

Curriculum Vitae



Surname: Rafieepour
Middle Initial: -
Forename: Athena
Title: Dr.
Date of Birth: 5th April 1984
Nationality: Iranian
Marital Status: Single

Current Academic position:

Ph.D. Occupational Health Engineering with Thesis on the “Occupational Toxicology”

Home Address: Satarkhan, Takestan St. Aseman Residential Department
Basement floor, No. 17
Tehran /Iran
Postal Code# 19888

Work Address: Iran University of Medical Sciences
Shahid Hemmat Highway,
Tehran / Iran

E-Mail Address: arp_63@yahoo.com and rafieepour.a@iums.ac.ir

Qualifications

2002 High School Diploma (Experimental Sciences)

Ahvaz/Iran

2008 B.S. Occupational Health Engineering, Jundishapur University of Medical Sciences

Ahvaz/ Iran

2011 M.S. Occupational Health Engineering, Hamadan University of Medical Sciences

Hamadan/ Iran

2020 Ph.D. Occupational Health Engineering

Shahid Beheshti University of Medical Sciences

Tehran/Iran

Language

English, Persian

Employment History

2011-14 Faculty member and Head of Occupational Health Engineering in the department of Occupational Health., School of Public Health, Arak University of Medical Sciences, Iran.

2011-2013 education Director of Occupational Health in Arak University of Medical Sciences

2012-2014 Secretary of research console in the School of Public Health, Arak University of Medical Sciences

2012-2014 Member of education console in the School of Public Health, Arak University of Medical Sciences

2012-2014 Head of Executive Director for Operations in the School of Public Health, Arak University of Medical Sciences

2012-2014 Founder of Student Scientific Society in the School of Public Health, Arak University of Medical Sciences

2012-2014 Member of Student Research Committee in the School of Public Health, Arak University of Medical Sciences

2013-15 Arak Tak flour Producing Co., serving as a health expert.

2013 Iran Combine Manufacturing Company, serving as a HSE officer.

2019 Paya pardaz engineering and laboratory Co., serving as a health expert.

2019 Scientific Secretary of 12th University Student Conference on Innovation in Health Sciences

2022 Faculty member of Occupational Health Engineering in the department of Occupational Health., School of Public Health, Iran University of Medical Sciences, Iran

Awards

2005: The top student in B.S. Degree in Festival of Innovators, Inventors and the Best Students, Jundishapur University of Medical Sciences, Ahvaz, Iran.

For six years: A member of Student Talent Club

For four years: The highest honor student in B.S. Degree in Occupational Health Department, Jundishapur University of Medical Sciences (2004-8).

For two years: The highest honor student in M.S. Degree in Occupational Health Department, Hamadan University of Medical Sciences (2009-11).

For four years: The highest honor student in the Doctoral program of the Occupational Health Engineering Department, Shahid Beheshti University of Medical Sciences (2016-20).

For two years: Selected as the outstanding student in Shahid Beheshti University of Medical Sciences (2019 and 2020).

2020: Top Researcher and Talented Member of National Organization for Development of Exceptional Talents.

