



CURRICULUM VITAE

(Updated May, 2024)

Somayeh Farhang Dehghan

(PhD in Occupational Health)

Academic Education

Degree	Major	Tendency	University	Title of Thesis/Dissertation
Ph.D. (2011-2016)	Occupational Health	Air Filtration	Tehran University of Medical Sciences	The experimental development of nonwoven nanofibrous filter media for air filtration of nano-sized particles
M.S. (2008-2011)	Occupational Health	Noise Exposure control	Tehran University of Medical Sciences	Assessment and control of noise and vibration pollution in a national petrochemical company
B.S.	Occupational Health	-	Iran University of Medical Sciences	-

Professional Appointments / Employment

- ✓ **Associate Professor** in Department of Occupational Health and Safety, School of Public Health and Safety, Shahid Beheshti University of Medical Sciences: 2017 to present.
- ✓ **Director of the Postgraduate Office** in School of Public Health and Safety: 2022- Present
- ✓ **Vice-President for Research Affairs** in Environmental and Occupational Hazards Control Research Center: 2019- Present
- ✓ **Director of the Technology** in School of Public Health and Safety: 2022- Present
- ✓ **Deputy of the Health Science Incubator** in Shahid Beheshti University of Medical Sciences: 2023- Present
- ✓ **Member** of International Commission on Occupational Health: 2022 to present.
- ✓ **Founder** of knowledge-based company in the field of air pollutant sampling filters: 2022 to present.
- ✓ **Board member** of Iranian Occupational Health Association: 2022 to present.
- ✓ **Member** of the National & International Standard Development Committee in the field of Nanotechnology Safety, Iran Nanotechnology Innovation Council: 2012 to present.
- ✓ **Editorial board** and **reviewer** in the different scientific journals related to Occupational Health: 2017 to present.

Awards and honors

- ✓ The winner of the Shahid Chamran Scientific Award provided by **Iran's National Elites Foundation**, 2018-2019.
- ✓ **Prominent PhD graduates** from Tehran University of Medical Sciences, 2016-2017.
- ✓ The **Top Inventor** of The 28th Razi Medical Sciences Research Festival, 2023.

Scientometric links

Journal Article

Patents

Books & Standards

Executive Activities

Research Projects

Papers in congress

Teaching

Thesis & Dissertation

Publication: Journal Article

Articles extracted from M.S. thesis	Title	Journal	Year	Language	First or Corresponding Author	Indexing
	Presentation of a Model or Prioritization of Noise Risk at Petrochemical Plant.	Human & Environment	2011	Persian	-	ISC
	Evaluation of Noise Pollution and Possibility of Its Control in a Petrochemical Plant.	Journal of Health and Safety at Work	2011	Persian	✓	ISC
	Study on the Noise Assessment and Control at a Petrochemical Company	Noise & Vibration Worldwide	2013	English	✓	Scopus
	A Prioritization Approach for Noise Risk Management in a Petrochemical Complex	Journal of occupational health	2013	English	-	ISI/PubMed/Scopus
	The assessment of the environmental and personal noise in a petrochemical plant	Iran Occupational Health	2013	Persian	✓	Scopus
	The Assessment of Noise Exposure and Noise Annoyance at a Petrochemical Company	Journal of Health and Safety at Work	2013	Persian	✓	ISC
	Determination of the dominant sound source in an Air production plant of a petrochemical industry and assessing the effectiveness of its enclosing	Occupational Medicine Quarterly Journal	2015	Persian	-	ISC
Articles extracted from PhD dissertation	Assessment of dust holding capacity of nanofiber media and its ability to capture synthetic dust	Journal of Military Medicine	2022	Persian	✓	Scopus
	Role of the Electrostatic Mechanism in the Filtration Process of Nanofibers	Iranian Journal of Materials Science and Engineering	2021	English	✓	ISI/Scopus
	Comparison of filtration performance between neat and plasma-treated PAN / MgO nanofibers in the removal of 10 to 1000 nm particles	Iran Occupational Health	2021	English	✓	Scopus
	Production of nanofibers containing magnesium oxide nanoparticles for removing bioaerosol	Pollution	2020	English	✓	ISI/Scopus
	Possibility of using plasma-processed hybrid nanofibers to remove toluene in air stream	Journal of Health and Safety at Work	2019	Persian	✓	ISI
	Optimization of Electrospinning Parameters for PAN-MgO Nanofibers Applied in Air Filtration	Journal of the Air & Waste Management Association	2016	English	✓	ISI/PubMed/Scopus
	Fabrication and Optimization of Electrospun Polyacrylonitrile Nanofiber for Application in Air Filtration	Iran Occupational Health	2016	Persian	✓	Scopus
	Effect of single-walled carbon nanotubes on the porosity of nonwoven nanofiber filter media	Nanomaterials	2015	Persian	✓	ISC

	Title	Journal	Year	Language	First or Corresponding Author	Indexing
	The Development of Nanofibrous Filter Media Containing Nanoparticles for Removing Particles of Air Stream	Iranian Journal of Health and Environment	2016	Persian	✓	ISC
	Experimental Investigations on Electrospun Mat Production: For Use in High-Performance Air Filters	International Journal of Occupational Hygiene	2015	English	✓	ISC/ NLM catalog
Articles extracted from research projects, theses and dissertations during employing in Shahid Beheshti University of Medical Sciences	The Effect of Co-Exposure to Heat Stress and Whole-Body Vibration on Auditory-Visual Attention and Reaction Time in a Laboratory Setting	Journal of Occupational Health and Epidemiology	2024	English	-	Scopus
	Multi-metal Nanozyme Properties for Colorimetric Peroxidase Reaction: Overview of an Applicable Method Validation for H2O2 Detection	Journal of Inorganic and Organometallic Polymers and Materials	2024	English	-	ISI, Scopus
	Optimization and Development of workwear fabric coated with TiO2 nanoparticles in order to improve Thermal insulation properties and air permeability	Journal of Industrial Textiles	2024	English	-	ISI, Scopus
	Burton's Line on the Gum Seen in Lead Poisoning Among Petroleum Refinery Workers in Kirkuk City, Iraq: A Case Series	Cureus	2024	English	-	ISI, Pubmed
	Optimization of the removal of toluene in the air by activated carbon / ZIF-8 metal-organic framework	Pollution	2024	English	✓	ISI, Scopus
	Thermal Profile of Iran in Summer Season using Thermo-hygrometric Index (THI)	Scientific Journal of Kurdistan University of Medical Sciences	2024	Persian	✓	Scopus
	Study of Anxiety Levels and Sleep Quality in Workers Exposed to Whole Body Vibration: A Case Study in a Foundry Industry	Journal of Military Medicine	2024	Persian	✓	Scopus
	Risk management of engineered nanomaterials at workplaces: Narrative review on available frameworks and tools	Journal of Health and Safety at Work	2024	Persian	✓	ISI, Scopus
	Assessment of Bioclimatic Conditions of a Cold Climate in Iran- Kurdistan using Wind Chill Index (WCI)	International Journal of Ecology and Development	2024	English	✓	ISI

Title	Journal	Year	Language	First or Corresponding Author	Indexing
The removal of toluene vapors using metal-organic framework adsorbent	Safety Promotion and Injury Prevention	2023	Persian	✓	ISC
Providing a risk management tool for handling with nanomaterials based on Control Banding approach	Safety Promotion and Injury Prevention	2023	Persian	✓	ISC
Antimicrobial activity and cytotoxicity of cotton-polyester fabric coated with a metal-organic framework and metal oxide nanoparticle	Applied Nanoscience	2023	English	✓	ISI, Scopus
Feasibility study on the removal of toluene from the air stream by activated carbon/zeolite imidazolate framework composite material	Journal of Environmental Chemical Engineering	2023	English	✓	ISI, Scopus
The use of emerging technologies in Occupational Health and Safety: Volume II	Frontiers in Public Health	2023	English	✓	ISI/PubMed/Scopus
Testicular Histopathology in Rats Co-Exposed to Heat and Psychological Stressors	Heliyon	2023	English	✓	ISI/PubMed/Scopus
Editorial: Emerging Technologies in Occupational Health and Safety	Frontiers in Public Health	2023	English	✓	ISI/PubMed/Scopus
Health and Carcinogenic Risk Assessment of Exposure to by-products of Photocatalytic Degradation of Toluene in a Spouted Bed Reactor with Porous and Non-porous Draft Tube	Asian Pacific Journal of Cancer Prevention	2023	English	-	PubMed/Scopus
Optimizing the structural characteristics of draft tube in a spouted bed reactor for best toluene photocatalytic degradation and CO ₂ selectivity using response surface methodology	Journal of Porous Media	2023	English	-	ISI/Scopus
Investigating the Relationship between Noise Exposure and the Level of Some Reproductive Hormones in Men Working in Power Plants	Journal of Military Medicine	2022	Persian	-	Scopus
Comparison of the effectiveness of textiles containing metal nanoparticle and metal-organic frameworks for protection against ultraviolet radiation: a systematic review and meta-analysis	Journal of the Textile Institute	2022	English	-	ISI/Scopus
UV protection properties of workwear fabric coated with metal-organic frameworks	Journal of Industrial Textiles	2022	English	✓	ISI/Scopus

