

Curriculum Vita

Hossein Ebrahimi

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Personal Information:

Place of birth: Esfarayen

Date of birth: 25/7/1982

Professional Address: School of Public Health/ Iran University of Medical Sciences

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Education:

- ❖ **Ph.D. in Occupational health:** School of public health, Hamadan University of Medical Sciences, Hamadan, Iran. Thesis: Treatment of chloroform and chlorobenzene vapors by synthesized TiO₂&ZnO photocatalyst on expanded graphite and its application in non-thermal-photocatalyst-ozonation system. 2011-2015.
- ❖ **M. Sc. in Occupational health:** School of public health, Tehran University of Medical Sciences, Tehran, Iran. Thesis: Occupational whole body vibration exposure evaluation in drivers of bus transportation of Tehran City.2006-2009

❖ **B. Sc. in Occupational health.** School of public health, Tehran University of Medical Sciences, Tehran, Iran. Thesis: Evaluation of radon exhalation rate from granite stone. 2002-2006.

Honors:

- 1- First rank of occupational health masters exam.
- 2- Member of the Talent Academy of Tehran University of Medical Sciences
- 3- Member of the National Elite Foundation

Publications:

Books:

- 1- Treatment of Chloroform and Chlorobenzene vapors by novel methods. (Scholar press).
- 2- To third-generation universities (Arshadan)
- 3- Health promoting of workplace (Fanavaran)
- 4- Risk Assessment (0 to 100) (Fanavaran)
- 5- Safety in mines (Fanavaran)

English language:

- 6- Comparative survey of work related musculoskeletal disorders (WRMDs) prevalence and related factors in Iranian welders. Pakistan Journal of Medical Sciences. M Abolfazl, E Hossein, K Reza. 2011.

- 7- Evaluation of radon exhalation rate from granite stone. Journal of Scientific and Industrial Research. P Nassiri, H Ebrahimi, PJ Shalkouhi. 2011
- 8- Noise Induced Hearing Loss in Iran: A Systematic Review. International Journal of Occupational Hygiene. A Soltanzadeh, H Ebrahimi, M Fallahi, M Kamalinia, S Ghassemi, R Golmohammadi. 2014.
- 9- Passenger Noise and Whole-Body Vibration Exposure—A Comparative Field Study of Commercial Buses. JOURNAL OF LOW FREQUENCY NOISE, VIBRATION AND ACTIVE CONTROL. P Nassiri, H Ebrahimi, MR Monazzam, A Rahimi, PJ Shalkouhi. 2014.
- 10- Decomposition of Gas-Phase Chloroform Using Nano-photocatalyst Downstream the Novel Non-Thermal Plasma Reactor: Byproducts Elimination. International Journal of Engineering Science and Technology. FG Shahna, H Ebrahimi, B Jaleh, A Bahrami. 2015.
- 11- Gaseous chlorobenzene degradation by a novel non thermal plasma reactor. Fresenius Environmental Bulletin. H Ebrahimi, A Bahrami, J Babak, F Ghorbani Shahna. 2015.
- 12- Photocatalytic degradation of volatile chlorinated organic compounds with ozone addition. Archives of Environmental Protection. H Ebrahimi, FG Shahna, A Bahrami, B Jaleh. 2017
- 13- Chlorobenzene removal by non-thermal plasma combined with a photocatalyst: effect of photocatalyst on CO₂ selectivity and byproducts reduction. Journal of Hazardous material. Farshid Ghorbani Shahna, Abdulrahman Bahrami, Iraj Alimohammadi,

- Rassuol Yarahmadi, Babak Jaleh, Mastaneh Gandomi, Hossein Ebrahimi, Kamal Ad-Din Abedi. 2017.
- 14- Comparison between effects of low and high frequency noise on mental performance. Journal of applied acoustics. I Alimohammadi, H Ebrahimi. 2017.
- 15- Effect of traffic noise on mental performance with regard to introversion and task complexity. Journal of applied acoustics. A Mehri, I Alimohammadi, H Ebrahimi, R Hajizadeh, M Roudbari. 2018.
- 16- Effect of TiO₂/GAC and water vapor on chloroform decomposition in a hybrid plasma-catalytic system. Environmental technology. KD Abedi, F Ghorbani-Shahna, A Bahrami, H Ebrahimi, A Maleki. 2017.
- 17- Comparative survey of work related musculoskeletal disorders (WRMDs) prevalence and related factors in Iranian welders. Pakistan Journal of Medical Sciences. Mohammadbeigi Abolfazl, Ebrahimi Hossein, Kazemi Reza. 2011.
- 18- Effects of noise on selective attention: The role of introversion and extraversion. Journal of applied acoustics. Gholamreza Moradi, Leila Omid, Shahram Vosoughi, Hossein Ebrahimi, Ahad Alizadeh, Iraj Alimohammadi. 2019.

Persian language:

- 1- The influence of educational interventions to reduce occupational stress: A systematic review. Health and Safety at Work. SMM Hazavehei, K Moghadam, S Melika, F Bagheri Kholenjani, H Ebrahimi. 2017.

