

## *Curriculum Vitae*



<b>Surname:</b>	<b>Azari</b>
<b>Middle:</b>	<b>Rezazadeh</b>
<b>Forename:</b>	<b>Mansour</b>
<b>Title:</b>	<b>Dr.</b>
<b>Date of Birth:</b>	<b>18th January 1951</b>
<b>Nationality:</b>	<b>Iranian</b>
<b>Marital Status:</b>	<b>Married</b>
<b>No. of Children:</b>	<b>Two daughters</b>

### **Current Academic position:**

*Emeritus Professor of Occupational Hygiene and Toxicology*

### **Home Address:**

Tehran /Iran

### **Work Address:** College of Public Health

Shahid Beheshti University of Medical Sciences

Tehran / Iran

**E-Mail Address:** *mrazari@sbmu.ac.ir*

### **Brief history of the academic history:**

I started my teaching career in 1979 and served as deputy research chancellor of the school of public health for ten years and was the chairman of the Occupational Health Engineering Department at the School of Public Health, Shahid Beheshti University of Medical Sciences (SBMU) for nine years. During my teaching career, I have taught courses in the undergraduate, graduate (M.S. And Ph.D.) levels and initiated a problem-based education in my university. I have authored and co-authored a few books and published 120 scientific articles in Iranian and indexed international journals. From 1997 to 2016, I have received 36 research grants from SBMU.

Since 2016, I have continued my services as an emeritus professor at SBMU. At present, according to my recent Google scholar profiles my H-Index and citations are as follows:

	All	Since ۲۰۱۷
<u>Citations</u>	۷۶۰	۵۹۵
<u>h-index</u>	۱۷	۱۴
<u>i۱۰-index</u>	۲۵	۲۳

### ***Qualifications:***

۱۹۶۹ High School Diploma

Kharazmi ,Tehran/Iran

۱۹۷۰-۱۹۷۴ B.S. University of Oregon

Oregon, USA

۱۹۷۸-۱۹۷۹ M.S. Environmental Health Sciences, East Tennessee State University

Tennessee, USA

۱۹۹۱-۱۹۹۵ Ph.D. Occupational Hygiene and Toxicology

Department of Environmental & Occupational Medicine

University of Newcastle upon Tyne

Newcastle UK NE۲ ۴HH

۲۰۰۱-۲۰۰۲ Sabbatical Studies at the School of Public Health, the University of California at Los Angeles, USA.

Short-term course on chemical exposure risk assessment at the University of Utrecht, Netherlands (۲۰۰۳).

Health, Safety, and Environment Management System. TUV Academy Iran-Germany, August ۲۰۰۶.

### ***Employment History:***

۱۹۷۸-۹ *University of Ahvaz, Lecturer in the department of biological sciences.*

*Ahvaz, Iran.*

۱۹۷۹-۸۳ *Ministry of Health and Medical Education, serving as a health expert*

*۱۹۸۳-۱۹۹۵ Faculty member of the Dept. of Occupational Health Engineering, School of Public Health, Shahid Beheshti University of Medical Sciences, Tehran, Iran.*

*۱۹۹۵-۲۰۰۶ Faculty member of the Dept. of Occupational Health Engineering and deputy of research studies, School of Public Health, Shahid Beheshti University of Medical Sciences, Tehran, Iran.*

*۲۰۰۶-۲۰۱۶ Professor and Chairman of the Dept. of Occupational Health Engineering, School of Public Health, Shahid Beheshti University of Medical Sciences, Tehran, Iran.*

*۲۰۱۶-present time, Emeritus Professor at the School of Public Health, Shahid Beheshti University of Medical Sciences, Tehran, Iran.*

### **AWARDS**

**One Year Assistantship Award:** M.S. Degree in the field of Environmental Health, East Tennessee State University, Department of Environmental Health Tennessee State University, Johnson City, Tennessee (۱۹۷۸-۹).