Title	Journal	Year	Language	First or Corresponding Author	Indexing
Spatio-Temporal Evolution of Thermo-Hygrometric Index (THI) During Cold Seasons: A Trend Analysis Study in Iran	Sustainability	2022	English	✓	ISI/Scopus
Assessment of semen quality of taxi drivers exposed to whole body vibration	Journal of Occupational Medicine and Toxicology	2022	English	✓	ISI/Scopus
UV protection properties of workwear fabrics coated with TiO ₂ nanoparticles	Frontiers in Public Health-	2022	English	✓	ISI/PubMed/Scopus
The assessment of oxidative stress parameters of workers co-exposed to noise and whole body vibration: A case study in a foundry industry	Journal of Health and Safety at Work	2022	Persian	-	ISI/Scopus
Consistency assessment between Summer Simmer Index and other Heat Stress indices (WBGT and Humidex) in Iran's climates	Urban Climate	2022	English	-	ISI/Scopus
Trend Investigation of Thermal Comfort in Different Climates of Iran in Past Decades	Environmental and Climate Technologies	2022	English	-	ISI/Scopus
Trend of Thermal Comfort Indices Based on Temperature and Humidity in Three Different Climates of Iran	Research Journal of Environmental Sciences	2022	English	✓	DOAJ
Optimizing the Electrospinning Parameters in Polyvinyl Chloride Nanofiber Fabrication for air filtering using CCD	Research Journal of Textile and Apparel	2022	English	✓	ISI/Scopus
Fabrication of electrospun membranes for air sampling applications: A statistical optimization approach	Journal of Air Pollution and Health	2022	English	✓	Scopus
Traffic noise induces oxidative stress and phytohormone imbalance in two urban plant species	Basic and Applied Ecology	2022	English	-	ISI/Scopus
The influence of Vitamin E and Omega-3 Fatty Acids on Reproductive Health Indices among Male Workers Exposed to Electromagnetic Fields	American Journal of Men's Health	2022	English	✓	ISI/PubMed/Scopus
Trend Analysis of Humidex as a Heat Discomfort Index Using Mann-Kendall and Sen's Slope Estimator Statistical Tests	Environmental Health Engineering and Management Journal	2022	English	-	ISI/Scopus
Impact of Smoking on Hearing Loss Risk of Metalworkers Exposed to Noise	Hearing Journal	2022	English	-	Scopus
Development and Validation of Assessment Tool of Knowledge, Attitude, and Practice of Outdoor Workers Regarding Heat Stress	WORK: A Journal of Prevention, Assessment & Rehabilitation	2022	English	-	ISI/PubMed/Scopus
Preparation of photocatalytic TiO ₂ -Polyacrylonitrile Nanofibers for Filtration of Airborne Microorganisms	Iranian Journal of Public Health	2022	English	-	ISI/PubMed/Scopus

Title	Journal	Year	Language	First or Corresponding Author	Indexing
Trend Analysis and Temporal and Spatial Distribution of Wet Bulb Globe Temperature as a Heat Stress Index in Iran	Journal of Environmental Health and Sustainable Development	2022	English	-	Scopus
Effect of anthropometric and demographic factors on musculoskeletal disorders in nurses' aides	WORK: A Journal of Prevention, Assessment & Rehabilitation	2022	English	✓	ISI/PubMed/Scopus
Effect of co- exposure to heat and psychological stresses on serum levels of testosterone hormone in male rats	Koomesh	2021	Persian	✓	Scopus
Educational Need Assessment of Occupational Health Inspectors in Tehran province	Occupational Hygiene and Health Promotion	2021	Persian	-	ISC/NLM catalog
Hemato-Biochemical Responses of Rats co-exposed to Heat Stress and Trichloroethylene Vapors	Russian Open Medical Journal	2021	English	-	ISI / Scopus
Effect of Co-exposure to Heat and Psychological Stressors on Sperm DNA and Semen Parameters	Toxicology Reports	2021	English	✓	ISI/PubMed/Scopus
Feasibility Study on the Application of Electrospun Nanofiber Webs for the Air Sampling of Crystalline Silica	Industrial Health	2021	English	✓	ISI/PubMed/Scopus
Effects of Combined Exposure to Heat and Psychological Stress on Oxidative Stress Parameters of Adult Male Rats	Toxicology and Environmental Health Sciences	2021	English	✓	Scopus
Effect of traffic noise on the physiological characteristics of Salvia splendens	Plant Process and Function	2021	English	-	ISC/NLM catalog
The Effects of Combined Exposure to Road Traffic Noise and Whole Body Vibration on Types of Attention among Men	Medicina del Lavoro	2021	English	✓	ISI/PubMed/Scopus
Comparison of mice' sperm parameters exposed to some hazardous physical agents	Environmental Health and Toxicology	2021	English	-	PubMed/Scopus
Applicability of Air Enthalpy for Heat Stress Assessment of Outdoor Environments in Different Climates of Iran	Theoretical and Applied Climatology	2021	English	-	ISI/Scopus
Development and Validation of Assessment Tool of Knowledge, Attitude, and Practice of Outdoor Workers Regarding Heat Stress	WORK: A Journal of Prevention, Assessment & Rehabilitation	2021	English	-	ISI/PubMed/Scopus
Comprehensive Analysis and Investigation of Accident/Occupational Disease Responsibility Rates: A Case Study for Accidental CO Poisoning	Science & Justice	2021	English	-	ISI/PubMed/Scopus
Comparing tinnitus characteristics at high-risk and low-risk occupations from the perspective of occupational noise exposure	International Tinnitus Journal	2021	English	-	ISI/PubMed/Scopus

Title	Journal	Year	Language	First or Corresponding Author	Indexing
Relationship between occupational exposure to whole-body vibration and noise with Sex Hormone Levels: An empirical assessment in an Automobile Parts Manufacturing Plant	Toxicology and Industrial Health	2021	English	-	ISI/PubMed/Scopus
The effect of nano-and micro fillers on thermal properties of Polyurethane foam	International Journal of Environmental Science and Technology	2021	English	-	ISI/PubMed/Scopus
Assessment of sexual hormones in foundry workers exposed to heat stress and electromagnetic fields	Reproductive Toxicology	2021	English	-	ISI/PubMed/Scopus
Removal of Bioaerosols Using Metal-Organic Frameworks Incorporated into Electrospun Nanofibers	Fibers and Polymers	2021	English	-	ISI/PubMed/Scopus
The combined effect of industrial noise type, level and frequency characteristics on hand motor skills: A Lab Trial Study	WORK: A Journal of Prevention, Assessment & Rehabilitation	2021	English	-	ISI/PubMed/Scopus
Relationship between exposure to Extremely Low Frequency (ELF) magnetic field and the level of some reproductive hormones among power plant work	Journal of Occupational Health	2021	English	-	ISI/PubMed/Scopus
Assessment of SARS-CoV-2 in air and surfaces of ICU ward in one of the designated hospitals in Tehran	Iran Occupational Health	2020	Persian	✓	Scopus
Preparation of photocatalytic TiO ₂ -Polyacrylonitrile Nanofibers for Filtration of Airborne Microorganisms	Iranian Journal of Public Health	2021	English	-	ISI/PubMed/Scopus
Inside-tube SPME as an interlink between solid-phase microextraction and needle device for n-hexane evaluation in air and urine Headspace	Biomedical Chromatography	2020	English	-	ISI/PubMed/Scopus
The Effects of Climate Change on the Health of Outdoor Workers	Archives of Occupational Health	2020	English	✓	ISC
Effects of Co-Exposure to Noise and JP-4 Jet Fuel on Hearing Loss in Rats	Journal of Military Medicine	2020	Persian	-	Scopus
Effect of combined exposure to traffic noise and whole body vibration on attention and response control in men	Iran Occupational Health	2020	Persian	✓	Scopus
Applicability of the model presented by Australian Bureau of Meteorology to determine WBGT in outdoor workplaces: A case study	Urban Climate	2020	English	-	ISI/Scopus
Assessment of the potential release of nanomaterials from electrospun nanofiber filter media	Nano Impact	2020	English	-	ISI/Scopus
Modeling Heat Stress Changes Based on Wet-Bulb Globe Temperature in Respect to Global Warming	Journal of Environmental Health Science & Engineering	2020	English	-	ISI/PubMed/Scopus

