

Curriculum Vitae

Mohammad Javad Zare Sakhvidi, Ph.D.

Associate Professor

Personal and Contact Information

Name:	Mohammad Javad Zare Sakhvidi, Ph.D.
Data of birth:	16, September, 1981
Place of birth:	Iran
Work address:	Department of Occupational Health; School of Public Health (Room No# 302); Shahid Sadoughi University of Medical Sciences; Yazd; Iran; Tel: +9831492197
Email:	mjzare@ssu.ac.ir mjzs63@gmail.com (preferred)

Education

Short-term visiting scholar:	Breath research institute, Austrian Academy of Sciences (early detection of lung cancer by exhaled breath gases)	Jan. 2011- April 2011
Ph.D.:	Occupational Health, Hamadan University of Medical Sciences (received scholarship from Ministry of Health)	Feb. 2006- June. 2011
Master:	Occupational Health, Tehran University of Medical Sciences	Sep. 2003- Aug. 2005
Undergraduate:	Occupational Health, Tehran and Yazd University of Medical Sciences	Sep. 1999- Aug. 2003

Thesis

- Ph.D. Thesis title: “Development of an exposure assessment method for the selected halogenated hydrocarbons using Solid Phase Microextraction”;
Date of the thesis defense: July 2011
Thesis Supervisor: Professor Abdulrahman Bahrami
- M.Sc. Thesis Title: “Hexavalent Chromium emission and exposure under different exposure scenarios in welding operations”
Date of the thesis defense: August 2005
Thesis Supervisor: Professor Farideh Golbabaie

Honors and awards

- Premier research manager at deputy of research and technology, Shahid Sadoughi University of Medical Sciences
- Ranked first in M.Sc. entrance national exam at ministry of science and technology
- Ranked third in M.Sc. entrance national exam at ministry of health
- Ranked third in Ph.D. entrance national exam at ministry of health

PROFESSIONAL EXPERIENCE

Employment

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| <ul style="list-style-type: none"> ○ Associate professor,
Department of occupational health, School of public health,
Shahid Sadoughi University of medical sciences
Responsibilities: Teaching relevant courses and supervising students thesis | 2017 - now |
| <ul style="list-style-type: none"> ○ Head of occupational health department, School of public health,
Shahid Sadoughi University of medical sciences
Responsibilities: Supervising educational and research issues of student (B.Sc. and M.Sc.); planning for short term and long-term missions of the Department | 2016 - now |
| <ul style="list-style-type: none"> ○ Assistant professor,
Department of occupational health, School of public health,
Shahid Sadoughi University of medical sciences
Responsibilities: Teaching relevant courses and supervising students thesis | 2011-2017 |

Research Experience

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| <ul style="list-style-type: none"> ○ Scientific director of Yazd PERSIAN Cohort¹,
Deputy of Research and Technology,
Shahid Sadoughi University of medical sciences
Responsibilities: Data management and supervision of received proposals and publications of the enrollment phase of National PERSIAN cohort in the University | 2018 - now |
| <ul style="list-style-type: none"> ○ Member of principal investigators (PIs) and steering committee at National Birth Cohort²,
Deputy of Research and Technology, Ministry of Health
Responsibilities: Proposal development, design and implementation of the birth cohort at 3 different sites in Iran. | 2015 - now |
| <ul style="list-style-type: none"> ○ Member of principal investigators (PIs) at Yazd PERSIAN Cohort,
Deputy of Research and Technology,
Shahid Sadoughi University of medical sciences
Responsibilities: Proposal development, design and implementation of the cohort | 2015 - now |

1 - Details about the study are available at: <http://persiancohort.com/>

2 - Details about the project are available at: <http://persian-bc.family/>

- Director of cohort studies center, 2015 - 2018
Deputy of Research and Technology,
Shahid Sadoughi University of medical sciences
Responsibilities: Establishment and completion of enrollment phase
(10000 subjects) of National PERSIAN cohort in Yazd