Conference Papers

- 1- **Rafieepour A**, Borji M, Hashemi Z. XIX World Congress on Safety and Health of Work. 11-15 September 2011. Stanbul. The comparison of carbon nanotubes performance to traditional activated charcoal for adsorbing of benzene vapor. Poster.
- 2- Farasati F, **Rafieepour A**. 6th University Student Conference on Innovation in Health Sciences. 11 May 2010. Iran-Tehran. Strategies for the effective use of ergonomic interventions. Poster.
- 3- Farasati F, **Rafieepour A**. 6th University Student Conference on Innovation in Health Sciences. 11 May 2010. Iran-Tehran. Investigating the amount of contact with X-rays and determining the danger zone in the employees of the fuel tank leakage section of Kurdistan Power Plant. Poster.
- 4- Bahrami A.R, Zare Sakhvidi M.J, **Rafieepour A**. 7th National Congress of Occupational Health and Safety. 03 May 2011. Iran-Qazvin. Development of Solid Phase Micro Extraction Method for Sampling of Epichlorohydrin in Air and Analysis by GC-MS. Oral presentation.
- 5- Hashemi Z, Golmohamadi R, Monazzam Esmaelpour MR, **Rafieepour A**. 7th National Congress of Occupational Health and Safety. 03 May 2011. Iran-Qazvin. Evaluation of the noise pollution in the Hamadan Nakh spinning industry and design of noise control method. Poster.
- 6- Asgari M, RAZari M, Abbas Gohari F, **Rafieepour A**, Khodakarim S. 9th National Congress of Occupational Health and Safety. 10 June 2015. Iran-Yazd. Validation of a new Fourier Transform Infrared spectrometry method for mineral oil analysis. Poster.
- 7- **Rafieepour A**, Jafari MJ, Nasiri P, Monazzam Esmaielpour MR, Azam K, Mohammadian F. 9th University Student Conference on Innovation in Health Sciences. 11 May 2016. Iran-Tehran. The effect of combined noise and vibration characteristics on mental performance. Poster.
- 8- RAZari M, **Rafieepour A**, Zendehtdel R, Tavakol E, Abbas Gohari F, Asgari M. 10th University Student Conference on Innovation in Health Sciences. 9 May 2017. Iran-Tehran. Comparison of two methods of Fourier Transform Infrared (FTIR) and Ultra Violet (UV) spectroscopy in mineral oil measurement. Best Oral presentation.
- 9- **Rafieepour A**, Firoozi M, Gorji R, Alinia T. 10th University Student Conference on Innovation in Health Sciences. 9 May 2017. Iran-Tehran. The effect of smoking on the intensity of hearing loss in a metalworking industries' workers. Poster.
- 10- Safinejad M, R.Azari M, Zendehtdel R, **Rafieepour A**, Irvani H. 12th University Student Conference on Innovation in Health Sciences. 1 May 2019. Iran-Tehran. Investigation of the serum level of malondialdehyde in the blood of workers exposed to polymorphous silicon dioxide dust in Sirjan Gol Gohar iron ore mine. Poster.

- 11- Akbari A, **Rafieepour A**, Ghojaloo M. 12th University Student Conference on Innovation in Health Sciences. 1 May 2019. Iran-Tehran. Investigating the Impact of Demographic Variables on Workplace Safety Culture Using a Nordic Questionnaire in a Metalworking Industry. Poster.
- 12- R.Azari M, **Rafieepour A**, Pourahmad Jaktaji J, Khodaghohli F, Mehrabi Y. 12th University Student Conference on Innovation in Health Sciences. 1 May 2019. Iran-Tehran. The effect of amorphous silicon dioxide particles dimensions on toxicity in the A549 human lung cell line. Best Oral presentation.
- 13- **Rafieepour A**, R.Azari M, Pourahmad Jaktaji J, Khodaghohli F, Peirovi H, Mehrabi Y. 11th National Congress of Occupational Health and Safety. 18 February 2020. Iran-Tehran. The effect of type of iron oxide nanoparticles on the toxicity of human lung A549 cell toxicity. Poster.
- 14- **Rafieepour A**, R.Azari M, Khodaghohli F, Pourahmad Jaktaji J, Peirovi H, Mehrabi Y. 11th National Congress of Occupational Health and Safety. 18 February 2020. Iran-Tehran. Effect of Combined exposure to hematite and amorphous silica nanoparticles on A549 cell line. Oral presentation.
- 15- **Athena Rafieepour**, Zahra Eskandari, Arezoo Dehghani. 13th University Student Conference on Innovation in Health Sciences. 10 November 2020. Iran-Tehran. what information do people want to know about COVID-19? A quick online survey. Poster.
- 16- **Athena Rafieepour**, Arezoo Dehghani. 13th University Student Conference on Innovation in Health Sciences. 10 November 2020. Iran-Tehran. The most popular communication channels for health information in the 19-Covid pandemic for Iranian population: guidance for future policy makers. Poster.
- 17- **Athena Rafieepour**, Arezoo Dehghani. 13th University Student Conference on Innovation in Health Sciences. 10 November 2020. Iran-Tehran. Challenges of the E-learning during the outbreak of Covid-19 in Iran. Presentation.
- 18- Zohreh Ghomian, Zahra Eskandari. **Athena Rafieepour**, Arezoo Dehghani. The Third International Congress on Social Studies in Health (Webinar) and the First Pandemic in the New Millennium: COVID-19. Health Policy Research Center, Shiraz University of Medical Sciences. 16-17 December 2020. Investigating the process of restriction strategies and the trend of daily new cases and death due to Covid 19 in Iran: from March 1 to July 1, 2020. Poster.
- 19- **Athena Rafieepour**, Arezoo Dehghani. Virtual national conference of the research achievements of the country's Covid-19. 15 December 2020. Comparison of health management measures in the control of Covid-19 in selected countries. Poster.
- 20- the first symposium of emerging with emphasis on COVID-19.