Title	Journal	Year	Language	First or Corresponding Author	Indexing
Development and validation of a questionnaire designed to assess employee satisfaction of environmental health and safety management system (HSE-MS)	Journal of Occupational Hygiene Engineering	2020	Persian	✓	ISC/Scholar
The Relationship between Sound Pressure Level with Cognitive Failure Indicators and Noise Injury in a Ceramic Industry	Iran Occupational Health	2020	Persian	-	Scopus
Relationship between heat stress exposure and some immunological parameters among foundry workers	International Journal of Biometeorology	2020	English	-	ISI/PubMed/Scopus
Investigating the Relationship between Exposure Level to Sound Pressure Level (SPL) and Light Intensity with Occupational Burnout in an Automotive Parts Industry	Journal of Biochemical Technology	2020	English	✓	ISI
Assessing the monthly changes of heat stress indices in outdoor environment during a 15-year period: Case of study in a dry and warm climate	Urban Climate	2020	English	-	ISI/Scopus
Comparison of different heat stress indices for assessing farmers' exposure to heat stress	Iranian Journal of Public Health	2020	English	-	ISI/PubMed/Scopus
Improvement of the sound absorption properties of flexible polyurethane (PU) foam using nanofibers and nanoparticles	Sound & Vibration	2019	English	-	ISI/Scopus
Relationship between noise annoyance and job burnout among exposed worker to noise pollution: A case study in ceramic industry	Journal of Safety Promotion and Injury Prevention	2019	Persian	-	ISC
Investigation of Acoustic Properties of Polymer Nanocomposites regarding Combined Sound Absorption and Insulation Characteristics	Journal of Health and Safety at Work	2019	Persian	-	ISI
Investigating the relationship between Heat Stress and workers' blood Parameters in a Foundry	Journal of Military Medicine	2019	Persian	-	Scopus
Thermal Comfort and Heat Stress Indices in Outdoor Occupations over 15 Years: A Case Study in Mediterranean Climate	Weather	2019	English	-	ISI/Scopus
Effect of High Light Level on Sperm parameters in Mice	Iran Occupational Health	2019	Persian	-	Scopus
Presentation of an Operational Program to Reduce vulnerability of outdoor workers to heat stress and climate change	Iran Occupational Health	2019	Persian	-	Scopus
Review of literature on occupational exposure to the dusts in Iran over the past 14 years	Journal of Health and Safety at Work	2019	Persian	-	ISI
Effect of occupational exposure to extremely low frequency electromagnetic fields on level of thyroid hormones effective on fatigue	Iran Occupational Health	2019	Persian	✓	Scopus

Title	Journal	Year	Language	First or Corresponding Author	Indexing
Anthropometric measurements and postural evaluation of Nurse's aide in Selected Hospitals of Shahid Beheshti University of Medical Sciences	Journal of Patient Safety & Quality Improvement	2019	English	✓	ISC
Interactive effect of background variables and workload parameters on the quality of life among nurses working	Journal of Clinical and Diagnostic Research	2019	English	-	ISI/PubMed/Scopus
Occupational Exposure to Fumes and Gases during Different Arc Welding Processes	International Journal of Occupational Hygiene	2019	English	✓	NLM catalog
The Relationship between Exposure to Lead-Containing Welding Fumes and the Levels of Reproductive Hormones	Annals of Global Health	2019	English	✓	ISI/PubMed/Scopus
Investigation of the accidents recorded in an Emergency Management Center using the Pareto chart: A cross-sectional study in Gonabad, Iran during 2014-2016	Health in Emergencies & Disasters Quarterly	2018	English	-	Scopus
Health risk of whole-body vibration exposure among fork-lift truck drivers at two position with and without load: A case study in an automobile company	Occupational Medicine Quarterly Journal	2018	Persian	-	ISC
Evaluation of the combined effects of heat and lighting on the level of attention and reaction time : climate chamber experiments in Iran	Scientific World Journal	2018	English	-	ISI/Scopus
Evaluation of potential biomarkers of exposure to crystalline silica: A Case Study in an Insulator Manufacturer	Toxicology and Industrial Health	2018	English	-	ISI/PubMed/Scopus
The Relationship between exposure to manganese in welding fumes and incidence of migraine headache symptoms	Tehran University Medical Journal	2018	Persian	-	Scopus
Investigating effective parameters on the nanoparticles air filtration using Polyurethane nanofiber mats	Journal of Health and Safety at Work	2018	Persian	-	ISI
Determination of optimum index for heat stress measurement considering physiological parameters, in the steel industries	Journal of Health and Safety at Work	2018	Persian	-	ISI
Preparation and optimization of multifunctional electrospun Polyurethane/Chitosan nanofibers for air pollution control applications	International Journal of Environmental Science and Technology	2018	English	-	ISI/PubMed/Scopus
Evaluation of operational parameters role on the emission of fumes	Industrial Health	2018	English	-	ISI/PubMed/Scopus
Modeling the consequences of explosion, fire and gas leakage in domestic cylinders containing LPG	Annals of Medical and Health Sciences Research	2018	English	-	ISI/PubMed/Scopus

	Title	Journal	Year	Language	First or Corresponding Author	Indexing
	Effect of Heat Stress on Productivity Loss of Outdoor Workers: A Case Study in A Hot and Dry Climate	Journal of Health	2018	Persian	-	ISC
	Examining performance of the conventional and photocatalytic HEPA filters on removal of the airborne microorganisms	Health and Safety at Work	2018	Persian	-	ISI
	Prevalence of musculoskeletal disorders among the office staff of a communication service company and its relationship to work load and occupational fatigue	Journal of Preventive Medicine	2018	Persian	-	ISC
	Toxic effects of sub-acute inhalation exposure to trichloroethylene on serum lipid profile, glucose and biochemical parameters in Sprague Dawley rats	Inhalation Toxicology	2018	English	-	ISI/PubMed/Scopus
	Assessment of contrast perception of obstacles in tunnel entrance	Health Promotion Perspectives	2018	English	-	ISI/PubMed/Scopus
Articles extracted from research projects during Ph.D. course	Assessment of semen quality among the workers exposed to heat stress in a steel industry	Safety and health at work	2017	English	-	PubMed/Scopus
	A Study on the Effect of Job Burnout and Stress on Job Satisfaction among Teachers of Exceptional Schools	Pharmacophore	2017	English	-	ISI
	Application of Universal Thermal Climate Index (UTCI) for assessment of occupational heat stress in open-pit mines	Industrial health	2017	English	-	ISI/PubMed/Scopus
	Survey of discomfort glare from the headlamps of cars widely used in Iran	Traffic Injury Prevention	2017	English	-	ISI/PubMed/Scopus
	Pulmonary Functions and Health-Related Quality Of Life among Silica-Exposed Workers	Tanaffos	2017	English	-	PubMed
	Offering a Model for Estimating Black Globe Temperature according to Meteorological Measurements	Meteorological Applications	2017	English	-	ISI/Scopus
	Evaluation of serum and urinary neopterin levels as a biomarker for occupational exposure to crystalline silica	Annals of Medical and Health Sciences Research	2017	English	-	ISI/PubMed
	Assessment of occupational exposure to crystalline silica in an Insulator industry: determination the risk of mortality from silicosis and lung cancer	Journal of Health and Safety at Work	2017	Persian	-	ISI
	Agriculture from the point of view of occupational health engineering	Journal of HSE	2017	Persian	✓	Scientific journal

