarasa F, Zamanian Z, Sedaghati F. Comparison between the gas-liquid solubility of methanol and ethanol in different organic phases using structural properties of solvents. *Journal of Molecular Liquids*. 2017;241:861-9.
- 20- Zamanian Z, Afshin A, Davoudiantalab AH, Hashemi H. Comprehension of workplace safety signs: A case study in Shiraz industrial park. *Journal of Occupational Health and Epidemiology*. 2013;2(1):37-43.
- 21- Dehghani M, Zamanian Z, Azadbakht P, Pakizehkhoo R, Hashemi H. The Correlation of Shiraz Air Pollutants on the Hospital Admission Due to the Cardiopulmonary Disease in Shiraz Selective Educational Hospitals. *J Health Syst Res* 2013;9(8).
- 22- Dehghani M, Omrani R, Zamanian Z, Hashemi H. Determination of DMFT index among 7-11 year-old students and its relation with fluoride in Shiraz drinking water in Iran. *Pakistan Journal of Medical Sciences*. 2013;29(1 SUPPL.):373-7.
- 23- Balandeh T, Zamanian Z. Determination of the Static Anthropometric Characteristics of Iranian Microscope Users Via Regression Model: *jhsss.sums.ac.ir*; 2016.
- 24- ZAMANIAN Z, RIAEI S, KAVEH N, KHOSRAVANI A, ... DETERMINING THE PREVALENCE OF DEPRESSION AND ITS ASSOCIATED FACTORS IN STUDENTS OF SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, IRAN: *en.journals.sid.ir*; 2016.
- 25- Z Z, A G, F A. Determining the Relationship between Carrying School bags and Musculoskeletal Pains in 12-15 year old students *Armaghane-danesh*. 2014;19(9).
- 26- Zamanian Z, Riaee S, Kaveh N, Khosravani A, Daneshmandi H. Determining the Prevalence of Depression and its Associated Factors in Students of Shiraz University of Medical Sciences, Iran. *Journal of Health System Research*. 2016;12(1).
- 27- Zamanian Z, Kakooei H, Ayattollahi SMT, Dehghani M. Effect of bright light on shift work nurses in hospitals. *Pakistan Journal of Biological Sciences*. 2010;13(9):431-6.



