

Dr. Zahra Zamanian

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Research Interests

I am a Professor of Occupational Health Engineering with over ۲۰ years of faculty experience. My research interests include sleep and shift work, neuroergonomics, cognitive engineering, cognitive ergonomics, cognitive performance enhancement. I am particularly interested in studying the occupational health impacts of environmental factors such as lighting, noise, vibration, heat, and humidity and understanding the effects of environmental factors on concentration and physiological performance.

Education

Ph.D. in Occupational Health Engineering, ۲۰۰۲-۲۰۰۸
Tehran University of Medical Sciences; Tehran, Iran

M.Sc. in Occupational Health Engineering, ۱۹۹۲-۱۹۹۶
Tehran University of Medical Sciences; Tehran, Iran

B.Sc. in Occupational Health Engineering, ۱۹۹۱-۱۹۹۲
Tehran University of Medical Sciences; Tehran, Iran

Associate Degree in Occupational Health Engineering, ۱۹۸۲-۱۹۸۵
Tehran University of Medical Sciences; Tehran, Iran

Professional Experience

Shiraz University of Medical Sciences
Department of Occupational Health Engineering, ۱۹۸۵ - present
Joint appointment with the Department of Ergonomics, ۲۰۰۶ - present

- Full Professor, ۲۰۲۲ - present
- Associate Professor, ۲۰۱۳-۲۰۲۲
- Assistant Professor, ۲۰۰۸-۲۰۱۳
- Faculty Instructor, ۲۰۰۱-۲۰۰۸
 - Department Head, ۲۰۰۱-۲۰۰۴ (at the time, Department of Occupational Health Engineering consisted of only Faculty Instructors)

- Occupational Health Inspector, University Health Center, ١٩٨٨-٢٠٠١
- Member of Health Research Center, ٢٠١٤-٢٠١٩
- Member of Publication Committee of School of Public Health, ٢٠١٤-٢٠١٩
- Head of the Student Research Committee of the School of Public Health, ٢٠١٤-٢٠١٩
- Member of the Student Consultative Committee of the School of Public Health, ٢٠١٤-٢٠١٩
- Member of the Cultural Council of the School of Health, ٢٠١١-present
- Member of the Vulnerable Student Counseling Committee, ٢٠١٤-٢٠١٩
- Research Deputy of School of Public Health, ٢٠١٤-٢٠١٩

Teaching Record

Doctoral level courses taught in Occupational Health Engineering:

- Lighting
- Psychoacoustics

Master's level courses taught in Occupational Health Engineering:

- Design of cold control and humidity control systems
- Designing sound and vibration control systems in the industry
- Lighting design in the work environment

Bachelor's level courses taught in Occupational Health Engineering:

- Thermal stress in the workplace
- Lighting in the work environment
- Lighting design in the work environment
- Sound and vibration in the work environment
- Design of sound control systems
- Environmental ergonomics
- Work physiology
- Thermal stress in the workplace
- Public health
- Identification of physical factors
- Sound and vibration in the industry
- Safety in the hospital
- Sound and vibration control
- Organization and health services
- Air pollution and noise pollution
- Apprenticeship in the field