Title	Journal	Year	Language	First or Corresponding Author	Indexing
The influence of occupational heat exposure on cognitive performance and blood level of stress hormones: A field study report	International Journal of Occupational Safety and Ergonomic	2016	English	-	ISI/PubMed/Scopus
Exposure assessment of arc welders to extremely low frequency magnetic field: its relationship with the secretion of parathormone hormone and mood states	Journal of Health and Safety at Work	2016	Persian	-	ISI
The comparative assessment of welders' exposure to welding fumes based on mass concentration and number concentration	Journal of Health and Safety at Work	2016	Persian	-	ISI
Assessment of the effect of welding fumes on welders' cognitive failure and health-related quality of life	International Journal of Occupational Safety and Ergonomic	2016	English	-	ISI/PubMed/Scopus
Cyclone separators	Journal of HSE	2016	Persian	✓	Scientific journal
Safety evaluation of the lighting at the entrance of a very long road tunnel: A case study in Ilam	Safety and Health at Work	2016	English	-	PubMed/Scopus
Validating the Heat Stress Indices for Using In Heavy Work Activities in Hot and Dry Climates	Journal of Research in Health Sciences	2016	English	-	PubMed/Scopus
Applicability of Universal Thermal Climate Index (UTCI) in occupational heat stress assessment: a case study in Brick industries	Industrial health	2016	English	-	ISI/PubMed/Scopus
Assessment of noise effects of wind turbine on the general health of staff at wind farm of Manjil, Iran	Journal of Low Frequency Noise, Vibration and Active Control	2016	English	-	ISI/PubMed/Scopus
The Effect of Occupational Noise Exposure on Blood and Biochemical Parameters: A Case Study of an Insulator Manufacturer in Iran	Electronic Physician	2016	English	✓	PubMed
Heat Stress Assessment in Outdoor Workplaces of a Hot Arid Climate Based on Meteorological Data: A Case Study in Qom, Iran	Journal Mil Med	2015	Persian	-	Scopus
The Effect of Fabric Type of Common Iranian Working Clothes on the Induced Cardiac and Physiological Strain Under Heat Stress	Archives of environmental & occupational health	2015	English	-	ISI/PubMed/Scopus
Respiratory effects of exposure to flour dust: A case study among workers of flour production factories in Arak	Journal of Paramedical Sciences	2015	English	-	ISC/NLM catalog
Comparison of adsorption isotherms and kinetics of naphthalene and phenanthrene at activated carbon beds in the organic n-hexane solution	Journal of Health and Safety at Work	2015	Persian	-	ISI
Relationship between oral temperature and sleepiness among night workers in a hot industry	Journal of Paramedical Sciences	2015	English	-	ISC/NLM catalog

Title	Journal	Year	Language	First or Corresponding Author	Indexing
Operation of electrostatic precipitators	Journal of HSE	2015	Persian	✓	Scientific journal
The Effects of Heat Stress on Selective Attention and Reaction Time among Workers of a Hot Industry: Application of Computerized Version of Stroop Test	Journal of Health and Safety at Work	2015	Persian	-	ISI
The interactive effect of industrial noise type, level and frequency characteristics on occupational skills	Performance Enhancement & Health	2015	English	-	PubMed/ Scopus
Productivity loss from occupational exposure to heat stress: A case study in Brick Workshops/Qom-Iran	International Journal of Occupational Hygiene	2014	English	-	ISC/ NLM catalog
Heat stress and its impact on the workers' cortisol concentration: A case study in a metal melding industry	Journal of Health and Safety at Work	2014	Persian	-	ISC
Fatigue and Insomnia Severity in Fixed-Day and Rotating Shift	International Journal of Psychiatry	2014	English	-	Scientific journal
Effects of the Quality of Working Life on Job Satisfaction in an Auto Parts Manufacturing Factory	International Journal of Emergency Mental Health and Human Resilience	2014	English	-	Scopus
Motivation and job satisfaction: A case study of an automobile parts manufacturing plant	Open Journal of Industrial and Business Management	2014	English	-	Scientific journal
Evaluating effects of heat stress on cognitive function among workers in a hot industry	Health promotion perspectives	2014	English	-	PubMed
Evaluation of DI, WBGT, and SWreq/PHS Heat Stress Indices for Estimating the Heat Load on the Employees of a Petrochemical Industry	International Journal of Occupational Hygiene	2014	English	-	ISC/ NLM catalog
A Survey of the relation between workload and quality of life among hospital staff	Pakistan Journal of Public Health	2014	English	-	Scopus
Epidemiology of mental health problems in female students: A questionnaire survey	Journal of epidemiology and global health	2013	English	-	PubMed/ Scopus
The Assessment of Heat Stress and Heat Strain in Pardis Petrochemical Complex, Tehran, Iran	International Journal of Occupational Hygiene	2013	English	-	ISC/ NLM catalog
Relationship Between Knowledge of Ergonomics and Workplace Conditions with Musculoskeletal Disorders among Nurses: A Questionnaire Survey	World Applied Sciences Journal	2013	English	-	Scopus
Safety Meter: Positive Occupational Health and Safety Measurement Tool	Journal of HSE	2013	Persian	✓	Scientific journal
The assessment of fatigue and its relationship with Insomnia Severity among workers of rolling mills	Iran Occupational Health	2012	Persian	-	Scopus

	Title	Journal	Year	Language	First or Corresponding Author	Indexing
	Effect of extremely low frequency electromagnetic field exposure on sleep quality in high voltage substations	Iranian journal of environmental health science & engineering	2012	English	-	ISI/PubMed/Scopus
	Presentation of a model to identify dominant noise source in agricultural sector of sugarcane industry	Advances in Environmental Biology	2012	English	-	Scopus
	Introducing the Standard and Chart to Measure and Control the Motorcycle Noise Level	Iranian Journal of Health and Environment	2012	Persian	-	ISC

Patent			
Title	Patent number	Year	Country
Nanofiber filter based on carbon nanotubes to control airborne nanoparticles	93624	2017	Iran
Filters for air sampling of crystalline silica	103376	2021	Iran
Adsorbent of activated carbon/zeolite metal imidazolate framework composite for toluene removal from air stream	109804	2023	Iran

List of Books & Standards

Title	Publication	Year (code)	Language
Handbook of Human Factors and Ergonomics Procedures	Book/Fan Avaran	2013	Persian
Nanotechnologies -Occupational risk management applied to engineered nanomaterials	Institute of Standards and Industrial Research of Iran	2015 (INSO19816-1)	Persian
Nanotechnologies -- Nano-enhanced air filter media using nanofibres -- Characteristics, performance and measurement methods	International Organization for Standardization (ISO)	2019 (ISO/DTS 21237)	English
Nanotechnologies- Standard Guide for Workforce Education in Nanotechnology Health and Safety	Institute of Standards and Industrial Research of Iran	2016 (INSO21198)	Persian
Guide for sampling and measurement of nanoparticles	Iran nanotechnology initiative council	2017	Persian
Nanotechnologies- Overview of available frameworks for the development of occupational exposure limits and bands for nano- objects and their aggregates and agglomerates(NOAS)	Institute of Standards and Industrial Research of Iran	2018 (INSO15523)	Persian
Workplace exposure-Assessment of dermal exposure to nano-objects and their aggregates and agglomerates (NOAS)	Institute of Standards and Industrial Research of Iran	2018 (INSO15627)	Persian
Nanotechnologies-Guidelines for the management and disposal of waste from the manufacturing and processing of manufactured nano-objects	Institute of Standards and Industrial Research of Iran	2021 (INSO 6340)	Persian
Nanotechnologies — Aerosol generation for air exposure studies of nano-objects and their aggregates and agglomerates (NOAA)	Institute of Standards and Industrial Research of Iran	2020 (INSO20960)	Persian
Nanotechnology – Air Filter media containing nanofibres for removing particles - Characterization, performance and test methods	Institute of Standards and Industrial Research of Iran	2020 (INSO21008)	Persian
The Guide to Cycling Ergonomics	Book/ Shahid Beheshti University of Medical Sciences	2019	Persian
Nanofibers and its application in Occupational Health, from Persian Textbook of Introduction to Occupational Safety and Health in nano-technology	Book Chapter/ Shiraz University of Medical Sciences	2019	Persian
Chapter: Fundamental principles of occupational health, from Persian Textbook of Public Health	Book Chapter/ Arjmand	2019	Persian

Title	Publication	Year (code)	Language
Nanotechnologies — Collection of non-fibrous nanoparticles using a Nanoparticle Respiratory Deposition (NRD) sampler- Code of practice	Institute of Standards and Industrial Research of Iran	2021 (INSO 5909)	Persian
Health risks from the use of disinfectants (especially Covid-19)	Guideline	2021	Persian
Hospital ventilation requirements (Emphasis on emission control of Covid-19)	Guideline	2021	Persian
Nanotechnologies — Method to quantify air concentrations of carbon black and amorphous silica in the nanoparticle size range in a mixed dust manufacturing environment	Institute of Standards and Industrial Research of Iran	2021 (INSO 22999)	Persian
Covid-19 and HVAC systems in buildings	Guideline	2021	Persian
An Overview of the operational tips of Baghouses	Guideline	2021	Persian
Nanotechnologies — Considerations for in vitro studies of airborne nano-objects and their aggregates and agglomerates (NOAA)	Institute of Standards and Industrial Research of Iran	2022 (INSO 23112)	Persian
Industrial Ventilation	Book/ Ministry of Cooperatives Labour and Social Welfare	2023	Persian
Nanotechnologies – Health and safety practices in occupational settings	Institute of Standards and Industrial Research of Iran	2023	Persian