papers

- 1- Zare Sakhvidi MJ, Bahrami A, Afkhami A, **Rafiei A**. Development of diffusive solid phase microextraction method for sampling of epichlorohydrin in air. *International journal of environmental analytical chemistry*. 2012; 92(12):1365-77.
- 2- **Rafieepour A**, Ghorbani Shahna F, Hashemi Z, Ghamari F. Measurement of Benzene in Air by Iranian Single-Wall Carbon Nanotubes. 2012; 5(15): 535-40.
- 3- Solhi H, Jamalian M, Eshrati B, Talebi A, Kazemifar AM, **Rafieepour A**. Carbon Monoxide Production by Wall-Mounted Gas Water-Heaters Used in Apartments of Arak City. *Scientific Journal of Forensic Medicine*. 2012; 17(4): 239-46.
- 4- **Rafieepour A**, Rezvani Z, Rafieepour E. Measuring the amount of nickel and iron oxide in the breathing zone of welders. *Zahedan journal of research in medical sciences*. 2013; 15(9): 85-7.
- 5- **Rafieepour A**, Dolatshahi NG, Ghasemkhan AH, Asghari M, Sadeghian M, Asadi A. The effect of the use of NP305 masks in improving respiratory symptoms in workers exposed to sulfuric acid mists in plating and pickling units. *Electronic physician journal*. 2013; 5(1): 616-22.
- 6- Mazlomi A, Abbasiania M, Dehghan S, Rahmani A, Asghari I, **Rafieepour A**. Motivation and Job Satisfaction: A Case Study of an Automobile Parts Manufacturing Plant. *Open Journal of Industrial and Business Management*. 2014; 2(2): 16-22.
- 7- **Rafieepour A**, Farasati F, Kalantari S, Motamedzadeh M, Rafieepour E. Estimation of maximum aerobic capacity and the effect of demographic factors and personal habits on it in students of Hamadan University of Medical Sciences. *Qom Univ Med Sci J*. 2014; 8(3): 33-40.
- 8- **Rafieepour A**, Ranjbarian M, Dehghani A, Kalantari S. The prevalence of pulmonary functional impairments workers induced by occupational exposure to Formaldehyde in a resin factory. *Journal of health in the field*. 2014; 1(4): 1-6.
- 9- Ghasemi M, **Rafieepour A**, Asghari M, Abbassinia M, Tabbak R, Ahmadnezhad I, Dormohammadi A. Survey of learning styles of the students in Department of Health in Arak University of Medical Sciences based on Kolb's Model. *International Research Journal of Applied and Basics Sciences*. 2014; 8(9): 1442-6.
- 10- **Rafieepour A**, Ghamari F, Mohammadbeigi A, Asghari M. Seasonal Variation in Exposure Level of Types A and B Ultraviolet Radiation, an environmental carcinogen. *Annals of Medical and Health Sciences Research*. 2015; 5(2): 129- 33.