**A four -year scholarship award:** Ph.D. in field of Occupational Hygiene and Toxicology. Iranian Ministry of Health and Medical Education

Tehran, Iran (۱۹۹۱-۵).

**Awarded for the distinguished researcher of the School of Public Health, Shahid Beheshti University of Medical Sciences** (Feb. ۲۰۰۱).

**Eight Months Fellowship from the Iranian Ministry of Health and Medical Education:** Conducting a project for developing a sampler for studying biomarker of oxidative stress at the University of California Los Angeles (Sept. ۲۰۰۱-April. ۲۰۰۲).

**Short term fellowship from the WHO (EMRO):** Visiting WHO's collaboration center in Singapore (March, ۱۹۹۹).

**Short term fellowship from the WHO (EMRO):** Visiting Institute of Risk Assessment at the University of Utrecht, Netherlands (۲۰۰۳).

**Awarded for the distinguished professor of the School of Public Health, Shahid Beheshti University of Medical Sciences** (April ۲۰۰۴).

**Awarded for the distinguished professor of the School of Public Health, Shahid Beheshti University of Medical Sciences** (April ۲۰۰۵).

**Awarded for the distinguished professor of the School of Public Health, Shahid Beheshti University of Medical Sciences** (April ۲۰۰۶).

**Awarded for the distinguished professor of School of Public Health, Ministry of Health and Medical Education** (May ۲۰۱۱).

**Awarded as a distinguished Emeritus Professor at the Shahid Beheshti University of Medical Sciences** (May ۲۰۱۶).

### **Research grants received from national and international research organizations:**

۱. **Research grant from Shahid Beheshti University of Medical Sciences:** surveying the environmental exposure to benzene and its effects on blood parameters of school children aging ۱۰-۱۲ years in four locations of the city of Tehran (۱۹۹۷).
۲. **Research grant from Shahid Beheshti University of Medical Sciences:** Feasibility of study applying an extract of acorn in treating heavy metals of electroplating wastewater (۱۹۹۸).
۳. **Research grant from Shahid Beheshti University of Medical Sciences and Iranian organization for sea ports and shipping:** Surveying heat stress of sea port employees with two methods of environmental monitoring and biological monitoring (۱۹۹۸).
۴. **Research grant from Shahid Beheshti University of Medical Sciences:** Developing a new method for monitoring environmental exposure to BTEX (۲۰۰۲-۲۰۰۴).
۵. **Research Grant from WHO (EMRO):** Surveying Dioxin-like compounds in Iranian provinces ( ۲۰۰۳).
۶. **Research Grant from Ministry of Industry and Shahid Beheshti University of Medical Sciences: Three phase studies:** a-Risk assessment of Hexavalent Chromium for cement plants and construction workers, b-feasibility study regarding eliminating Hexavalent chromium from finished product and c-biological monitoring of workers to hexavalent chromium ( ۲۰۰۳-۹).