Scientific and executive activities

Position	Place	Year
Director of Education Development	School of Public Health and Safety/Shahid Beheshti University of Medical Sciences/Tehran/Iran	2019-2022
Member of the Research Council of Environmental and Occupational Hazards Control Research Center	Shahid Beheshti University of Medical Sciences/Tehran/Iran	2019 to present
Member of the Research Council of Workplace Health Promotion Research Center	Shahid Beheshti University of Medical Sciences/Tehran/Iran	2019 to present
Member of the Education Council of School of Public Health and Safety	Shahid Beheshti University of Medical Sciences/Tehran/Iran	2019 to present
Member of the strategic planning team of scientific authority in School of Public Health and Safety	Shahid Beheshti University of Medical Sciences/Tehran/Iran	2020-2021
Responsible for updating the contents of the Faculty website	School of Public Health and Safety/Shahid Beheshti University of Medical Sciences/Tehran/Iran	2017-2021
Member of the revision committee of the PHD educational program	Ministry of Health/Tehran/Iran	2020 to present
The organizer of the technological event: Idea Bazaar in the 2th international and the 15th national student conference on innovation in health sciences	School of Public Health and Safety/Shahid Beheshti University of Medical Sciences/Tehran/Iran	2023
Executive Secretary in Webinar on safety promotion, occupational health and environmental health in hospitals and health centers with Covid 19 approach	School of Public Health and Safety/Shahid Beheshti University of Medical Sciences/Tehran/Iran	2021
Executive Secretary in Webinar on health promotion in hospitals and health centers with Covid 19 approach	School of Public Health and Safety/Shahid Beheshti University of Medical Sciences/Tehran/Iran	2021
Scientific committee in 11th national conference on health and safety at work	Tehran University of Medical Sciences/Tehran/Iran	2020
Scientific committee in 10th national conference on health and safety at work	Gilan University of Medical Sciences/Rasht/Iran	2017
Scientific committee in the 2nd International Conference on Nanofibers	Tehran University of Medical Sciences /Tehran/Iran	2019

Position	Place	Year
Scientific & executive committee in the 1st International Conference on Nanofibers	Tehran University of Medical Sciences /Tehran/Iran	2017
Executive committee in 9th national conference on health and safety at work	Yazd University of Medical Sciences / Yazd /Iran	2015
Executive committee in 8th national conference on health and safety at work	Mazandaran University of Medical Sciences / Sari /Iran	2013
Executive committee in 7th national conference on health and safety at work	Qazvin University of Medical Sciences / Qazvin /Iran	2011
Executive committee in 6th national conference on health and safety at work	Tehran University of Medical Sciences /Tehran/Iran	2009

List of research projects

Title of project	University which is approved	No.	Position	Year	Status
Determination of Tehran's taxi drivers exposure to volatile organic compounds (BTX)	Tehran University of Medical Sciences	-	Co-I	2010	Completed
An evaluation of effect of multiple acoustical breaks on acoustic optimization of the semi-anechoic chamber in the physical agents' laboratory	Tehran University of Medical Sciences	16279	Co-I	2012	Completed
The assessment of job burnout, stress and satisfaction among special education teachers in Qazvin province	Tehran University of Medical Sciences	20404	Co-I	2013	Completed
Evaluating the influence of Heat Stress on Cognitive Performance and Biomarkers Changes among Workers in a Hot-Processing Industry	Tehran University of Medical Sciences	90-04-27-16275	Co-I	2011	Completed
The Experimental Development of Nonwoven Nanofibrous Filter Media for Air Filtration of Nano-sized particles	Tehran University of Medical Sciences	92-01-27-21809	Co-I	2013	Completed
Feasibility of replacement of Activated Carbon with Nano Graphene and Graphene Oxide to remove xylene vapors from the air	Tehran University of Medical Sciences	93-01-27-2476	Co-I	2013	Completed
Feasibility of replacement of Activated Carbon adsorbent with Nano Activated Carbon adsorbent for the removal of xylene vapors from the air	Tehran University of Medical Sciences	93-01-27-24765	Co-I	2013	Completed

Title of project	University which is approved	No.	Position	Year	Status
Assesment of exposure to various range of particle size in the different welding prosses	Tehran University of Medical Sciences	94-04-27-29751	Co-I	2015	Completed
Frequency of work-related risk factor associated with heat in the working population of Islamic Republic of Iran between 2000 and 2014	Tehran University of Medical Sciences	95-01-109-31861	Co-I	2016	Completed
Assessment of respiratory exposure to crystalline silica and its metabolite in workers of Iran Insulator Company	Tehran University of Medical Sciences	94-04-27-29488	Co-I	2016	Completed
Frequency of work-related risk factor associated with total dust in the working population of Islamic Republic of Iran between 2000 and 2014	Tehran University of Medical Sciences	95-01-109-31847	Co-I	2016	Completed
Feasibility study on the application of Nano fibrous filter media for metal fumes sampling	Tehran University of Medical Sciences	96-01-27-34411	Co-I	2017	Completed
Performance comparison of neat and photocatalytic HEPA filters and Nanofiber filter media for reducing airborne Microorganisms	Tehran University of Medical Sciences	96-02-27-35221	Co-I	2017	Completed
Feasibility to Preventing Skin Damage in Workers Exposed to Free Radicals Due to Polycyclic Aromatic Hydrocarbon, Using Antioxidant Electrospun Nanofiber Layer	Tehran University of Medical Sciences	96-02-27-35607	Co-I	2017	Completed
The development of a solid phase extraction method for the determination of the normal hexazene in air using electrostatic techniques	Shahid Beheshti University of Medical Sciences	96-12552	Co-I	2018	Completed
Noise control in the middle and low frequency acoustic barrier with high sound absorption properties of polymer nanocomposites using nanofibers and nanoparticles	Tarbiat Modares University	-	Co-I	2017	Completed
Assessment of the effects of educational intervention on the level of some oxidative stress parameters in Oncology staff of selected hospitals	Shahid Beheshti University of Medical Sciences	17997	Co-I	2019	Completed
Feasibility study on the application of electrospun nanofiber membrane for removing crystalline silica	Shahid Beheshti University of Medical Sciences	17911	PI	2019	Completed
Fabrication study of electrospun polyvinyl chloride nanofiberous filter media for crystalline silica sampling in air	Shahid Beheshti University of Medical Sciences	19854	PI	2019	Completed
Effect of combined exposure to traffic noise and whole body vibration on cognitive performance of students	Shahid Beheshti University of Medical Sciences	17276	PI	2018	Completed

Title of project	University which is approved	No.	Position	Year	Status
Investigating the relationship between exposure to extremely low frequency magnetic field and the level of some reproductive hormones among men employees of a selected power plants	Shahid Beheshti University of Medical Sciences	18320	Co-I	2019	Completed
Assessing the effects of exposure to physical agents and taking supplementation of vitamin E on reproductive parameters of workers: A case study in an Auto Parts Manufacturing Industry	Tehran University of Medical Sciences	98-3-99-45128	PI	2019	Completed
Design and Validation of the HSE-MS Health Care Management System Safety and Health Questionnaire	Shahid Beheshti University of Medical Sciences	16109	Co-I	2018	Completed
Investigating the effect of ergonomic intervention on job posture of health care workers and determine the risk level by QEC Software	Shahid Beheshti University of Medical Sciences	13456	Co-I	2018	Completed
Investigating the relationship between musculoskeletal disorders and anthropometric indices in health care workers	Shahid Beheshti University of Medical Sciences	13580	Co-I	2018	Completed
Effect of health education based on BASNEF pattern on use of personal protective hearing equipment in a printing factory workers	Shahid Beheshti University of Medical Sciences	16003	Co-I	2018	Completed
Investigation to distribute brightness intensity using GIS method according to IESNA standard in Persepolis tile company Yazd	Shahid Beheshti University of Medical Sciences	15982	Co-I	2018	Completed
Investigation of Workers' Sound Exposure Using GIS at Persepolis Tile Company in Yazd	Shahid Beheshti University of Medical Sciences	15987	Co-I	2018	Completed
Determining the Relation and Comparison of annoyance, Mood State and cognitive failure with sound in ceramic industry workers	Shahid Beheshti University of Medical Sciences	15918	Co-I	2018	Completed
Evaluation of noise pollution in student dormitories of Southwest University of Medical Sciences	Shahid Beheshti University of Medical Sciences	15918	Co-I	2019	Completed
Assessment of noise exposure relation with cognitive failure and annoyance of workers in one of Yazd tile industry.	Shahid Beheshti University of Medical Sciences	13166	Co-I	2019	Completed
Assessment of noise exposure relation with Mood State of workers in one of Yazd tile industry	Shahid Beheshti University of Medical Sciences	13438	Co-I	2019	Completed