Scientific Presentations

۱. Constant Development and Health Conference, Tehran/ Iran, ۲۷ Dec. ۱۹۹۸ "Indoor Air Quality"
۲. Medical Education Seminar, Shiraz/Iran, ۳۱ May-۳ Jun ۱۹۹۹ "Occupational Health"
۳. Medical Education Seminar, Shiraz/Iran, ۱۹-۲۲ Sep ۱۹۹۹ "Ergonomics"
۴. Health and its Effects on Development, Tehran/Iran, ۲۶-۲۷ Feb ۲۰۰۰ "Relation between Health and Hygiene in Development"
۵. Environmental Health Conference, Tehran/Iran, ۱۶ Dec ۲۰۰۱ "Noise and its Effects on Human Health and Environment"
۶. Environmental Health Conference, Zahedan/Iran, ۲۸ Oct. ۲۰۰۸ "Survey on noise effects on Steel Industry Workers"
۷. Assessment of hearing loss caused by noise in the bus drivers and effect on blood pressure, national congress of occupational health & safety, ۳-۵ May ۲۰۱۱
۸. ۲۴-hour secretion of melatonin hormone in shift work nurses, National Health and Safety Conference, May ۱۰, ۲۰۰۹
۹. Effect of Electromagnetic Circuits on Mental Health Status of Employees Employed in Shiraz Power Plants, General Conference on Health and Safety at Work, May ۱۰, ۲۰۰۹
۱۰. The study of safety status and fire awareness in hospitals affiliated to Shiraz University of Medical Sciences, Health and Safety Improvement Conference, July ۳۰, ۲۰۰۹
۱۱. Determination of Work-related Disturbances in Shiraz Fire Fighting Personnel, Conference on Promoting Health and Safety of the Environment, July ۳۰, ۲۰۰۹
۱۲. Assessment of air pollutants (NO₂CO) in the subway of Zand Shiraz, Shahrzaneh and Health Hospital, April ۲۰۱۰
۱۳. 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 ۲۰۱۰
۱۴. 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 ۲۰۱۰
۱۵. Investigating the Observance of Safety Principles in Namazi Hospitals, Shahid Faghihi and Shahid Beheshti Hospitals, Health Work Conference, July ۲۰۱۰
۱۶. 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 ۲۰۱۰
۱۷. Assessment of the perception of occupational safety symptoms in employees of the wool glass company in Shiraz, Salm Work Conference, Tir, ۲۰۱۰
۱۸. Evaluation of safety culture of telecommunication factory workers in Iran, Healthy Workers Conference, July, ۲۰۱۰
۱۹. 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. ۲۸, ۲۰۱۰

۲۰. Investigating the Relationship between Cholesterol Elements and Air Pollutants with Deaths Caused by Cardiovascular and Respiratory Diseases, ۱۳th National Conference on Environmental Health in Iran - Kerman, November ۲۰۱۰
۲۱. Effects of Contaminant Factors on Waste Landfill in Shiraz, Physical and Chemical Pollution of Groundwater Resources, ۱۳th National Conference on Environmental Health in Iran - Kerman, November ۲۰۱۰
۲۲. Proper survey of landfill location in Shiraz with Alkenoo index, ۱۳th National Conference on Environmental Health of Iran - Kerman, November ۲۰۱۰
۲۳. 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. ۲۸ Month of ۱۳۸۹
۲۴. Evaluation of Musculoskeletal Disorders of Shiraz University of Medical Sciences Faculty Members, ۳rd Healthy Work Festival, Feb. ۲۹ and ۳۰, ۲۰۱۱
۲۵. Evaluation of microbial and chemical quality of bottled waters in Fars province ۲۰۱۱, National Conference on Health and Safety of Food
۲۶. The Effect of Lighting on Educational Classes on the Posture of Students of English Language Schools in Shiraz, ۱۳۸۹, International School of Health, September ۲۷, ۲۰۱۱, Shiraz, Iran
۲۷. The prevalence of musculoskeletal pain and its related factors in ۱۲-۱۳ year old students in Shiraz, ۲۰۱۱, International Health School Seminar, October ۲۷, ۲۰۱۱, Shiraz, Iran
۲۸. Assessment of Job Satisfaction and Type of Personality of Staff of Telecommunication Firms of Iran, ۲۰۱۰, Third, Healthy Workshops, ۲۹ and ۳۰ February ۲۰۱۱
۲۹. Presentation of a model for identifying the dominant audio source in the sugar industry Sugar industry, Seventh National Conference on Health and Safety, May-۲۰۱۱
۳۰. 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 - ۱۱ and ۱۲ February ۲۰۱۱
۳۱. Evaluation of prevalence of musculoskeletal disorders and its related factors in Jam Petrochemicals using QEC method, third healthy work festival, ۲۹ and ۳۰ February ۲۰۱۱
۳۲. The relationship between intensity of illumination and occupational stress in dentists in Shiraz, ۲۰۱۲, ۳rd National Conference on Ventilation and Industrial Hygiene, December ۱۲-۱۳, ۲۰۱۲
۳۳. 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 ۱۲-۱۳, ۲۰۱۲
۳۴. The Relationship between Voice and Job Stress in Dentists in Shiraz, ۲۰۱۲, ۳rd National Conference on Ventilation and Industrial Safety, December ۱۲-۱۳, ۲۰۱۲
۳۵. 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 ۱۲-۱۳, ۲۰۱۲
۳۶. Occupational Accident Investigating the Construction Industry of Khorramabad City, Third National Conference on Air Conditioning and Industrial Habitat, December ۱۲ to ۱۳, ۲۰۱۲