۷. **Research grant from Shahid Beheshti University of Medical Sciences:** Evaluation of personal exposure of workers in east region of Tehran to crystalline silica aerosols (۲۰۰۶).
۸. **Research grant from the Iranian Petrochemical Chemical Company:** Risk assessment of workers to hazardous chemicals by using Optical Risk Analysis (۲۰۰۸).
۹. **Research grant from Shahid Beheshti University of Medical Sciences:** Surveying occupational exposure of computer operators working at the Iranian welfare system to radiation and magnetic field (۲۰۰۸).
۱۰. **Research grant from Iranian Distributing Petroleum Products Company:** Surveying occupational exposure of Tehran's gas station employees to BTEX (۲۰۰۸).
۱۱. **Research grant from Iranian Distributing Petroleum Products Company:** Surveying occupational exposure of workers at the Tehran's petroleum depot to BTEX (۲۰۱۰).
۱۲. **Research grant from Shahid Beheshti University of Medical Sciences:** Biological Monitoring of glass workers to crystalline silica (۲۰۰۹)
۱۳. **Research grant from Shahid Beheshti University of Medical Sciences:** Surveying occupational exposure of Tehran's shoe-makers to Benzene and Toluene (۲۰۱۱).
۱۴. **Research grant from Shahid Beheshti University of Medical Sciences:** Personal and Biological Monitoring of Anatomy Department University Staffs to formaldehyde (۲۰۱۱).
۱۵. **Research grant from Shahid Beheshti University of Medical Sciences:** Personal and Biological Monitoring of Aluminum foundry workers to Aluminum fumes (۲۰۱۲).
۱۶. **Research grant from Shahid Beheshti University of Medical Sciences:** Personal and Biological Monitoring of plastic manufacturing workers to vinyl chloride (۲۰۱۲).
۱۷. **Research grant from Shahid Beheshti University of Medical Sciences:** Personal and Biological Monitoring of two tyre manufacturing workers to benzene and toluene (۲۰۱۲).
۱۸. **Research grant from Shahid Beheshti University of Medical Sciences:** Comparing OSHA's Method of Counting asbestos fiber Method with a new method of counting using ۱۲ mega-Pical Nikon Phase contrast microscope (۲۰۱۳).
۱۹. **Research grant from Shahid Beheshti University of Medical Sciences:** Developing a new method for crystalline silica analysis using FT-IR Spectroscopy (۲۰۱۴).
۲۰. **Research grant from Shahid Beheshti University of Medical Sciences:** Developing a new method for mineral oil mist used in CNC lathe machine using FT-IR Spectroscopy (۲۰۱۴).
۲۱. **Research grant from Shahid Beheshti University of Medical Sciences:** Design and validate of MPI methods to assess of occupational exposure to Cyclophosphamide drug and determine the effectiveness of educational intervention in reducing the risk of exposure to Cyclophosphamide in the oncology staff at the two hospitals of Shahid Beheshti University of Medical Sciences (۲۰۱۴).

۲۲. **Research grant from Shahid Beheshti University of Medical Sciences:**  
Evaluation of construction worker's exposure to crystalline silica (۲۰۱۵).
۲۳. **Research grant from Shahid Beheshti University of Medical Sciences:**  
Evaluation of plywood workers to wood aerosols (۲۰۱۵).
۲۴. **Research grant from Shahid Beheshti University of Medical Sciences.** Personal and biological monitoring of sand miners to crystalline silica in province of Lorestan and city of Dorood (۲۰۱۵).
۲۵. **Research grant from Shahid Beheshti University of Medical Sciences.** Evaluation of foundry workers crystalline silica aerosols triethanolamine and formaldehyde (۲۰۱۶).
۲۶. **Research grant from Shahid Beheshti University of Medical Sciences.** The study of determination of benzene concentration in office building environment at a refinery using field measurements and numerical simulation (۲۰۱۵).
۲۷. **Research grant from the International Branch of Shahid Beheshti University of Medical Sciences.** Validating of computational fluid dynamic simulation for determination of occupational exposure of the workers to benzene in a refinery (۲۰۱۵).
۲۸. **Research grant from Shahid Beheshti University of Medical Sciences:**  
Development of needle trap device based on silica aerogel adsorbent for sampling of formaldehyde and acrolein compounds in the air samples (۲۰۱۵).
۲۹. **Research grant from Shahid Beheshti University of Medical Sciences**  
Biological monitoring of formaldehyde and acrolein compounds in the urine samples with needle trap device containing silica aerogel and carboxen adsorbent (۲۰۱۵).
۳۰. **Research grant from Shahid Beheshti University of Medical Sciences.**  
Development and validation of a sampling and analysis of oil and water-based metalworking fluids by using FT-IR spectroscopy (۲۰۱۶).
۳۱. **Research grant from Shahid Beheshti University of Medical Sciences.**  
Investigation of in-vitro toxicity of multi-walled carbon nanotubes in human lung cell lines (A۵۴۹) and its effect on the toxicity of benzo (α) pyrene (۲۰۱۶).
۳۲. **Research grant from Shahid Beheshti University of Medical Sciences.**  
Investigation of combined toxicity of multi-walled carbon nanotubes and benzo (α) pyrene in human lung cell lines (A۵۴۹): effects of length and functionalization (۲۰۱۶).
۳۳. **Research grant from Shahid Beheshti University of Medical Sciences.**  
Occupational and biological monitoring of workers exposed to iron oxides at the concentrating plant of the Golgohar iron mine (۲۰۱۶).
۳۴. **Research grant from Shahid Beheshti University of Medical Sciences.**  
**Investigation of the Effect of Magnetite Iron Oxide Particles Size on cytotoxicity in A۵۴۹ Cell Line (۲۰۱۷).** **Research grant from Shahid Beheshti University of Medical Sciences.** Investigation of the Effect of Magnetite Iron Oxide Particles Size on cytotoxicity in A۵۴۹ Cell Line (۲۰۱۷).
۳۵. **Research grant from Shahid Beheshti University of Medical Sciences.**  
**Investigation of the interactive toxicity effect of combined exposure of hematite and amorphous silicon dioxide nanoparticles using the human A۵۴۹ cell line.**