Committee work

- Member of University research council 2015- now
Deputy of Research and Technology
Shahid Sadoughi university of medical sciences
Responsibilities: Policy-making regards University research issues
- Member of postgraduate research council, School of Public Health, 2015- now
Shahid Sadoughi university of medical sciences
Responsibilities: Evaluation and appraisal of Postgraduate student's thesis proposals
- Member of national committee on revision of occupational exposure 2016-2017
limits
Deputy of health
Ministry of health and medical education
Responsibilities: revision of chemical exposure limits in the workplaces based on updated evidence
- Head of University Biobank committee 2015 - 2018
Deputy of Research and Technology
Shahid Sadoughi university of medical sciences
Responsibilities: Establishment and day to day management of samples biobanking in the University

Teaching Experience (Short list)

- Air sampling methods (B.Sc. of Occupational Health)
- Analysis and evaluation of air samples (B.Sc. of Occupational Health)
- Dynamics of gases and aerosols (B.Sc. of Occupational Health)
- Air pollutants exposure assessment (M.Sc. of Occupational Health)
- Principles of air pollution control (B.Sc. of Occupational Health)
- Engineering methods in air pollution control (M.Sc. of Occupational Health)
- Research methodology (M.Sc. of Occupational Health)
- Medical literatures search (M.Sc. of Occupational Health)
- Scientific writing (M.Sc. of Occupational Health)
- Exposure modeling in occupational health (M.Sc. of Occupational Health)
- Thermal environment in the workplaces and its control (M.Sc. of Occupational Health)

Consultant

Health and Safety advisor at Tehran refinery (Bam-Bastar Contractor)

August-December 2005

Research interests

- Environmental and occupational epidemiology (main focus on noise and particulate air pollution exposure; Diabetes and cardiovascular diseases)
 - Occupational exposure assessment (method development for gases and vapors and exposure modeling; using novel exposure markers and exposure assessment methods)
 - Preventive behaviors in occupational environments (mainly on type 2 diabetes, cardiovascular diseases and carcinogens)
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Technical Skills

- Statistical Packages: experienced user of SPSS and STATA packages (STATA is preferable); also experienced in systematic review and meta-analysis (using STATA)
 - Air pollution personal exposure assessment at outdoor environments and workplaces (sampling and analysis of particulate matters, gases and vapors)
 - Analytical instruments: working with Gas Chromatography (GC): Excellent (also relatively good knowledge of working with mass spectrometer and interpretation of chromatograms), sampling and sample preparation with solid phase microextraction (SPME); fair theoretical background and practical experience atomic absorption spectroscopy and High-Performance Liquid Chromatography (HPLC)
 - GIS and remote sensing: Environmental exposure to particulate matters, heat and green spaces using satellite remote sensing (intermediate user of Geographic Information System)
 - Other Methods: Alkaline Comet Assay; Spirometry; Audiometry, Alveolar Macrophage Carbon Loading (I am familiar with these methods because these are used in my student's thesis and research projects)
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Reviewer

- Environmental Pollution
 - BMC Public Health
 - Journal of International Medical Research
 - Occupational Medicine Quarterly (In Persian: Teb-e Kar)
 - Iran Occupational Health (In Persian: Salamat-e Kar)
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Languages

- English (Good)
 - Persian (Native)
 - German (Basic)
 - Arabic (Lower-intermediate)
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References

Dr. Payam Dadvand

ISGlobal, Instituto de Salud Global de Barcelona - Campus MAR, Parc de Recerca Biomèdica de Barcelona (PRBB), Doctor Aiguader 88, 08003 Barcelona, SPAIN

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Professor Farideh Golbabaee

Department of Occupational Health, School of Public Health, Tehran University of Medical Sciences, Poursina St, Keshavarz Blv, Tehran, Iran; postal code: 1417613151

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Professor Reza Malekzadeh

Professor of Medicine; Director Digestive Disease Research Institute, Tehran University of medical Sciences, Shariati hospital Postal Code: 14117-13135

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Professor Abdulrahman Bahrami