- 28- Zamanian A, Zamanian Z, Hassanzadeh J. The Effect of Exposure to High Noise Level on the Performance and Rate of Error in Manual Activities. *tahghighate-nezam-salamat*. 2012;9(3).
- 29- ZAMANIAN A, ZAMANIAN Z, HASSANZADEH J. The Effect of Exposure to High Noise Level on the Performance and Rate of Error in Manual Activities: *en.journals.sid.ir*; 2013.
- 30- Z Z, R R, J H, H H. The Effect of Occupational Noise Exposure on Blood Pressure and Heart Rate among Workers of a Steel Industry. *salamat v behdasht*. 2013;5(4).
- 31- Zamanian Z, Golmohamadi R, Abedini R, Hossinzadeh K, Soltanzadeh A, Ghiasvand R. The Effect of Smoking and Noise-Induced Hearing Loss. *J Health Syst Res* 2013;9(6).
- 32- zamanian z, nikeghbal k. Effect of Workplace Noise and Light Conditions on Dentists' Quality of Life, Shiraz, 2013. *JOHE*. 2013;2(1-2).
- 33- Amiri f, Zamanian z, ... effects of combined exposure to harmful and non-harmful levels of noise, heat and lighting on cognitive performance: ; 2015.
- 34- Amiri F, Zamanian Z, Mani A, Hasanzadeh J. Effects of combined exposure to noise, heat and lighting on cognitive performance. *Iran Occupational Health*. 2015;12(5):10-20.
- 35- Amiri F, Zamanian Z, Mani A, Hasanzadeh J. Effects of Combined Exposure to Noise, Heat and Lighting on Cognitive Performance. *Iran Occupational Health*. 2015-2016;12(5).
- 36- Zamanian Z, Gharepoor S, Dehghani M. Effects of electromagnetic fields on mental health of the staff employed in gas power plants, Shiraz, 2009. *Pakistan Journal of Biological Sciences*. 2010;13(19):956-60.
- 37- Rostami R, Zamanian Z, Hasanzadeh J. Effects of Noise Exposure on Serum Cortisol and Some Blood Parameters in Steel Industry Workers *tahghighate-nezam-salamat*. 2012;9(2).
- 38- Rostami R, Zamanian Z, Hasanzadeh J. Effects Of Noise Exposure On Serum Cortisol And Some Blood Parameters In Steel Industry Workers: *en.journals.sid.ir*; 2013.
- 39- Zamanian Z, Rostami R, Nikeghbal K. The Effects of Occupational Noise Exposure on Serum Cortisol Level and Some Blood Parameters in Steel Industry Workers: *jhsss.sums.ac.ir*; 2015.
- 40- Zamanian Z, Zade J. Effects of work shifts and mental workload on chronic fatigue among female nurses in intensive care units: *jhsss.sums.ac.ir*; 2015.
- 41- [Coping strategies of nursing students for dealing with stress in clinical setting: A qualitative study](#). F Rafati, E Nouhi, S Sabzevari, N Dehghan-Nayeri. *Electronic physician* 9 (12), 6120, 2016.
- 42- Dehghani M, Haghighi AB, Zamanian Z. The efficiency of Amberjet 4200 resin in removing nitrate in the presence of competitive anions from Shiraz drinking water. *Pakistan journal of biological sciences : PJBS*. 2010;13(11):551-5.
- 43- Amiri F, Zamanian Z, Alimohammadi Y. Evaluation of noise pollution in Shiraz hospitals. *Bimonthly Journal of ....* 2015.
- 44- Rostamabadi A, Zamanian Z, Sedaghat Z. Factors associated with work ability index (WAI) among intensive care units' (ICUs') nurses. *Journal of Occupational Health*. 2017;59(2):147-55.
- 45- Nasserli S, Dehghani M, Amin S, Naddafi K, Zamanian Z. Fate of atrazine in the agricultural soil of corn fields in fars province of Iran. *Iranian Journal of Environmental Health Science and Engineering*. 2009;6(4):223-32.
- 46- ZAMANIAN Z, EVAZIAN M, HAZEGHI I, ... Fire safety status in the hospitals of Shiraz University of Medical Sciences, Shiraz, Iran. *International Journal of ....* 2015.

- 47- Zamanian Z, Nikeghbal K, Khajehnasiri F. Influence of Sleep on Quality of Life Among Hospital Nurses. *Electronic physician*. 2016;8(1):1811-6.
- 48- [Evaluation of environmental heat stress on physiological parameters](#). Z Zamanian, Z Sedaghat, M Hemehrezaee, F Khajehnasiri. *Journal of Environmental Health Science and Engineering* 15 (1), 1-8, 2017.
- 49- Zamanian Z, Azad P, Ghaderi F, Bahrami S, Kouhnavard B. Investigate the Relationship between Rate of Sound and Local Lighting with Occupational Stress among Dentists in the City of Shiraz. *Journal of Health*. 2016;7(1):87-94.
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### List of Supervised Thesis and Dissertations

1. Estimation of noise pollution by major sources of sound and its methods of control in the agricultural sector (dissertation of MSc student)
2. Investigating the relationship between carrying school bags and students with skeletal muscle aches (dissertation of MSc student)
3. Investigating the relation between working environment of Shiraz dentists and quality of life (dissertation of MSc student)
4. Investigating the effects of exposure to cortisol on serum and status ... (dissertation of PhD student)
5. Examine the effects of exposure to noise ... (dissertation of MSc student)
6. Evaluation of the effect of vibration with a frequency of 7-3 Hz and various accelerations on human cognitive abilities (dissertation of MSc student)
7. Investigating the effect of work hours and mental load on nurses' fatigue in intensive care units (dissertation of MSc student)
8. Ergonomic design and evaluation of the microscope workstation to reduce skeletal muscle in users (dissertation of MSc student)