- 11- **Rafieepour A**, Rafieepour E, Asghari M, Gholamzadeh N, Dehghan SF. Respiratory effects of exposure to flour dust: A case study among workers of flour production factories in Arak. *Journal of Paramedical Sciences*. 2015; 6(3): 81-6.
- 12- Fakhri Y, Rasouli Amirhajeloo L, **Rafieepour A**, Langarizadeh G, Moradi B, Zandsalimi Y, Jafarzadeh S, Mirzaei M. Assessment of accuracy predict the concentration of nitrate groundwater by spatial distribution model (surface kriging map): Hasht Bandi of Minab, Iran. *Journal of Environmental Science, Toxicology and Food Technology*. 2015; 9(4): 86-90.
- 13- Fakhri Y, Moradi B, **Rafieepour A**, Rasouli Amirhajeloo L, Zandsalimi Y, Jafarzadeh S, langarizadeh Gh, Mirzaei M. Concentrations of Nitrate groundwater in the 17 Wells at the Region of Hasht Bandi of Minab, Iran. *Journal of Environmental Science, Toxicology and Food Technology*. 2015; 9(4): 59-63.
- 14- Fakhri Y, Zandsalimi Y, Rasouli Amirhajeloo L, Jafarzadeh S, langarizadeh Gh, **Rafieepour A**, Moradi B, Mirzaei M. Assessment concentration and non-carcinogen risk of arsenic in groundwater by spatial distribution model (Kriging method); Hasht Bandi of Minab, Iran. *International Journal of .Current Microbiology Applied Science*. 2015; 4(3): 819-29.
- 15- Fakhri Y, langarizadeh Gh, Moradi B, Zandsalimi Y, Rasouli Amirhajeloo L, Jafarzadeh S, **Rafieepour A**, Mirzaei M. Assessment non-carcinogenic risk of Cadmium in tap drinking water; City of Minab, Iran. *Journal of Environmental Science, Toxicology and Food Technology*. 2015; 9(3): 68-73.
- 16- Fakhri Y, Jafarzadeh S, langarizadeh Gh, Moradi B, **Rafieepour A**, Zandsalimi Y, Rasouli Amirhajeloo L, Mirzaei M. Determination of concentration and carcinogenic risk of arsenic tap drinking water; City of Minab, Iran. *Journal of Environmental Science, Toxicology and Food Technology*. 2015; 9(3): 33-7.
- 17- Fakhri Y, Mahvi AM, langarizadeh Gh, Jafarzadeh S, Moradi B, Zandsalimi Y, Rasouli Amirhajeloo L, **Rafieepour A**, Mirzaei M. Concentration of radon (Radon 222 and Thoron) in indoor air Decorative stone of warehouses and the effective dose by staff; Minab, Iran. *Journal of Environmental Science, Toxicology and Food Technology*. 2015; 9(3): 62-7.
- 18- Fakhri Y, Zandsalimi Y, Rasouli Amirhajeloo L, Jafarzadeh S, langarizadeh Gh, Moradi B, **Rafieepour A**, Mirzaei M. Non Carcinogen Risk Assessment Lead in Tap Drinking Water in Adult's Age Group; Minab city, Iran. *International Journal of Current Microbiology and Applied Sciences*. 2015; 4(3): 490- 8.
- 19- Fakhri Y, langarizadeh Gh, Jafarzadeh S, Moradi B, Zandsalimi Y, Rasouli Amirhajeloo L, **Rafieepour A**, Mirzaei M. Assessment of risk human health induce to chrome, nickel, lead

- and cadmium of the tap water; Jask City, Iran. *International Journal of Current Microbiology and Applied Sciences*. 2015; 4(3): 1009- 17.
- 20- Fakhri Y, langarizadeh Gh, Moradi B, Zandsalimi Y, Rasouli Amirhajeloo L, Jafarzadeh S, **Rafieepour A**, Mirzaei M. Concentration of arsenic in drinking water in Bandar Abbas city and quantitative risk assessment. Iran. *International Journal of Current Microbiology and Applied Sciences*. 2015; 4(3): 1024- 34.
- 21- **Rafieepour A**, Rafieepour E, Sadeghian M. Effectiveness of ergonomics training in decreasing the risk of musculoskeletal disorders based on rapid upper limb assessment among computer operators. *Journal of Ergonomics*. 2015; 3(1): 25-32.
- 22- Fakhri Y, Amanidaz N, Zandsalimi Y, Dadar M, Moradi A, Bigard Moradi, Rasouli Amirhajeloo L, Keramati H, **Rafieepour A**. Association between sodium bicarbonate consumption and human health: A systematic review. *International Journal of Medical Research & Health Sciences*. 2016; 5(8): 22-9.
- 23- Asghari M, **Rafieepour A**, Shahedi S, Mirzahoseini M, Chavooshi M, Abbassinia M. Assessment Criteria of Effective teaching of Expert Teachers based on occupational health students' viewpoints in Tehran University of Medical Sciences. *Journal of Paramedical Sciences*. 2016; 12;7(2):29-34.
- 24- Nassiri P, Monazzam MR, Golbabaei F, Dehghan SF, **Rafieepour A**, Mortezapour AR, Asghari M. Application of Universal Thermal Climate Index (UTCI) for assessment of occupational heat stress in open-pit mines. *Industrial Health*. 2017; 55(5): 437-43.
- 25- Asgari M, Azari M, Zandehdel R, Khodakarim S, **Rafieepour A**, Tavakol E, Abass Gohari F, Kamalifar S. Development of a New Method for Analysis of Oil Mists. *Health scope*. 2017; 6(3): e15114.
- 26- **Rafieepour A**, Asgari M, Azari M, Abbas Gohari F. Comparison of Fourier Transform Infrared and Ultraviolet Spectroscopy Techniques for Determination of Mineral Oils. *Iran Occupational Health*. 2018; 15(1): 47-54.
- 27- **Rafieepour A**, Nasiri P, Giahi O, Monazzam Esmailpour MR, Zakerian A, Mohammadian F. The effect of whole body vibration in a simulated environment on response time and mental performance. *Health and Safety at Work*. 2018; 7(4): 343-52.
- 28- Mohammadian Y, Rezazadeh Azari M, Peirovi H, Khodaghali 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*. 2018; 6: 1-12.
- 29- Asadi P, R.Azari M, **Rafieepour A**, Rahmati A. Feasibility of Biological Monitoring of Anatomy Laboratory Staff Exposed to Formaldehyde. *Health scope*. 2018; 7(4):e62470.