Department of Occupational Health, School of Public Health, Hamadan University of Medical Sciences, PO Box 65175-4171, Hamadan 6517838695, Iran

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Publications

Guidelines

- **Bioaerosols exposure assessment at workplaces**; Published by Deputy of Health (OEL-BA-9503); Ministry of Health and Medical Education; 2017; ISBN: 978-964-905-348-6; (freely available at: <http://ceoh.umsha.ac.ir/uploads/9503.pdf>)
- **Occupational health at tanneries**; Published by Deputy of Health; Ministry of Health and Medical Education; 2016; ISBN: 978-600-6937-30-4; (freely available at: http://ier.tums.ac.ir/uploads/BH-94-1_edit13.pdf)
- **Occupational health for municipal waste collectors**; Published by Deputy of Health; Ministry of Health and Medical Education; (in press)

Papers

Mohammad Javad Zare Sakhvidi, Fariba Zare Sakhvidi, Amir Houshang Mehrparvar, Maria Foraster, and Payam Dadvand. "Association between noise exposure and diabetes: A systematic review and meta-analysis." *Environmental research* 166 (2018): 647-657.

Mohammad Miri, Ahmad Alahabadi, Mohammad Hassan Ehrampush, Abolfazl Rad, Mohammad Hassan Lotfi, Mohammad Hassan Sheikhha, **Mohammad Javad Zare Sakhvidi**. "Mortality and morbidity due to exposure to ambient particulate matter" *Ecotoxicology and Environmental Safety* 165 (2018): 307-313

Miri, Mohammad, Ahmad Alahabadi, Mohammad Hassan Ehrampoush, Hamid Reza Ghaffari, **Mohammad Javad Zare Sakhvidi**, Mahboube Eskandari, Abolfazl Rad, Mohammad Hassan Lotfi, and Mohammad Hassan Sheikhha. "**Environmental determinants of polycyclic aromatic hydrocarbons exposure at home, at kindergartens and during a commute.**" *Environment international* 118 (2018): 266-273.

Sakhvidi, Fariba Zare, **Mohammad Javad Zare Sakhvidi**, Amir Houshang Mehrparvar, and Angel M. Dzhambov. "**Environmental Noise Exposure and Neurodevelopmental and Mental Health Problems in Children: a Systematic Review.**" *Current environmental health reports* (2018): 1-10.

Halvani, Abolhasan, Shahrzad Sabzevari, Mehrdad Mostaghaci, Amir Houshang Mehrparvar, **Mohammad Javad Zare Sakhvidi**, and Raziye Soltani GerdFaramarzi. "**Lung Function Capacities in Obstructive Sleep Apnea Syndrome.**" *Journal of Sleep Sciences* 2, no. 1-2 (2018): 1-6.

Feize Arefi M, **Mohammad Javad Zare Sakhvid**, Fatemeh Kargar, Mehrdad Mostaghaci, Ghasem Zare. "**Risk of dermatitis in an educational hospitals staffs in Yazd with Nordic Skin Questionnaire.**" *Iran Occupational Health*. 2018; 14 (6) :18-25[Article in Persian]

Eghtesad, Sareh, Zahra Mohammadi, Amaneh Shayanrad, Elnaz Faramarzi, Farahnaz Joukar, Behrooz Hamzeh, Mojtaba Farjam, **Mohammad Javad Zare Sakhvidi**, M Miri-Monjar, Mahmood Moosazadeh, and Hamid Hakimi, "**The PERSIAN cohort: Providing the evidence needed for healthcare reform.**" *Archives of Iranian medicine*(2017): 291-295.

Pandeh, Masoud, Saedeh Fathi, **Mohammad Javad Zare Sakhvidi**, Javad Zavar Reza, and Lyla Sedghian. "**Oxidative stress and early DNA damage in workers exposed to iron-rich metal fumes.**" *Environmental Science and Pollution Research* 24, no. 10 (2017): 9645-9650.