۳۷. Evaluating the Efficiency of Electrocoagulation Process in Nitrate Removal from Aqueous Solutions, Fifteenth National Conference on Environmental Health, Gilan, Nov. ۲۰۱۲
۳۸. Ergonomic Evaluation of the Risk of Musculoskeletal Disorders (RULA Method) in a Computer Manufacturing Industry, National Conference - Student Health, Today's Strength, Future Need, ۱۳۹۱
۳۹. Efficiency Evaluation of Shiraz Urban Wastewater Treatment Plant on the Degradation of Oil, Fat, Grease, Fifteenth National Conference on Environmental Health, Gilan, Nov. ۲۰۱۲
۴۰. Ergonomic evaluation of the risk of skeletal and musculoskeletal disorders in the dairy factory staff, national congress - student health, today's effort, future need, ۲۰۱۲
۴۱. A survey on the correct management pattern of reuse of treated waste water for boilers in Narges Vegetable Oil Plant in Shiraz, ۱۵th National Conference on Environmental Health, Gilan, Nov. ۲۰۱۲
۴۲. Evaluation of Radioactive Waste Management in Nuclear Medicine of Namazi Hospital of Shiraz and Methods to Improve it, The ۱۵th National Conference on Environmental Health, Gilan, Nov. ۲۰۱۲
۴۳. Investigating incidents in one of the industrial units on incident talent theory. Fourth National Conference on Air Conditioning and Industrial Hygiene, ۲۶th and ۲۷th of Mehr ۱۳۹۳
۴۴. 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, ۲۶th and ۲۷th of Mehr ۱۳۹۳
۴۵. 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, ۲۶th and ۲۷th of Mehr ۱۳۹۳
۴۶. Evaluation of noise pollution in Shiraz hospitals. Fourth National Conference on Air Conditioning and Industrial Hygiene, ۲۶th and ۲۷th of Mehr ۱۳۹۳
۴۷. Health Impact Assessment of Occupational Exposure to Steel Industry Welders with UV Spirits. Fourth National Conference on Air Conditioning and Industrial Hygiene, ۲۶th and ۲۷th of Mehr ۱۳۹۳
۴۸. Right-of-the-art workplace safety signs. Fourth National Conference on Air Conditioning and Industrial Hygiene, ۲۶th and ۲۷th of Mehr ۱۳۹۳
۴۹. Investigation of fire safety status in hospitals of Shiraz University of Medical Sciences, ۱۷th National Conference on Environmental Health
۵۰. Sampling to determine the amount of air pollutants in the underpass of one of the streets of Shiraz. ۱۷th National Conference on Environmental Health. ۱۸-۲۰ ۱۳۹۳
۵۱. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۵۲. Zamanian, Z., Hassanpour, F., Alvandi, M., Scientist, E. Evaluation of the risk of musculoskeletal disorders using RULA in drivers with more than ۴ hours of driving per day. The ۹th National

Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.