**۳۶. Research grant from Shahid Beheshti University of Medical Sciences.  
Development of a new numerical simulation in a complex geometry at a  
reforming unit of petroleum refinery.**

**Patented inventions by the Iranian Registrar office at the Ministry of Justice:**

- ۱- A new method for the sampling and analysis of oil mists (Registration No. ۴۹۹۱۵, ۱۳۸۷/۰۴/۱۱)
- ۲- designing and production of Micro-Packed Injector for sampling and analysis of BTEX compounds (Registration No. ۴۲۱۵۶, ۱۳۸۶/۰۵/۳۱).
- ۳- Detoxification of hexavalent chromium in solid wastes of cement refractory kiln linings. (Registration No. ۴۱۰۴۰, ۱۳۸۶/۰۳/۳۰).
- ۴- Detoxification of hexavalent chromium in cement production. (Registration No. ۴۷۰۸۲, ۱۳۸۶/۱۲/۲۷).

***International Conferences:***

- ۱- Azari M. Biological and biological effect monitoring of workers exposed to nitrogen dioxide. BTS/SETAC MEETING “Biological biomarkers in environmental toxicology”. Churchill College University of Cambridge ۲۸-۳۰ March ۱۹۹۴.
- ۲- Azari M. Immunotoxicity of nitrogen oxides in glass craftsmen. European ISSX Workshop Schluchsee, Germany June ۱۲-۱۵, ۱۹۹۴.
- ۳- Azari M. Breath Pentane in workers exposed to nitrogen oxides. British Association for Lung Research. Governor’s Hall, St Thomas Hospital, London, ۱۹-۲۰ September ۱۹۹۴.
- ۴- Azari M. Analyzing markers of oxidative stress in exhaled breath using newly developed in-tube solid-phase microextraction. Special seminar at Department of EHS at the University of California Los Angeles, (۲۰۰۲).
- ۵- Azari M, Que Hee S. Application of a micro-packed injector for analysis of condensable markers of lipid peroxidation in exhaled breath. Institute of Risk Assessment Gebouw Nieuw Gildestein Yalelaan ۲, Utrecht-De Uithof, Netherlands (۲۰۰۲).
- ۶- Azari M. and Falaki F. Assessment of dioxins and furans produced by Iranian industrial and municipal sectors. ۷<sup>th</sup> International Congress of Endocrine Disorders, Zakaria Razi Conference Hall, Tehran, Iran (۲۰۰۴).
- ۷- Mahnaz Sarami, Jafari Javad, Azari Mansour, Nikazema Saeedeh. Assessment of musculoskeletal disorders of Iranian dentists. The ۵<sup>th</sup> Annual International Congress of Iranian Dental Association (۲۰۰۵).
- ۸- Azari M. Environmental and Occupational Carcinogenic agents and need for better risk management. The ۸<sup>th</sup> APOCP Regional Conference, Cancer Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (۲۰۱۵).
- ۹- Yousef Mohammadian and Mansour R. Azari. Toxixicity interaction between nano particles and air contaminants in mixture exposure. The second international nanomedicine and nanosafety conference. Tehran, Iran ۲۰۱۷.
- ۱۰- Yousef Mohammadian and Mansour R. Azari. Co-exposure toxicity of multi walled carbonnanotubes and benzo(a)pyrene in human epithelial lung cells. The second international nanomedicine and nanosafety conference. Tehran, Iran ۲۰۱۷.