Norishadkam, Mahmood, Soudeh Andishmand, **Mohammad Javad Zare Sakhvidi**, and Vida Rezae Hachesoo. "**Oxidative stress and DNA damage in the cord blood of preterm infants.**" *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 824 (2017): 20-24.

Hashemzadeh, Bayram, Esmaeil Idani, Gholamreza Goudarzi, Kambiz Ahmadi Ankali, **Mohammad Javad Zare Sakhvidi**, Ali Akbar Babaei, Hassan Hashemzadeh, Mehdi Vosoughi, Mohammad Javad Mohammadi, and Abdolkazem Neisi. "**Effects of PM 2.5 and NO 2 on the 8-isoprostane and lung function indices of FVC and FEV 1 in students of Ahvaz city, Iran.**" *Saudi Journal of Biological Sciences* (2016).

Mohammad Javad Zare Sakhvidi, Abdulrahman Bahrami, and Alireza Ghasvand. "**The Effects of Environmental Parameters on Air Sampling with SPME from Halogenated Hydrocarbons.**" *Health Scope* 6, no. 2 (2017).

Ali Morowatishafabad, Mohammad, **Mohammad Javad Zare Sakhvidi**, Mahdi Gholianavval, Darioush Masoudi Boroujeni, and Mahdi Mirzaei Alavijeh. "**Predictors of hepatitis B preventive behavioral intentions in healthcare workers.**" *Safety and health at work* 6, no. 2 (2015): 139-142.

Jalali, Mahdi, **Mohammad Javad Zare Sakhvidi**, Abdulrahman Bahrami, Nima Berijani, and Hussein Mahjub. "**Oxidative stress biomarkers in exhaled breath of workers exposed to crystalline silica dust by SPME-GC-MS.**" *Journal of research in health sciences* 16, no. 3 (2016): 153-161.

Amir Houshang Mehrparvar, **Mohammad Javad Zare Sakhvidi**, Mehrdad Mostaghaci, Mohmmad Hossein Davari, Seyed Hesam Hashemi, and Zohreh Zare. "**Spirometry values for detecting a restrictive pattern in occupational health settings.**" *Tanaffos* 13, no. 2 (2014): 27.

Amir Houshang Mehrparvar, Abolfazl Mollasadeghi, Seyed Hesam Hashemi, **Mohammad Javad Zare Sakhvidi**, Mehrdad Mostaghaci, and Mohammad Hossein Davari. "**Simultaneous effects of noise exposure and smoking on OAEs.**" *Noise & health* 17, no. 77 (2015): 233.

Mohammad Javad Zare Sakhvidi, Abdul Rahman Bahrami, Alireza Ghiasvand, Hossein Mahjub, and Ludovic Tuduri. "**SPME-based air sampling method for inhalation exposure assessment studies: case study on perchlorethylene exposure in dry cleaning.**" *Environmental monitoring and assessment* 185, no. 6 (2013): 4933-4941.

Mohammad Javad Zare Sakhvidi, Mostafa Mirzaei Aliabadi, Fariba Zare Sakhvidi, Gholamhossein Halvani, Mohammad Ali Morowatisharifabad, Hamid Dehghan Tezerjani, and Ali Firoozichahak. "**Occupational cancer risk perception in Iranian workers.**" *Archives of environmental & occupational health* 69, no. 3 (2014): 167-171.

Bahrami, AbdulRahman, Farshid Ghorbani, Hadi Baiati, and **MohammadJavad Zare-Sakhvidi**. "**Application of Solid Phase Microextraction (SPME) Sampler for Determination of Carbon Disulfide in Air.**" *International Journal of Occupational Hygiene* 6, no. 3 (2015): 149-155.

Mohammad Javad Zare Sakhvidi, AbdulRahman Bahrami, Alireza Ghiasvand, Hossein Mahjub, and Ludovic Tuduri. "**Application of SPME as a passive air sampler for inhalation exposure assessment: a case study on 2-Chlorophenol.**" *Iran Occupational Health* 10, no. 2 (2013): 35-44.