۵۳. Zamanian, Z., Jabbari, Z., Honarbakhsh, M., Scientist, E. Investigating the relationship between general health and musculoskeletal disorders in Shiraz city. The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۵۴. Zamanian, Z., Henbarshah, M., Jabbari, Z., Scientist, E. Evaluation of the intensity of light and the prevalence of musculoskeletal disorders in the heath. The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۵۵. Zamanian, Z., Jabbari, Z., Honarbakhsh, M., Scientist, E. Measurement of the risk of Musculoskeletal Disorders by Muscular Fatigue Assessment (MFA) in Khayatan, ۱۳۹۳. Ninth General Conference on Occupational Health and Safety. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۵۶. Zamanian, Z., Ranjbar, M *. Evaluation of Brightness, Musculoskeletal Disorders and BMI of High School Students in Shiraz, ۱۳۹۳. Ninth General Conference on Occupational Health and Safety. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۵۷. 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-۱۳۹۳. The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۵۸. Abdi, A *, Zamanian, Z. Investigating the ergonomic aspects of the operons used in the radiology departments. The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۵۹. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۶۰. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۶۱. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۶۲. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd

۶۳. 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 ۲۰۱۳. The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۶۴. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۶۵. Mirzai Tusi, Q., Zamanian, Z. Investigating the relationship between the type of work-shift program and its fatigue using the FAID model. . The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd.
۶۶. Amiri, F., Zamanian, Z., Jafari, F., Jalvvand, AS. Evaluation of noise pollution in hospitals in Shiraz. . The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۶۷. Amiri, F, Zamanian, Z., Manny, A., Hassanzadeh, J. Effects of exposure to sound, heat and light on cognitive function. . The ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۶۸. 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 ۹th National Conference on Occupational Safety and Health. ۲۰th and ۲۱st of Khordad ۱۳۹۴. Shahid Sadoughi University of Medical Sciences and Health Services Yazd
۶۹. 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 ۱۶th Annual National Congress and the ۶th International Congress of Medical Students in Iran. Sep ۸-۱۱
۷۰. Zamanian, Z., Khajehnsari, F. Evaluating the Effects of Health Improvement and Stress on the Buses. Eighties of the National Environmental Health Conference - Shiraz-Azar ۱۳۹۴
۷۱. Zamanian Z., Khajehnsari, F. Determine the number of employees who work at the factory. Eighteenth National Conference on Environmental Health - Shiraz-Azar ۱۳۹۴
۷۲. 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 ۱۳۹۴
۷۳. 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, ۲۰۱۷
۷۴. 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, ۲۰۱۷
۷۵. 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, ۲۰۱۷

۷۶. 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, ۲۰۱۷
۷۷. 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, ۲۰۱۷
۷۸. 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, ۲۰۱۷
۷۹. 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, ۲۰۱۷

Publications

۱. 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 ۵ (۴), ۲۰۰۸.
۲. Twenty Four-hour circadian melatonin profile among women shift work nurses. H Kakooei, Z ZamanianArdakani, SM Karimian, ST Ayattollahi. J Adv Med Biomed Res ۱۷ (۶۸), ۷۵-۸۴, ۲۰۰۹
۳. Twenty four hours circadian cortisol profile in shift work nurses. H Kakooei, Z Zamanian Ardakani, M Karimian, T Aytollahi. Armaghane danesh ۱۴ (۱), ۴۷-۵۶, ۲۰۰۹
۴. 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 ۱۶ (۴), ۴۷۷-۴۸۵, ۲۰۱۰.
۵. Effects of magnetic field on mental health staff employed in gas power plant, Shiraz, ۲۰۰۸. Z Zamanian, F Khajenasirie, S Gharepoor, M Dehghany. Iran Occupational Health ۷ (۳), ۲۰۱۰.
۶. A study of daily profile secretion of melatonin in shift work female nurses. H Kakooei, Z Zamanian, SM Ayattollahi. J Zanjan Med Sci ۱۷, ۴۵-۵۴, ۲۰۱۰.
۷. 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 Nemat. J. Health and Safety at Work ۱ (۱), ۴۷-۵۲, ۲۰۱۱
۸. 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 ۵ (۲), ۵۳-۵۵, ۲۰۱۳.