Title of project	University which is approved	No.	Position	Year	Status
Evaluation of noise pollution in student dormitories of Southwest University of Medical Sciences	Shahid Beheshti University of Medical Sciences	13572	Co-I	2019	Completed
The effect of simultaneous exposure to heat and psychological stresses on oxidative stress parameters in adult male rats	Shahid Beheshti University of Medical Sciences	21025	PI	2020	Completed
Relationship between Exposure to Whole Body Vibration and Semen Quality of Taxi Drivers in Tehran Province	Shahid Beheshti University of Medical Sciences	20899	PI	2020	Completed
Assessing the performance of hospital ventilation system in eliminating Covid-19 virus: A case study in one of the hospitals affiliated to Shahid Beheshti University of Medical Sciences	Shahid Beheshti University of Medical Sciences	23698	PI	2020	Completed
The effect of combined exposure to Heat and Psychological Stresses on the Serum Levels of Testosterone and Corticosterone Hormones in Male Rats	Shahid Beheshti University of Medical Sciences	23951	PI	2020	Completed
Investigating and analysis of the root causes and responsibility of accidents caused by carbon monoxide poisoning in Tehran province	Shahid Beheshti University of Medical Sciences	23323	Co-I	2020	Completed
Effects of simultaneous supplementation of vitamin E and omega-3 fatty acids on semen parameters of workers exposed to physical stressor	Shahid Beheshti University of Medical Sciences	25821	PI	2020	Completed
Study of the Combined Effects of Heat and Psychological Stress on some reproductive characteristics of rats	Shahid Beheshti University of Medical Sciences	25669	PI	2020	Completed
Optimization of Tulouen removal from air in a photocatalytic spouted bed reactor using flow pattern simulation with CFD and Central Composite Design (CCD) Mode	Shahid Beheshti University of Medical Sciences	27016	Co-I	2021	Completed
Investigation of the Effect of some Operational Parameters on SO ₂ Removal in the Spray Tower using Response Surface Methodology	Shahid Beheshti University of Medical Sciences	30005	Co-I	2021	Completed

Title of project	University which is approved	No.	Position	Year	Status
Evaluation of the performance efficiency of available anti-vapor cartridge masks using biological monitoring of oil depot loading operations personnel exposed to benzene	Shahid Beheshti University of Medical Sciences	29184	Co-I	2021	Completed
Design and validation of tools for measuring knowledge, attitude and performance of outdoor workers in the field of heat stress using the PRECEDE model	Arak University of Medical Sciences	IR.ARA KMU.RE C.1398.0 11	Co-I	2020	Completed
Investigation of noise pollution in Shahid Beheshti Hospital in Qorveh and providing control solutions	Kurdistan University of Medical Sciences	IR.MUK. REC.139 8.067	Co-I	2020	Completed
Determining the trend of thermal comfort changes over a 35-year period using the summer heat index (SSI) in different climatic regions of the country	Golestan University of Medical Sciences	IR.GOU MS.REC .1400.13 2	Co-I	2020	Completed
Assessment of UV protection factor of textile coated with metal-organic framework (MOF)	Shahid Beheshti University of Medical Sciences	28590	PI	2021	Completed
Assessment of UV protection factor of textile coated with metal oxide nanoparticles	Shahid Beheshti University of Medical Sciences	28591	PI	2021	Completed
Assessment and comparison of antibacterial and cellular toxicity properties of textiles coated with metallic-organic framework (MOF) and metal oxide nanoparticles	Shahid Beheshti University of Medical Sciences	31201	PI	2022	Completed
Feasibility Study of Removal of Oil Mists Using Metal-Organic Framework-Based Fibrous Filters	Shahid Beheshti University of Medical Sciences	31862	PI	2022	in Progress
Study of oxidative stress parameters and histopathological changes caused by concomitant exposure to toluene and high noise level in the lung tissues of adult male rats	Shahid Beheshti University of Medical Sciences	29292	Co-I	2022	Completed
Comparison of the effectiveness of nanoparticle coated fabrics and metal-organic framework for protection against ultraviolet radiation: A Systematic Review and Meta-Analysis	Shahid Beheshti University of Medical Sciences	27866	PI	2021	Completed
Evaluation of knowledge, attitude, practice and safety behavior in oncology staff of selected hospitals in connection with working with anti-neoplastic drugs	Shahid Beheshti University of Medical Sciences	31295	Co-I	2022	in Progress
The role of oxidative stress in hearing loss caused by concomitant exposure to toluene and high noise level	Shahid Beheshti University of Medical Sciences	30868	Co-I	2022	Completed

Title of project	University which is approved	No.	Position	Year	Status
Comparison of the efficiency of metal-organic framework in removing VOCs from airflow: a systematic review and meta-analysis	Shahid Beheshti University of Medical Sciences	30475	Co-I	2022	in Progress
Assessment and comparison of antibacterial and cellular toxicity properties of textiles coated with metallic-organic framework (MOF) and metal oxide nanoparticles	Shahid Beheshti University of Medical Sciences	31201	PI	2022	Completed
Optimization of operational conditions of toluene removal from airstream by synthesized activated carbon /zeolite imidazolate framework	Shahid Beheshti University of Medical Sciences	33192	PI	2022	Completed
Introducing an analytical method of hydrogen peroxide of air samples based on the Nano metal-zeolite Y	Shahid Beheshti University of Medical Sciences	4300235 8	Co-I	2022	Completed
Ontology design of vocabulary of occupational medicine examinations for occupational health experts	Shahid Beheshti University of Medical Sciences	4300662 6	PI	2023	in Progress
Experimental development of multilayer media containing Graphene compounds nanoparticles and zeolite imidazolate organometallic framework (ZIF-8) for the filtration of viral aerosols	Shahid Beheshti University of Medical Sciences	4300663 3	Co-PI	2023	in Progress
Feasibility of preparing laminated textile with simultaneous protection against mechanical and chemical factors with potential application in safety gloves	Shahid Beheshti University of Medical Sciences	4300632 9	Co-I	2023	in Progress
Development of colorimetric sensor based on bio-synthesis of natural zeolite zinc oxide silver nanocomposite for ammonia gas detection in air sample	Shahid Beheshti University of Medical Sciences	4300574 5	Co-I	2023	in Progress
Performance evaluation of laboratory hoods based on Recommended standards: a case study in Tehran hospitals.	Shahid Beheshti University of Medical Sciences	4300400 7	Co- PI	2023	in Progress

Title of project	University which is approved	No.	Position	Year	Status
Hazard Analysis of occupational exposure to anesthetic gases among hospital operating room staff	Shahid Beheshti University of Medical Sciences	43003897	Co- PI	2023	in Progress
An overview on antiviral face masks	Shahid Beheshti University of Medical Sciences	43003297	Co- PI	2023	in Progress
Development of a health risk management framework in workplaces handling nanomaterials using multi criteria decision making methods	Shahid Beheshti University of Medical Sciences	43007350	PI	2023	in Progress
Relationship between menstrual distress and occupational exposures among nurses	Shahid Beheshti University of Medical Sciences	43005569	PI	2023	in Progress
Feasibility of developing workwear fabric coating with the ability to protect against infrared radiation	Shahid Beheshti University of Medical Sciences	43007098	PI	2023	in Progress
Comparison of fibrous media filter in removing gases and vapors of VOCs from air flow: a systematic review and meta-analysis	Shahid Beheshti University of Medical Sciences	43006044	PI	2023	in Progress
Trend Analysis and Temporal and Spatial Distribution of Thermal Comfort Indices in Warm Seasons of Iran	Shahid Beheshti University of Medical Sciences		PI	2024	in Progress
Investigation of the Trend of Occupational Heat Stress-Related Disorders in Employees of a Chemical Company in Southern Iran: A Retrospective study Over a Six-Year Period	Shahid Beheshti University of Medical Sciences		PI	2024	in Progress

Reviewer and Editorial Board for:

Journal	Publisher	Language
Frontiers in Public Health /Occupational Health and Safety /Emerging Technology in Occupational Health and Safety (Editor)	Frontiers / Swiss	English
Sustainable Cities and Society (Editorial Board)	Elsevier	English
Safety Promotion and Injury Prevention (Co-Editor)	Shahid Beheshti University of Medical Sciences	Persian
Materials Chemistry and Physics (Reviewer)	Elsevier	English
Journal	Publisher	Language
Sustainability (Reviewer)	MDPI	English
Materials Chemistry and Physics (Reviewer)	Elsevier	English
Frontiers in Medicine (Reviewer)	Frontiers	English
Current Medical Science (Reviewer)	Springer	English
Sustainable Cities and Society (Reviewer)	Elsevier	English
Pollution (Reviewer)	Tehran University	English
Human and Ecological Risk Assessment An International Journal (Reviewer)	Taylor & Francis	English
Indoor Air (Reviewer)	Wiley Online Library	English
Journal of Environmental Health Science and Engineering (Reviewer)	Springer	English

Urban Climate (Reviewer)	Elsevier	English
Journal	Publisher	Language
Journal of Health and Safety at Work (Reviewer)	Iranian Occupational Health Association	Persian
International Journal of Occupational Hygiene (IJOH) (Reviewer)	Iranian Occupational Health Association	English
Occupational Medicine Quarterly Journal (Reviewer)	Shahid Sadoughi University of Medical Sciences	Persian
Iran Occupational Health (Reviewer)	Iran University of Medical Sciences	Persian
Health System Research (Reviewer)	Isfahan University of Medical Sciences	Persian
Health Scope (Reviewer)	Zahedan University of Medical Sciences	English
Journal of Occupational Hygiene Engineering (Reviewer)	Hamedan University of Medical Sciences	Persian
Journal of Hygiene in Field (Reviewer)	Shahid Beheshti University of Medical Sciences	Persian
Buildings (Reviewer)	MDPI	English
Chemical Engineering Communications (Reviewer)	Taylor & Francis	English
Environmental Science and Pollution Research (Reviewer)	Springer	English

Papers presented in congress

Title	Congress	Language	Year	Place
The Effects of Workplace Hazards on Reproductive Health	3th International West Asia and North Africa (WANA) Congress	English	2024	Urmia-Iran
AI-powered Ergonomics Assessment and Intervention	The 5th Biennial Iranian Congress on Ergonomics	Persian	2024	Tehran-Iran
Preparation and Properties Electrospun Polyacrylonitrile Fibers with Permanent Magnetic Nanoparticles: A New Study in the Application of Nanoparticles”	2nd International Conference on Advanced Nanomaterials and Nanotechnology	English	2023	Atlanta -USA
Study on removal of toluene vapors using activated carbon adsorbent/organic metal framework	15th national student conference on Innovation in Health Sciences	Persian	2023	Tehran-Iran
Performance comparison of ZIF-8 and activated carbon adsorbents in removing toluene from the air stream	12 th national congress on health and safety at work	Persian	2023	Hamedan-Iran
Investigating the protective factor of the textile coated with TiO ₂ nanoparticles against ultraviolet radiation	12 th national congress on health and safety at work	Persian	2023	Hamedan-Iran
The effect of vitamin E and omega-3 fatty acids supplementation on oxidative stress parameters in workers exposed to high noise levels	12 th national congress on health and safety at work	Persian	2023	Hamedan-Iran
The Preventive Role of Vitamin E and Omega-3 Fatty Acids on Reproductive Health Indices among Male Workers Exposed to Electromagnetic Fields	6th International Conference on Physical Health	English	September, 2022	England
Feasibility Study on the Application of Electrospun Nanofiber Webs for the Air Sampling of Crystalline Silica	5th International Nanotechnology Conference & Expo	English	April 2021	Nanotech-USA
Consistency assessment between Summer Simmer Index and other Heat Stress indices (WBGT and Humidex) in Iran’s climates	The 7th International Conference on Water Resource and Environment (WRE 2021)	English	November ,2021	Xian-China
Hospital Ventilation Requirements (with Emphasis on Covid-19 Emission Control)	Webinar on safety promotion, occupational health and environmental health in hospitals and health centers with Covid 19 approach	Persian	2021	Tehran-Iran
Fabrication of multi-functional nano composite media for use in the filtration of air pollutants	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Evaluating the dust holding capacity of electrospun nanofiber media and its ability to capture artificial dust	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Investigation of acoustic properties of polymer nanocomposite with both absorbent and sound insulation properties	11th national conference on health and safety at work	Persian	2020	Tehran-Iran

Title	Congress	Language	Year	Place
Investigating the relationship between heat stress and hematological and immunological changes in workers	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Investigating the relationship between noise exposure and burnout in employees of the ceramic industry	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Investigating the Relationship between noise annoyance and noise exposure level in Ceramic Industry	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Comparison of some measures of cognitive function between men and women exposed to traffic noise	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Evaluation of the filtration performance of polyacrylonitrile nanofibers containing single-walled carbon nanotubes in three tests: The initial efficiency, discharge and leakage	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Investigating the relationship between cognitive impairment and noise exposure level in ceramic industry	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Determining the relationship between mood and noise exposure level in ceramic industry	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Investigating the relationship between exposure to light in the occurrence of burnout in employees of the automotive industry	11th national conference on health and safety at work	Persian	2020	Tehran-Iran
Trend of changes in heat stresses in outdoor environments based on the WBGT index with respect to the global warming	Climate change, Health and Resilience	Persian	2019	Tehran-Iran
Production of nanofibers containing magnesium oxide nanoparticles for removing bioaerosol	7th conference on air and noise pollution management	Persian	2019	Tehran-Iran
Possibility of using plasma-processed hybrid nanofibers to remove toluene in air stream	6 th National Conference on Air and Noise Pollution Management	Persian	2018	Tehran-Iran
The Comparison of Nanoparticle Filtration Performance of Electrospun PAN nanofibers and PAN nanofibers containing MgO nanoparticle	International Conference on Nanofibers	English	2017	Tehran-Iran
Assessment of the potential nanomaterials release from electrospun nanofiber filter media	International Conference on Nanofibers	English	2017	Tehran-Iran
Possibility of using plasma-processed hybrid nanofibers to remove toluene in air stream	International Second Nanomedicine and Nanosafety Conference (NMNS 2017)	English	2017	Tehran-Iran
Evaluation of urine and blood Neopterin as a biomarker of exposure to silica in workers Insulator	10th national conference on health and safety at work	Persian	2017	Rasht-Iran
Performance comparison of PAN nanofibers and PAN nanofiber MgO nanoparticles in nanoparticle filtration	10th national conference on health and safety at work	Persian	2017	Rasht-Iran

Title	Congress	Language	Year	Place
Assessing the potential release of nanomaterial from nanofiber filters	10th national conference on health and safety at work	Persian	2017	Rasht-Iran
The Effect of heat stress on the loss productivity of outdoor workers	10th national conference on health and safety at work	Persian	2017	Rasht-Iran
The effect of extremely low frequency magnetic field on thyroid hormones	10th national conference on health and safety at work	Persian	2017	Rasht-Iran
Study of annoying glare of several car manufacturing in Iran	10th national conference on health and safety at work	Persian	2017	Rasht-Iran
A comparative assessment of exposure to welding fumes based on mass and number concentration	10th national conference on health and safety at work	Persian	2017	Rasht-Iran
The Effect of Occupational Noise Exposure on Blood and Biochemical Parameters	7th National Congress of Occupational medicine and Occupational diseases	Persian	2016	Tehran-Iran
Effect of single-walled carbon nanotubes on the porosity of nonwoven nanofiber filter media	9th national conference on health and safety at work	Persian	2015	Yazd-Iran
Optimization of Electrospinning Parameters for PAN and PAN-MgO Nanofibers in Air Filtration Applications	Asian Nano forum congress	English	2015	Kish-Iran
Production and assessment of absorption efficiency of PAN nanofiber infiltration of pesticide-contaminated water	15th Nanotechnology Iranian Student Conference	Persian	2014	Tehran-Iran
Effect of physical disability on Life expectancy: A case study in Firooz Hygiene Group	First Biennial Iranian Conference on Ergonomics	Persian	2014	Hamedan-Iran
Fabrication and Optimization of Electrospun Polyacrylonitrile (PAN) Nanofiber for Application in Air Filtration	Iran Nanosafety Congress	English	2014	Tehran-Iran
Acoustic Analysis of Semi-anechoic Chamber with Intersection Layout of Rectangular Fibrous Absorbers	3rd International conference on acoustic and vibration	Persian	2013	Tehran-Iran
The Assessment of Noise Exposure and Noise Annoyance at a Petrochemical Company	8th national conference on health and safety at work	Persian	2013	Sari-Iran
Enclosing the dominant noise source in in an Air production plant of a petrochemical industry	The first conference on air and noise pollution management	Persian	2012	Tehran-Iran
Safety in demolition of buildings	The first conference on occupational health and safety on construction sites	Persian	2012	Tehran-Iran