9. Assessment of occupational exposure to electromagnetic fields and ultraviolet rays (dissertation of MSc student)
10. Provide a model for assessing the harmful factors of the work environment (dissertation of MSc student)
11. Estimation of air clothing clothes by fire fighters on their respiratory, cardiac function (dissertation of MSc student)
12. Human reliability evaluation using two CREAM and HEART techniques in nurses working in Surgical Ward of Shahid Faghihi Hospital in Shiraz, 1394 (dissertation of MSc student)
13. Investigating the effect of work shift and mental load on fatigue of nurses in intensive care units (dissertation of MSc student)
14. Ergonomic intervention on breastfeeding success in mothers and reducing the risk of musculoskeletal disorders (dissertation of MSc student)
15. Assessment of respiratory health and the effect of using personal protective equipment on fire extinguishing personnel in Shiraz, 2014 (dissertation of MSc student)
16. Presentation of the model by fuzzy method to study the effect of the physical factors of the work environment (sound and heat) on the ability to perform work (WA), Dena's rubber workers (dissertation of MSc student)
17. Evaluation of the effect of using protective clothing on heat strain and mental workload of medical staff during the Covid-19 pandemic (dissertation of MSc student)
18. Design and optimization of garment fabric for hot and dry outdoor workers using a combination of aluminum, zinc and tin nanoparticles and physical structure in terms of heat transfer and increased reflection of ambient heat (dissertation of PhD student)
19. Work station Ergonomic Design of Shiraz Electronic Industries Assembly workers by using Digital Human Modeling (dissertation of MSc student)
20. Evelopment and validation of observational assessment tool for circular nurses' non-technical skills and its effectiveness in improving the skills in operating rooms of hospitals affiliated to Shiraz University of Medical sciences (dissertation of PhD student)
21. Survey on effect of thermal conditions, working postures and mental workload on musculoskeletal disorders among Shiraz Water Distribution Company's Emergency Dispatch Workers, 2019. (dissertation of MSc student)
22. Assessment of E & C vitamins effects on oxidative stress biomarkers and biochemical parameters simultaneously in workers exposed to noise in SHIRAZ cement plant. . (dissertation of MSc student)
23. Survey the effect of temperature reduction of prefrontal area on accuracy of visual sustained attention in students of Shiraz University of Medical Sciences. (dissertation of MSc student)
24. Evaluation of local exhaust ventilation system and dust collectors in an iron making plant, Bandarabbas, 1397. (dissertation of MSc student)



25. Design, Development and Assessment of an Ergonomic Chair for surgeons in order to use during Microsurgery. (dissertation of MSc student)
26. valuation of simultaneous effect of thermal stress and respiratory exposure to trichloroethylene on liver, kidney, hematological parameters and immunological and general health indicators of male rats. (dissertation of PhD student)
27. Investigating the effects of temperature change in color and brightness of computer's monitor on cognitive performance and operator's consciousness in the emergency workers,2017. (dissertation of MSc student)
28. Investigation of relationship between job involvement and burnout in nurses quality of work life in normal and subsidiary employed in Asaluyeh,2017. (dissertation of MSc student)
29. Effect of custom made insole and training exercise on post work fatigue and discomfort of lower extremity in assembly workers of DEND rubber industry. (dissertation of MSc student)
30. Assessment of whole body vibration, mental workload and backrest angle's effects on heart rate variability and mental performance. (dissertation of PhD student)
31. valuation of the effects of co-exposure to noise, heat and physical workload changes on some functional and physiological indices. (dissertation of MSc student)
32. Investigation the relationship of quality of work life with mental workload among offshore and day work and employees in Jam petrochemical firm, 2015. (dissertation of MSc student)