۹. 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 ۹ (۳), ۲۸۶-۲۹۳, ۲۰۱۳.
۱۰. Are Supplementation of Omega-۳ and Ascorbic Acid Effective in Reducing Oxidative Stress and Depression among Depressed Shift Workers? Khajehnasiri F, Akhondzadeh S, Mortazavi SB, Allameh A, Sotoudeh G, Khavanin A, et al. International journal for vitamin and nutrition research Internationale Zeitschrift für Vitamin- und Ernährungsforschung Journal international de vitaminologie et de nutrition. ۲۰۱۶;۱-۱۲.
۱۱. Zamanian Z. Assessment of atrazine distribution in Shiraz soils, south of Iran. Pakistan Journal of Biological Sciences. Dehghani M, Nasser S, Amin SA, ۲۰۱۰;۱۳(۲):۶۶-۷۲.
۱۲. Assessment of health consequences of occupational exposure to ultraviolet radiation in steel industry welders. Asmand E, Zamanian Z, Mortazavi S. Armaghane-danesh. ۲۰۱۴;۱۹(۷).
۱۳. Consequences of Steel Industry Welders' Occupational Exposure to Ultraviolet. Zamanian Z, Mortazavi SM, Asmand E, Nikeghbal K. Assessment of Health. Radiation. Int J Prev Med. ۲۰۱۵;۶:۱۲۳.
۱۴. Assessment of static and extremely low frequency magnetic fields in the electric-powered trains: An environmental and occupational. Jalilian H, Najafi K, Monazzam M, perspective: ijoh.tums.ac.ir; ۲۰۱۷.
۱۵. Assessment of the effect of short-term exposure with vibration in different acceleration and frequencies of ۳-۷Hz on cognitive abilities attention. Nikraves A, Zamanian Z, Monazzam MR. J Health Syst Res ۲۰۱۳;۹(۱۲).
۱۶. Assessment of the potential of scale formation and corrosivity of tap water resources and the network distribution system in Shiraz, south Iran. Dehghani M, Tex F, Zamanian Z. Pakistan Journal of Biological Sciences. ۲۰۱۰;۱۳(۲):۸۸-۹۲.
۱۷. Assessment of the Relation between Subjective Workload and Job Satisfaction in University Faculty and Staff. Zamanian Z, Sarvestani MR, Sedaghati M, Ghatmiri M, Kouhnavard B. Journal of Ergonomics. ۲۰۱۶;۳(۴).
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۱۳۹. Prevalence of Heat-Related Illnesses among Outdoor Workplaces Workers in Hot and Dry Areas of Iran. Milad Derakhshanjazari, Ali Jangjou, Roohollah Bagherzadeh, Mohammad Reza Monazzam, Zahra Zamanian. *J Environ Treat Tech.* ۹(۱), ۲۰۳-۲۰۸. ۲۰۲۱.
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List of Supervised Thesis and Dissertations

۱. Estimation of noise pollution by major sources of sound and its methods of control in the agricultural sector (dissertation of MSc student)
۲. Investigating the relationship between carrying school bags and students with skeletal muscle aches (dissertation of MSc student)
۳. Investigating the relation between working environment of Shiraz dentists and quality of life (dissertation of MSc student)
۴. Investigating the effects of exposure to cortisol on serum and status (dissertation of PhD student)
۵. Examine the effects of exposure to noise (dissertation of MSc student)
۶. Evaluation of the effect of vibration with a frequency of ۷-۳ Hz and various accelerations on human cognitive abilities (dissertation of MSc student)