۱۱- Yousef Mohammadian and Mansour R. Azari. Toxicity assessment of multi walled carbon nano tubes in human A<sub>549</sub> lung cells: The role of physicochemical properties. The second international nanomedicine and nanosafety conference. Tehran, Iran ۲۰۱۷.

### **National Conferences:**

۱-Biological and biological effect monitoring of workers exposed to nitrogen dioxide. BTS/SETAC MEETING “Biological biomarkers in environmental toxicology”. Churchill College University of Cambridge ۲۸-۳۰ March ۱۹۹۴.

۲-Immunotoxicity of nitrogen oxides in glass craftsmen. European ISSX Workshop Schluchsee, Germany June ۱۲-۱۵, ۱۹۹۴.

۳-Breath Pentane in workers exposed to nitrogen oxides. British Association for Lung Research. Governor’s Hall, St Thomas Hospital, London. ۱۹-۲۰ September ۱۹۹۴.

۴-Biomarkers of Lipid Peroxidation. First International Congress of Medical Toxicology of the Asian and Oceanic Countries. Medical University of Tehran, Ave Sina’s Conference Hall, ۱۵-۱۸ October ۱۹۹۶.

۵-Biomarkers of Immunotoxicity. Health of manpower and Sustained Environment Seminar. Mohammed Ibn Zakaria Razi’s Conference Hall, ۱۸-۲۱ November ۱۹۹۸.

۶-The Future of Occupational Hygiene in Iran and other countries. Monthly Seminars of the School of Public Health, Shahid Beheshti Medical University, Shahid Aghasi’s Conference Hall, ۱۰th of February, ۱۹۹۹.

۷-Biological monitoring of exposed workers (insulators) to asbestos. Monthly Seminars of the School of Public Health, Shahid Beheshti Medical University, Shahid Aghasi’s Conference Hall, ۱۸th of December, ۱۹۹۹.

۸-Biological monitoring of farmers exposed to organophosphates. Yearly Seminars of Ministry of Health for health experts, Golestan Medical University, University Conference Hall, ۱۰th of January ۲۰۰۰.

۹-Biological monitoring of Paint Sprayers exposed to benzene. Monthly Seminars of the School of Public Health, Shahid Beheshti Medical University, Shahid Aghasi’s Conference Hall, ۹th of March ۲۰۰۰.

۱۰-The Health impact of paint sprayer’s exposure to benzene in the Iranian automobile manufacturing industries. Proceedings of National Congress on Skills, Health and its rule on industrial development, ۲۶th of February ۲۰۰۱.

۱۱-Azari M. (۲۰۰۲). Analyzing markers of oxidative stress in exhaled breath using newly developed in-tube solid phase microextraction. Special seminar at Department of EHS (University Of California Los Angeles).

۱۲-Azari M. Moatamedzadeh M.( ۲۰۰۲). Evaluating heat stress using environmental and biological markers. Proceeding of First National Conference of Ergonomics in Iranian Industry and Manufacturing Sectors; ۳۱۹- ۳۲۵.

۱۳-Khoramzadeh MR, Gholamnia R and Azari M(۲۰۰۲). Evaluating the effects of cement dust exposure in a cement plant. Proceeding of First National Conference of Ergonomics in Iranian Industry and Manufacturing Sectors; ۴۴۵- ۴۴۷.