- 30- R.Azari M, Mohammadian Y, Pourahmad J, Khodaghohi 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.
- 31- R.Azari M, Mohammadian Y, Peirovi H, Omidi M, Khodaghohi F, Pourahmad J, Mehrabi Y, **Rafieepour A**. Antagonistic effect of co-exposure to short-multiwalled carbon nanotubes and benzo[a]pyrene in human lung cells (A549). *Toxicology and Industrial Health*. 2019; 35(6): 445–56.
- 32- Kamalifar S, R.Azari M, **Rafieepour A**, Asgari M, Zendehtdel R, Soori H, Tavakol E, Rahmati AR, N.Ghaziani M. Alternative Method for the Analysis of Water-Based Metalworking Fluids Using Fourier Transform Infra-Red Spectroscopy. *Iranian Journal of health, safety and environment*. 2019; 6(3):1323-9.
- 33- Safinejad M, R.Azari M, Zendehtdel R, **Rafieepour A**, Khodakarim S, Khodarahmi B. Occupational and biological monitoring of workers exposed to airborne dust in Gol-e-Gohar Iron Ore mine: A Case-Control Study. *Iran Occupational Health*. 2019; 16 (1) :23-32.
- 34- **Rafieepour A**, R.Azari M, Khodaghohi F, Pourahmad Jaktaji J, Mehrabi Y, Peirovi H. The Effect of singular and combined exposures to nanoparticles of magnetite iron oxide and polymorphous silicon dioxide on the toxicity of human A₅₄₉ cell line. *Environmental Science and Pollution Research*. 2019; 26:31752-62.
- 35- **Rafieepour A**, R.Azari M, Peirovi H, Khodaghohi F, Pourahmad Jaktaji J, Mehrabi Y, Naserzadeh P, Mohammadian Y. Investigation of the effect of magnetite iron oxide particles size on cytotoxicity in A₅₄₉ cell line. *Toxicology and Industrial Health* 2019; 35(11-12):703-13.
- 36- **Rafieepour A**, R. Azari M, Khodaghohi F, Pourahmad Jaktaji J, Mehrabi Y, Peirovi H. The effect of single and combined exposures to magnetite and polymorphous silicon dioxide nanoparticles on the human A₅₄₉ cell line: in vitro study. *Environmental Science and Pollution Research*. 2019; 26: 31752-62.
- 37- Irvani H, Jafari M J, Zendehtdel R, Khodakarim S, **Rafieepour A**. Removing H₂S gas from the air stream using zeolite ZSM-5 substrate impregnated with magnetite and ferric nanoparticles. *Journal of Health and Safety at Work*. 2020; 10(1):24-36.
- 38- Jafari MJ, Zendehtdel R, **Rafieepour A**, Nakhaeipour M, Irvani H, Khodakarim S. Comparison of Y and ZSM-5 zeolite modified with magnetite nanoparticles in removal of hydrogen sulfide from air. *International Journal of Environmental Science and Technology*. 2020; 17(1):187-94.