Mohammad Javad Zare Sakhvidi, Mohammad Hajaghazadeh, Mehrdad Mostaghaci, Amir houshang Mehrparvar, Fariba Zare Sakhvidi, and Elham Naghshineh. "**Applicability of the comet assay in evaluation of DNA damage in healthcare providers' working with antineoplastic drugs: a systematic review and meta-analysis.**" *International journal of occupational and environmental health* 22, no. 1 (2016): 52-67.

Barkhordari, Abolfazl, **Mohammad Javad Zare Sakhvidi**, Fariba Zare Sakhvidi, Gholamhossein Halvani, Ali Firoozichahak, and GholamAbbas Shirali. "**Cancer risk assessment in welder's under different exposure scenarios.**" *Iranian journal of public health* 43, no. 5 (2014): 666.

Amir Houshang Mehrparvar, Masoud Rahimian, Mahmoud Vakili, Behrouz Moghbelohossain, **Mohammad Javad Zare Sakhvidi**, Mojahedeh Salmani Nodoushan, and Leila Jahani. "**Effect of Smoking on Parameters of Polysomnography.**" *Journal of Sleep Sciences* 1, no. 2 (2016): 51-58.

Mohammad Javad Zare Sakhvidi, Hamideh Mihanpoor, Mehrdad Mostaghaci, AmirHooshang Mehrparvar, and Abolfazl Barkhordari. "**Determinants of the accuracy of occupational hygiene expert judgment.**" *Industrial health* 53, no. 2 (2015): 184-191.

Mohammad Javad Zare Sakhvidi, H. Mihanpoor, H. Falahzadeh, M. Mostaghaci, G. H. Halvani, and F. Samouri. "**Comparison of exposure assessment models, expert judgment and Bayes analysis, in Prediction of the tile industry respiratory exposures.**" *Occupational Medicine Quarterly Journal* 5, no. 4 (2014): 52-59.

Mohammad Javad Zare Sakhvidi, Abolfazl Barkhordari, Maryam SALeHI, Shekoofeh BeHDAD, and Hossein FALLAHZADeH. "**Application of mathematical models in combination with Monte Carlo simulation for prediction of Isoflurane concentration in an operation room theater.**" *Industrial health* 51, no. 5 (2013): 545-551.

Mohammad Javad Zare Sakhvidi, J. Biabani Ardekani, Ali Firoozichahak, Javad Zavarreza, Mohammad Hajaghazade, Mehrdad Mostaghaci, Amirhooshang Mehrparvar, and Abolfazl Barkhordari. "**Exhaled breath malondialdehyde, spirometric results and dust exposure assessment in ceramics production workers.**" *Int J Occup Med Environ Health* 28, no. 1 (2015): 81-89.

Mohammad Javad Zare Sakhvidi, A. Barkhordari, M. Salehi, S. H. Behdad, and M. H. Fallahzade. "**The assessment of occupational exposure of operation room personnel to isoflurane anesthetic gas.**" *Occupational Medicine Quarterly Journal* 4, no. 3 (2013): 1-9.

Orujlu, Samira, Hossein Habibzadeh, **Mohammad Javad Zare Sakhvidi**, And Mohammad Hajaghazadeh. "**Knowledge, Attitude, and Performance of Oncology Nurses Handling Antineoplastic Drugs in Hospitals of Urmia University, Iran.**" *International Journal of Occupational Hygiene* 8, no. 1 (2016): 14-21.

Dehghan Tezerjani, H., **Mohammad Javad Zare Sakhvidi**, Z. Loukzadeh, N. Keyghobadi, and M. Zare. "**Dermal exposure in automotive repair workers; application of DREAM method.**" *Iran Occupational Health* 11, no. 6 (2014).

Halvani, Abolhasan, Shahrzad Sabzevari, Mehrdad Mostaghaci, Amir Houshang Mehrparvar, **Mohammad Javad Zare Sakhvidi**, and Raziye Soltani GerdFaramarzi. "**Lung Function Capacities in Obstructive Sleep Apnea Syndrome.**" *Journal of Sleep Sciences* (2017).