۱۴-Azari M, Que Hee S( ۲۰۰۲). Application of a micro-packed injector for analysis of condensable markers of lipid peroxidation in exhaled breath. Institute of Risk Assessment Gebouw Nieuw Gildestein Yalelaan ۲, Utrecht-De Uithof, Netherlands.

۱۵- Azari M (۲۰۰۳). Chemical risk assessment of UCF operation. Iranian Atomic Energy Organization. Dr. Hasabee Lecture Hall.

- ۱۷-Azari M ( ۲۰۰۳). Evaluation of the effect of the environmental exposure to benzene as an air pollutant in the blood parameters the children ( ۱۰- ۱۲ years old) in ۴ selected areas of Tehran. Proceeding of First National Congress of Air Pollution; ۳۴- ۵.
- ۱۸-Azari M. ( ۲۰۰۴). Toxicology of Dioxin-like compounds. First national workshop for Dioxin-like compounds. Ministry of health and medical education.
- ۱۹-Azari M. ( ۲۰۰۴). Sampling and analysis of Dioxin-like compounds. First national workshop for Dioxin-like compounds. Ministry of health and medical education.
- ۲۰-Azari M. ( ۲۰۰۴). Introducing standardized toolkit for identification of Dioxin-like compounds. First national workshop for Dioxin-like compounds. Ministry of health and medical education.
- ۲۱-Azari M. ( ۲۰۰۴). Introducing latest technology (immunoassay method) for analysis of Dioxin-like compounds. First national workshop for Dioxin-like compounds. Ministry of health and medical education.
- ۲۲-Azari M. ( ۲۰۰۴). Chemical safety of oil refineries. Environmental, Health and Safety Seminar. Ministry of petroleum.
- ۲۳-Azari M. ( ۲۰۰۴). Chemical safety. Environmental, Health and Safety Seminar. Ministry of Health and Medical Education.
- ۲۴-Azari M. ( ۲۰۰۴). Unintentional persistent organic pollutants. First national seminar for persistent organic pollutants. Department of environmental protection.
- ۲۵-Azari M. (۲۰۰۴). Risk assessment of occupational exposure to oil mists in leading Iranian Engine Manufacturing. Fourth national conference of occupational hygiene, Medical University of Hamadan.
- ۲۶-Azari M. (۲۰۰۵). Rule of risk assessment in rationalizing risk management. Fifth national conference of occupational hygiene, Medical University of Isfahan.
- ۲۷-Azari M. (۲۰۰۶). Risk assessment of environmental exposure to BTEX in city of Tehran. First National Conference on air pollution. Shaheed Beheshti University of Medical sciences.
- ۲۸-Azari M.(۲۰۰۶). Determination and tracing the source of hexavalent chromium in Iranian cement production. HSE seminar at the University of Sharif.
- ۲۹-Azari M.(۲۰۰۷). Risk assessment of occupational exposure to carcinogenic compounds (Hexavalent Chromium, Benzene, Asbestos and Arsenic). The first national congress of environment, occupation and cancer at the Tehran Medical University.
- ۳۰-Azari M.(۲۰۰۷). Surveying Iranian sources of dioxin-like compounds. The first national congress of environment, occupation and cancer at the Tehran Medical University.
- ۳۱-Azari M.(۲۰۰۷). Inventing a new method for reduction of hexavalent chromium content of spent chromite bricks. The first national congress of environment, occupation and cancer at the Tehran Medical University.
- ۳۲-Azari M. (۲۰۰۷). Determination of the national priority of actions for Dioxin-like compounds. Department of environmental protection.
- ۳۳-Azari M. ( ۲۰۰۷). Risk assessment of occupational exposure of hospital employees to hazardous chemicals. Shahid Beheshti University of Medical Sciences.
- ۳۴-Azari M. ( ۲۰۰۷). The crisis of workers exposed to crystalline silica aerosols. Shahid Beheshti University of Medical Sciences.
- ۳۵-Azari M. ( ۲۰۰۷). Health effects of Tehran's ambient air pollution. Tehran University, dept. of geophysics.