- 39- **Rafieepour A**, R. Azari M, Pourahmad Jaktaji J, Khodagholi F, Peirovi H, Mehrabi Y, Mohammadian Y. The Effect of Particle Size on the Cytotoxicity of Amorphous Silicon Dioxide: An in Vitro Toxicological Study. *Asian Pacific Journal of Cancer Prevention*. 2021; 22(2): 325-32.
- 40- **Rafieepour A**, Rezazadeh. Azari M, Khodagholi F, Pourahmad Jaktaji J, Mehrabi Y, Peirovi H. Interactive toxicity effect of combined exposure to hematite and amorphous silicon dioxide nanoparticles in human A₅₄₉ cell line. *Toxicology and Industrial Health*. 2021; 37(5): 289-302.
- 41- **Rafieepour A**, R.Azari M, Pourahmad Jaktaji J, Khodagholi F, Peirovi H, Mehrabi Y, Mohammadian Y. The Effect of Particle Size on the Cytotoxicity of Amorphous Silicon Dioxide: An in Vitro Toxicological Study. *Asian Pacific Journal of Cancer Prevention*. 2021; 22(2): 325–332.
- 42- Zendehtdel R, Parsarad M, Asgari Gandomani E, Panjali Z, **Rafieepour A**, Mohammadi Z, Zahra Moradpour, Vahabi M, Mohammad Alipour M, Gholamiarjenaki R. Risk assessment of chemical mixtures by benchmark dose-principle component analysis approach in occupational exposure. *Environmental Science and Pollution Research*. 2021; 13: 1-6.
- 43- **Rafieepour A**, Masoumi GR, Dehghani A. Health responses during the COVID-19 pandemic: An international strategy and experience analysis. *Health in Emergencies & Disasters Quarterly*. 2021; 6(3): 147-60.
- 44- **Rafieepour A**, Masoumi GR, Rezazadeh Azari M, Dehghani A. Airborne particulate matter and increased risk of COVID-19 infection. *Journal of Health in the Field*. 2021; 8(3): 1-7.
- 45- **Rafieepour A**, Rezazadeh. Azari M, Khodagholi F. Cytotoxic effects of crystalline silica in form of micro and nanoparticles on the human lung cell line A549. *Toxicology and Industrial Health*. 2022; 38(13):1-13.
- 46- Safarpour H, Ghomian Z, **Rafieepour A**. Hookah: a cultural risk factor for the COVID-19 outbreak in Iran. *Journal of Substance Use*. 2022; 27(3): 229-230.
- 47- **Rafieepour A**, Farhang Dehgahn S, Firoozi M, Gorji R, Ardalan A, Vaziri MH. Study Highlights Impact of Smoking on Hearing Loss Among Workers Exposed to Noise. *Hearing Journal*. 2022; 75(9): 24-28.
- 48- Alimohammadi I, Vosoughi Sh, Abolghasemi G, **Rafieepour A**, Tabatabaei H, Delshadi B. Comparison of the Risk of Musculoskeletal Disorders among Normal and Students with Hearing Abnormalities in Ilam City. *Iranian Journal of Ergonomics*. 2022; 10(2): 120-112.
- 49- Rafiei M, Farshad A.A, Mirkazemi R, Taheri F, Omidmorad A, **Rafieepour A**. The Effect of Shift Working Pattern on Health, Fatigue and Mood Swings of Metro Drivers of Tehran Urban & Suburban Railway Company. *Iran Occupational Health*. Accepted.