- 2- The purification of chloroform vapors using a novel non-thermal plasma reactor. Iran Occupational Health. Abdulrahman Bahrami, Mahmoud Nasrollahzadeh, Iraj Alimohammadi, Babak Jaleh, Kamaledin Abedi, Farshid Ghorbani Shahna, Sayed Hosein Tabatabaei. 2017.
- 3- The hybrid effect of non-thermal plasma and activated carbon-zinc oxide nanocomposite on the removal of volatile organic compounds in air. Iran Occupational Health. F Ghorbani Shahna, A Bahrami, H Ebrahimi. 2017.
- 4- The activation of deactivated TiO₂ and ZnO catalysts by exposure with clean air flow and UV radiation. Rahavard salamat. Ghorbani Shahna F, Abedi K, Bahrami A, Jaleh B, Ebrahimi H. 2015.
- 5- Modeling of Sound Exposure in Bus Drivers of Tehran Branch by Neural Network Method. Rahavard salamat. Ebrahimi H, nasiri P, alimohammadi I, mousavi S, abedi K, danesh F. 2017
- 6- An investigation of Extremely Low Frequency (ELF) Electromagnetic field emitted by common Laptops. Health and Safety at Work. R Golmohammadi, H Ebrahimi, M Fallahi, A Soltanzadeh, SS Mousavi. 2014.
- 7- Comparison of general health status and sleeping quality of shift workers in a car industry workshop 2008. Behbood Journal. 2010.
- 8- Occupational noise exposure evaluation in drivers of bus transportation of Tehran City. Iranian Journal of Health and Environment. P Nassiri, M Monazam Esmaeelpour, A Rahimi Froushani, H Ebrahimi. 2009.

- 9- Occupational whole body vibration exposure evaluation in drivers of bus transportation of Tehran City. Journal of Environmental Science and Technology (JEST). P Nassiri, M Monazam Esmaeelpour, A Rahimi Foroushani, H Ebrahimi. 2010.

Congress Presentations:

- Synthesis and evaluation of expanded graphite nanocomposite catalysts doped with titanium dioxide and zinc oxide (Poster presentation). National Conference on Graphene and Nanostructures. 2016.
- Specific description of the size, shape and state of nanoparticle emission for toxicological studies (Poster presentation). Fourth Conference of Health Sciences. 2011.
- The capabilities of nanotechnology in the field of health (Lecture). Fourth Conference of Health Sciences. 2011.
- Investigating the Confrontation between Residents' Behaviors and Designing Residential Homes on the Safety of Houses (Poster presentation). Safe community conference. 2011.
- Evaluation of the contact of workers with casting process with chemical risk factors and its health effects (Lecture). National Conference on Occupational Health. 2011.
- Study of General Health Status and Sleep Quality of Professional Drivers in Intercity Terminals in Tehran (Poster presentation). HSE International Conference.
- Evaluation of noise pollution in the Tehran buses (Lecture). International Symposium of Environment.

- Occupational Exposure of the Tehran Bus Company Drivers with Noise and Vibration (lecture). The 6th National Occupational Health Conference

Projects:

- Solar ultraviolet radiation measurements in Arak.
- Health Risk Assessment of workers' exposure to polycyclic aromatic hydrocarbons using data from air monitoring respiratory and urinary metabolites
- Investigating the Effect of Personality Characteristics on Driving Errors.
- Study of sleep quality and its effective factors in dormitory and non-dormitory students of Iran University of Medical Sciences.
- Study of the association of whole body vibration with musculoskeletal disorders and driving errors in interurban minibus drivers.
- Investigating the Relationship between Employee Safety Attitudes and Occupational Accidents in Surface Mines of Nehbandan city.
- The Relationship between Cognitive Failure, Burnout and General Health in Personnel of Iran Tire Factory.
- Provide a Health, Safety and Environment Management Health (HSE-MS) Audit Method for Surface Mines.
- Neural Network modeling the Relationship between Personality Characteristics with noise Sensitivity and noise annoyance.

Thesis (Supervisor):

- Providing a Health, Safety and Environment Management System (HSE-MS) Audit Methodology for Surface Mines (Case Study: Nehbandan County).

- The effect of emotional intelligence and personality characteristics on non-fatal accidents of Firefighters.
- Investigating the role of co-driver on the rate of truck driver's unsafe behaviors.
- Introducing a method for assessment of industrial crisis management performance and its application for the evaluation of the town industrials.

Thesis (Advisor):

- The survey of relation personality and burnout with oxidative stress among nurses.
- Occupational health and safety machinery risk assessment based on ISO 12100 method (case study in 1395).

Teaching:

- Air pollution control. BSC. Arak University of Medical Sciences.
- Air pollution control. BSC. Hamadan University of Medical Sciences.
- Gases and aerosols dynamics. BSC. Hamadan University of Medical Sciences.
- Occupational Health. BSC. Hamadan University of Medical Sciences.
- Safety at work. BSC. Arak University of Medical Sciences.
- Safety of facilities and equipment. BSC. Arak University of Medical Sciences.
- Personal protective equipment. BSC. Arak University of Medical Sciences.
- Introduction to Industrial Industries and Industries. BSC. Arak University of Medical Sciences.
- Risk assessment and management. BSC. Iran University of Medical Sciences.
- Safety at work 2. BSC. Iran University of Medical Sciences.
- Safety at work 3. BSC. Iran University of Medical Sciences
- Safety at work. M.Sc. Iran University of Medical Sciences
- Ergonomic. BSC. Iran University of Medical Sciences

- GIS. M.Sc. Iran University of Medical Sciences
- Industrial psychology. BSC. Iran University of Medical Sciences
- Medical information systems. M.Sc. Iran University of Medical Sciences

Executive activities:

1. Academic Member of Arak University of medical sciences.
2. Academic Member of Iran University of medical sciences.
3. Member of the EDO in IUMS, 2014.
4. Member of Third Generation University Committee, IUMS, 2014.
5. Director of Air Pollution Center Research.

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