- ۲۰-Azari M. ( ۲۰۰۸). Development of a new sampler and method of analysis for BTEX. Third national conference of HSE seminar at the University of Sharif.
- ۲۱-Azari M. ( ۲۰۰۸). Inventing an additive for neutralizing hexavalent chromium in cement product. Fourth national conference of HSE seminar at the University of Sharif.
- ۲۲-Azari M. ( ۲۰۰۸). National Implemental Plan for the management of unintentional persistent pollutants. Department of environmental protection.
- ۲۳-Azari M. ۲۰۱۰. Potentially hazardous chemical exposure of Iranian citizens. Second National Conference of Iranian Public Health. University of Iran (Medical Campus), Razi Conference Hall.
- ۲۴-Azari MR. ( ۲۰۱۴) Role of risk assessment for justification risk management international examples. Fifth national conference of HSE seminar at the University of Sharif.
- ۴۰- Azari MR. ( ۲۰۱۵). Role of risk assessment in public health promotion. First conference of Health Promotion at the School of Public Health, Shahid Behasti University of Medical Sciences.
- ۴۱- Azari MR. ( ۲۰۱۶) Synergistic effects of smoking and occupational and environmental chemical exposure. Sixth national conference of HSE seminar at the University of Sharif.
- ۴۲- Bayatian M, Azari M, Ashrafi KH , Jafari MJ, Mahrabi Y. Simulation of benzene dispersion in a petrochemical site using CFD. ۱۰th Congress of Occupational Health and Safety (۲۰۱۷).
- ۴۳-Gharai N, Jafari MJ, Azari M, Ashrafi KH. Effect temperature in dispersion of chemicals in the vicinity of body using CFD. ۱۰th Congress of Occupational Health and Safety (۲۰۱۷).
- ۴۴-Panahi Davoud, Azari Mansour, Biological monitoring of occupational exposure to Cyclophosphamide at the oncology wards of two hospitals in the Tehran. ۱۰th Congress of Occupational Health and Safety (۲۰۱۷).
- ۴۵- Barkhordari A, Azari Mansour. Biological monitoring of formaldehyde and acrolein using a novel needle trap device containing nanoporous silica aerogel sorbent. ۱۰th Congress of Occupational Health and Safety (۲۰۱۷).
- ۴۶-Nasirzadeh Nafiseh, Rasoulzadeh Yahya, Azari M. The cytotoxicity assessment of graphite nanoparticles on epithelial cells of human lung. The First National Conference of Nanotechnology in Health Sciences (۲۰۱۸).
- ۴۷- Athena Rafieepour, Mansour R. Azari, Jalal Pourahmad Jaktaji, Fariba Khodaghali, Habibollah Peirovi, Yadollah Mehrabi. Special effects of iron oxide nanoparticles on the incidence of toxicity in A ۵۴۹ cell line. Eleventh National Conference on Occupational Health and Safety ( ۲۰۲۰).

## **PUBLICATIONS**

۱-Azari M. (۱۹۸۹). Translation of WHO publication “assessment of occupational exposure to particulate matters” No.۸۸ (۱۹۸۴) from English to Farsi language. Shahid Beheshti Medical University Publication Center.

۲-Azari M. (۱۹۹۱). Study of occupational exposure to fumes of iron oxide in mild steel welders. Scientific Proceedings of the Shaheed Beheshti Medical University

۳-**Azari M, Williams F, Blain PG and Edwards J** (۱۹۹۴). Biological and biological effect monitoring of workers exposed to nitrogen dioxide. Human Exp. Toxicol; ۱۳(۹):۶۴۷.

۴-**Azari M, Williams F, Kirby J, Edwards J and Blain PG** (۱۹۹۴). Immunotoxicity of nitrogen oxides in glass craftsmen. Proceedings of European ISSX Workshop; ۵:۴۶. Schulchsee, Germany.

۵-**Azari M, Williams F, Blain PG and Henderson DB** (۱۹۹۴). High breath pentane in workers exposed to nitrogen oxides. Journal of Respir Med; ۸۸:۸۱۶.