۷. Investigating the effect of work hours and mental load on nurses' fatigue in intensive care units (dissertation of MSc student)
۸. Ergonomic design and evaluation of the microscope workstation to reduce skeletal muscle in users (dissertation of MSc student)
۹. Assessment of occupational exposure to electromagnetic fields and ultraviolet rays (dissertation of MSc student)
۱۰. Provide a model for assessing the harmful factors of the work environment (dissertation of MSc student)
۱۱. Estimation of air clothing clothes by fire fighters on their respiratory, cardiac function (dissertation of MSc student)
۱۲. Human reliability evaluation using two CREAM and HEART techniques in nurses working in Surgical Ward of Shahid Faghihi Hospital in Shiraz, ۱۳۹۴ (dissertation of MSc student)
۱۳. Investigating the effect of work shift and mental load on fatigue of nurses in intensive care units (dissertation of MSc student)
۱۴. Ergonomic intervention on breastfeeding success in mothers and reducing the risk of musculoskeletal disorders (dissertation of MSc student)
۱۵. Assessment of respiratory health and the effect of using personal protective equipment on fire extinguishing personnel in Shiraz, ۲۰۱۴ (dissertation of MSc student)
۱۶. 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)
۱۷. Evaluation of the effect of using protective clothing on heat strain and mental workload of medical staff during the Covid-۱۹ pandemic (dissertation of MSc student)
۱۸. 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)
۱۹. Work station Ergonomic Design of Shiraz Electronic Industries Assembly workers by using Digital Human Modeling (dissertation of MSc student)
۲۰. Development 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)
۲۱. Survey on effect of thermal conditions, working postures and mental workload on musculoskeletal disorders among Shiraz Water Distribution Company's Emergency Dispatch Workers, ۲۰۱۹. (dissertation of MSc student)
۲۲. 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)

۲۳. 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)
۲۴. Evaluation of local exhaust ventilation system and dust collectors in an iron making plant, Bandarabbas, ۱۳۹۷. (dissertation of MSc student)
۲۵. Design, Development and Assessment of an Ergonomic Chair for surgeons in order to use during Microsurgery. (dissertation of MSc student)
۲۶. 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)
۲۷. 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, ۲۰۱۷. (dissertation of MSc student)
۲۸. Investigation of relationship between job involvement and burnout in nurses quality of work life in normal and subsidiary employed in Asaluyeh, ۲۰۱۷. (dissertation of MSc student)
۲۹. 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)
۳۰. Assessment of whole body vibration, mental workload and backrest angle's effects on heart rate variability and mental performance. (dissertation of PhD student)
۳۱. valuation of the effects of co-exposure to noise, heat and physical workload changes on some functional and physiological indices. (dissertation of MSc student)
۳۲. Investigation the relationship of quality of work life with mental workload among offshore and day work and employees in Jam petrochemical firm, ۲۰۱۵. (dissertation of MSc student)
۳۳. Evaluation of local exhaust ventilation system and dust collectors in an iron making plant, Bandarabbas, ۲۰۲۱. (dissertation of MSc student)
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۳۷. Work station Ergonomic Design of Shiraz Electronic Industries Assembly workers by using Digital Human Modeling, ۲۰۲۱. (dissertation of MSc student)
۳۸. 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, ۲۰۲۰. (dissertation of PhD student)

- ۳۹. Evaluation of the effect of using protective clothing on heat strain and mental workload of medical staff during the Covid-۱۹ pandemic, is process. (dissertation of MSc student)
- ۴۰. Investigating the short-term effects of using full-body hospital protective equipment and changes in physical workload intensity on some indicators of human cognitive and physiological performance, is process. (dissertation of MSc student)
- ۴۱. Determining the effect of cooling vest with hospital whole body protection equipment on functional, cognitive and physiological indices in nurses, is process. (dissertation of MSc student)
- ۴۲. Evaluation of the effect of cooling vests on performance, heat strain and some physiological responses of restaurant staff of Golgohar Industrial and Mining Company , is process. (dissertation of MSc student)