Presentation of a Model to Identify Dominant Noise Source in Agricultural Sector of Sugarcane Industry	9th IOHA international scientific conference	English	2012	Kuala Lumpur-Malaysia
The assessment of the environmental and personal noise in a petrochemical plant	7th national conference on health and safety at work	English	2011	Ghazvin-Iran

Teaching

Course	Degree	University
Design of Control Systems of Heat, Cold and Humidity	MS	Shahid Beheshti University of Medical Sciences
Heat and cold stresses in the work environment	BS	Shahid Beheshti University of Medical Sciences
Nanotechnology in Occupational Health	PhD	Shahid Beheshti University of Medical Sciences
Modeling in Occupational Health	MS	Shahid Beheshti University of Medical Sciences
Heating, cooling and humidification	PhD	Shahid Beheshti University of Medical Sciences
Emerging technologies of air pollution control	PhD	Shahid Beheshti University of Medical Sciences
Industrial Ventilation	BS	Tehran University of Medical Sciences & Shahid Beheshti University of Medical Sciences
Principle of Air Pollution Control	BS	Tehran University of Medical Sciences & Shahid Beheshti University of Medical Sciences
Gases and Aerosols Dynamics	BS	Tehran University of Medical Sciences & Shahid Beheshti University of Medical Sciences
Fluid Mechanics	BS	Shahid Beheshti University of Medical Sciences
Analysis and evaluation of air samples	BS	Shahid Beheshti University of Medical Sciences
Technical Language	BS	Shahid Beheshti University of Medical Sciences
Risk Assessment and Management	BS	Shahid Beheshti University of Medical Sciences
Introduction to Industries	BS	Shahid Beheshti University of Medical Sciences
Safety in the use of chemicals	BS	Shahid Beheshti University of Medical Sciences
Introduction of Occupational Health	BS	Shahid Beheshti University of Medical Sciences
Design of Air Pollution Control Systems in The Workplaces	MS	Shahid Beheshti University of Medical Sciences
Medical information systems	MS	Shahid Beheshti University of Medical Sciences
Internships in Field	BS	Shahid Beheshti University of Medical Sciences

Thesis & Dissertation

Title	Degree	Role	University	Year
Development of AI-Powered Educational Software for Metal Aerosol Sampling and Analysis	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2024-...
Development of educational chatbot for sampling and analysis of selected volatile organic compounds (VOCS) in occupational exposure assessment	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2024-...
Investigating the efficiency of SO ₂ gas absorption by packed bed scrubber with TiO ₂ coated rushing rings	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2024-...
Assessment of Thiodiglycolic acid urinary biomarker of exposure to vinyl chloride monomer by a colorimetric method developed on a Metal-Organic Framework	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2024-...
Feasibility of Design Promotion of Portable Fume Extraction systems at Shielded Metal Arc Welding based on Computational Fluid Dynamics: A Theoretical and Experimental Study of Filtration Performance	PhD	Supervisor	Shahid Beheshti University of Medical Sciences	2023-...
A study of blood lead level and related outcomes among workers of an Iraqi Petroleum Company and its area residents: A Case Study in Kirkuk City, 2023	PhD	Advisor	Shahid Beheshti University of Medical Sciences	2023-...
Optimization of work clothes textile coating by using Metal-Organic Framework and selected nanomaterial in order to improve heat transfer properties	PhD	Advisor	Tarbiat Modaress	2023-...
Investigation of respiratory exposure to volatile organic compounds in a shoe polish production industry and providing an industrial ventilation system plan	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2023-...
Feasibility of preparing laminated textile with simultaneous protection against mechanical and chemical factors with potential application in safety gloves	PhD	Advisor	Shahid Beheshti University of Medical Sciences	2023-...
Development of a health risk management framework in workplaces handling nanomaterials using multi criteria decision making methods	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2023-2024
Development of colorimetric sensor based on bio-synthesis of natural zeolite zinc oxide silver nanocomposite for ammonia gasdetection in air sample	PhD	Advisor	Shahid Beheshti University of Medical Sciences	2023-...

Design and Manufacture of Air Coalescing Filtration System using Metal-Organic Framework- Based Fiborous Filter for the Removal Of Metalworking Fluids Aerosols	PhD	Supervisor	Shahid Beheshti University of Medical Sciences	2022-.....
Experimental development of multilayer media containing Graphene compounds nanoparticles and zeolite imidazolate organometallic framework (ZIF-8) for the filtration of viral aerosols	PhD	Supervisor	Shahid Beheshti University of Medical Sciences	2022-.....
Optimization of operational conditions of toluene removal from airstream by synthesized activated carbon /zeolite imidazolate framework	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2022-2023
Analytical method development of hydrogen peroxide of air samples based on the Nano metal-zeolite Y	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2022-2023
Title	Degree	Role	University	Year
Efficiency Evaluation of selected cartridge masks using biological monitoring of oil depot loading operations	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2022-2023
Investigation of the Effect of some Operational Parameters on SO ₂ Removal in the Spray Tower using Response Surface Methodology	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2021-2022
Study of oxidative stress parameters and histopathological changes caused by concomitant exposure to toluene and severe noise in the lung tissues of adult male rats	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2021-2022
The Relationship Between Working At Textile co. and Occupational Hearing Loss In Motahari Textile co. 1395-1397	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2021-2022
Optimizing of toluene removal from air in a nano photocatalytic spouted bed reactor using central composite design (CCD) model	PhD	Advisor	Shahid Beheshti University of Medical Sciences	2020-2022
Feasibility study on the production and substitution of electrosun nanofiber filter media for metal aerosols sampling	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2021-2022
Feasibility study on the application of electrospun nanofiber membrane for crystalline silica air sampling	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2018-2020
Effects of environmental stressors exposure and simultaneous supplementation of vitamin E and omega-3 fatty acids on reproductive parameters of workers: A case study in an Auto Parts Manufacturing Industry	PhD	Supervisor	Tehran University of Medical Sciences	2019-2021
The effect of combined exposure to Heat and Psychological Stresses on the Serum Levels of Testosterone and Corticosterone Hormones in Male RatS	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2020-2021
Study of the Combined Effects of Heat and Psychological Stress on some reproductive characteristics of male rats (Semen quality, sperm DNA damage and testicular tissue)	MSc	Supervisor	Shahid Beheshti University of Medical Sciences	2020-2021
Relationship between Exposure to Whole Body Vibration and Semen Quality of Taxi Drivers in Tehran Province	MSc	Supervisor	Islamic Azad University	2020-2021

Development of solid phase micro-extraction for n-hexane determination in air by electrospinning method	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2017-2018
Feasibility of using nanofibrous filter in sampling welding fumes from air stream	MSc	Advisor	Tehran University of Medical Sciences	2016-2017
Effect of traffic noise on growth and some physiological indices of Cineraria maritime and Brassica oleraceae	PhD	Advisor	Islamic Azad University	2018-2019
Noise control in the middle and low frequency acoustic barrier with high sound absorption properties of polymer nanocomposites using nanofibers and nanoparticles	PhD	Advisor	Tarbiat Modares University	2018-2019
Title	Degree	Role	University	Year
Feasibility of fabrication of nanofibrous texture integrated with MOF using electrospinning technique and assessment of its antibacterial properties	MSc	Advisor	Tehran University of Medical Sciences	2017-2019
Educational needs assessment of -occupational health inspectors of health deputy of Iran University of Medical Sciences	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2015-2017
Feasibility study on the application of Nano fibrous filter media for metal fumes sampling	MSc	Advisor	Tehran University of Medical Sciences	2017-2018
Performance comparison of neat and photocatalytic HEPA filters and Nanofiber filter media for reducing airborne Microorganisms	MSc	Advisor	Tehran University of Medical Sciences	2017-2018
Studying the correlation of various industrial noise level on cognitive performance of Bahman Motor Companys' workers	MSc	Advisor	Tehran University of Medical Sciences	2017-2019
Fabrication study of electrospun polyvinyl chloride nanofiberous filter media for crystalline silica sampling in air	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2018-2019
Effect of combined exposure to traffic noise and whole body vibration on cognitive performance of students	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2017-2019
Assessment of the effects of educational intervention on the level of some oxidative stress parameters in staff Oncology in selected hospitals of Shahid Beheshti University of Medical Sciences	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2018-2019
Investigating the relationship between exposure to extremely low frequency magnetic field and the level of some reproductive hormones among men employees of a selected power plants	MSc	Advisor	Shahid Beheshti University of Medical Sciences	2018-2019