۶-**Azari M.** (۱۹۹۶) Review article on toxicity of organophosphates. Journal of Public (Health Shaheed Beheshti University of Medical Sciences); ۹:۲۴-۳۲.

۷-**Azari M, Williams F, Kirby J, Edwards J and Blain PG** (۱۹۹۶). Immunotoxicity of nitrogen oxides in glass craftsmen. Journal of occupational and Environmental Medicine; ۵۳:۲۴۸-۲۵۱.

۸-**Azari M, Williams F, Blain PG and Edwards J** (۱۹۹۷). Potential biomarkers of exposure and effect among glass craftsmen and braziers exposed to nitrogen oxides. Biomarkers; ۲:۲۴۹-۳۵۴.

۹-**Maherpoyan P., ladni H, Azari M** (۱۹۹۹). Potency of sleeping net impregnated with pyrethriod for Malaria Mesquites. Pajohandeh (Iranian Journal of Medical Sciences); ۱۴:۱۹۳-۱۹۷.

۱۰-**Azari M, et al.** (۲۰۰۱). Health impact of paint sprayer's exposure to benzene in the Iranian automobile manufacturing industries. Proceedings of National Congress on skills, health and its rule on industrial development; ۳۲-۳۴. Tehran/ Iran.

۱۱-**Azari M. et al.** (۲۰۰۲). National Occupational Exposure Limits. Center for occupational and Environmental Health, Iranian Ministry of Health. Arvif Printing Company.

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mitochondrial damage induced by multiwall carbon nanotubes in rat kidney mitochondria. J Biochem Mol Toxicol ۱۶; e۲۲۷۶۲. doi: ۱۰.۱۰۰۲/jbt.۲۲۷۶۲.

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### **ASSOCIATION**

**Member of the Iranian Occupational Health Association, Tehran Iran.**

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**Member of editorial board of the “Safety Promotion and Prevention of Injuries Journal”.**

**Member of editorial board of the “Journal of Cancer Research Forecast journal”.**

### **TECHNICAL AND EXPERIMENTAL SKILLS**

#### ***Air Monitoring instrumentation and techniques***

- Methods of integrated sampling for gases and vapors
- Sampling and monitoring of aerosols
- Monitoring of hazardous gases and vapors by direct reading methods
- Methods of calibration of air sampling/monitoring equipment

#### ***Analytical instrumentation and techniques***

- Elemental analysis of environmental specimens by atomic absorption spectrometry
- Phase contrast microscopy for asbestos bodies and particles counting
- Preparation of Volatile Organic Compounds samples by double Stage Thermal Desorber
- Analysis of Volatile Organic Compounds by Gas Chromatography
- Measurement of Liquid Organic and Inorganic Compounds from biological specimens by High Performance Liquid Chromatography
- Measurements of Organic and Inorganic Compounds by Visible and UV Spectroscopy

-Analysis of volatile organic compounds by an invented procedure Micro-Packed Injector

***Miscellaneous theoretical knowledge***

- Environmental and Occupational Toxicology
- Fundamental of mineralogy and minerals identification in Air Samples
- Recognition, evaluation and control of chemical agents at workplace
- Principles of Chemical safety
- Industrial Ventilation
- Air sampling analysis
- Air pollution control
- Occupational Epidemiology
- Risk assessment of environmental and occupational exposures to chemical contaminants
- Statistics: Descriptive statistics, non-parametric statistics, ANOVA, ANCOVA, single and multiple regression analysis, principle component analysis, discriminate analysis

***Computer ability***

- Windows XP ۲۰۰۳
- Microsoft Office XP
- Statistics: SPSS

***Language***

English (fluent)

**Research Interests:**

I am interested in pulmonary toxicology, especially regarding the volatile organic compounds and aerosols such as silica, asbestos, and nano-particle exposure. I am also interested in advanced biological monitoring and risk assessment of hazardous chemical compounds.

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