Research Project

1. Assessment of the physical work capacity and VO_{2max} of students in Hamadan University of Medical Sciences-2010. (Finished)
2. Performance comparison between the carbon nanotubes and conventional activated charcoal in adsorption of benzene vapors. (Finished)
3. Measuring the amount of ultraviolet radiation in the Arak city. (Finished)
4. Investigating the effect of ergonomics training on reducing the risk of musculoskeletal disorders in computer users of the administrative department in Arak University of Medical Sciences in 1990. (Finished)
5. Investigating the effect of exposure to flour dust on the respiratory performance of workers in flour production factories in Arak city. (Finished)
6. Investigating the amount of carbon monoxide in houses with gas wall water heaters. (Finished)
7. Investigation of the use of multi-walled carbon nanotubes in the removal of heavy metals (aluminum, cadmium and nickel) from the effluent of the aluminum industry. (Finished)
8. Investigating the effective factors in the beginning and continuation of smoking and hookah use among middle school and high school students in Isfahan (2016-2017). (Finished)
9. Comparison between 5524-NIOSH standard method and FTIR method in determining the amount of mineral oil mist. (Finished)
10. Investigating the effect of smoking on occupational hearing loss in a metal industry in Central province. (Finished)
11. Systematic review of the effect of sodium bicarbonate consumption on human health. (Finished)
12. Application of Kirkpatrick model in evaluating the educational program for prevention of arbitrary use of drugs in women covered by health houses in zone 3 of Tehran. (Finished)
13. Development and validation of a method of sampling and analysis of water based metalworking liquids by spectroscopy. (Finished)
14. Comparison of the effect of magnetite iron oxide particle size (micro and nanoparticles) on the cytotoxicity in A₅₄₉ cell line: In vitro study. (Finished)
15. Determination of toxicity in single and combined exposure with silicon dioxide and hematite iron oxide nanoparticles on human lung A₅₄₉ cell line: In vitro study. (Finished)
16. Determination of toxicity of silicon dioxide micro and nanoparticles on human lung A₅₄₉ cell line: In vitro study. (Finished)
17. Determination of toxicity of amorphous silicon dioxide micro and nanoparticles on human lung A₅₄₉ cell line: In vitro study. (Finished)
18. Evaluation of in vitro toxicity of Sirjan Gol-e-Gohar mine respirable airborne dust in real concentration at work on human lung A₅₄₉ cell line. (running)

Reviewer in Journals

- 1- Iran Occupational Health journal
- 2- Journal of Safety Promotion and Injury Prevention
- 3- Health in the Field
- 4- Journal of Arak University Medical Sciences
- 5- International Journal of Environmental Health Research

6- Archive of Current Research International

7- Payesh

8- Rahavard Salamat Journal

Book

- 1- Occupational Disease and Epidemiology. Mohammad-Hossein Vaziri, Ashkan Khatabakhsh, Atousa Dolatyari, Athena Rafieepour. Shahid Beheshti University of Medical Science Publisher.2019. ISBN: 978-964-8858-34-1.
- 2- Health care center in epidemics, emergencies and disasters. Pirhossein Kolivand, Zohreh Ghomian, Gholamreza Masoumi, Ali gohari, Arezoo Dehghani, Athena Rafieepour, Zahra Eskandari, Pooneh Maziar. 2021. ISBN: 978-964-422-963-3.
- 3- Determining health exposure limits for chemicals without threshold limit value. Mansour Rezazadeh Azari, Athena Rafieepour. 2022. ISBN: 978-622-5964-16-7.

Experimental Skills:

- Air Monitoring (Sampling and Analysis)
- Occupational and Environmental Toxicology (Nano Toxicity, Cytotoxicity, In Vitro Study, Epidemiologic Study)
- Biological Monitoring
- Occupational Toxicology
- Risk Assessment
- Control Methods for Adverse Physical and Chemical Agent
- Ergonomic Assessment
- Physical Agent
- Occupational Radiation measurement

Computer Ability:

- Windows
- Microsoft Office
- End Note
- Advanced search in Internet
- Statistics: SPSS

Training Workshop

- 1- Asbestos health hazard workshop. Arak Health Center (teacher)
- 2- Workplace Ergonomics. Shazand Petrochemical Company (teacher)
- 3- Word. Arak Student Scientific Society (teacher)
- 4- Advanced PowerPoint Presentation (mentor)
- 5- Research Methodology. Arak Student Scientific Society (teacher)

- 6- Research Methodology. Arak Student Research Committee (teacher)
- 7- Firefighter Workshop. Arak Student Scientific Society (teacher and mentor)
- 8- Spirometry Workshop. Arak Student Scientific Society (mentor)
- 9- HSE Workshop. Arak Student Scientific Society (mentor)
- 10- Firefighter Workshop. Vali-e-Asr Hospital (teacher and mentor)
- 11- Workplace Ergonomics for Nurses. Vali-e-Asr and Amir Kabir Hospitals (teacher)
- 12- Workplace Ergonomics for Office Staff. Arak University of Medical Sciences (teacher)
- 13- Safety in Laboratory. Shahid Beheshti University of Medical Sciences (teacher)

Publisher activity:

1. Chief Editor of Saba magazine
2. Chief Editor of Sib-e-Salamat periodical magazine