


Akbar Barzegar, Ph.D.

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Professional Experience

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| 2020-2021 | Deputy Dean for Education of the Faculty of Health, KUMS |
| 2023-present | Deputy Dean for Education of the Faculty of Health, KUMS |
| 2000-2008 | Executive manager of Behbood Journal (KUMS Journal) |
| 1995-2008 | Managing Editor and Editorial Board Member of Scientific Journal of Kermanshah University of Medical Sciences (Behbood) Published in KUMS |
| 2012-present | Editorial Board Member of International Journal of Health and Life Sciences, published in KUMS |
| 2023-Present | Associate Professor in Occupational Health & Safety, Department of Occupational Health, School of Public Health, Kermanshah University of Medical Sciences (KUMS), Kermanshsh, Iran |
| 2014-2023 | Assistant Professor in Occupational Health & Safety, Department of Occupational Health, School of Public Health, Kermanshah University of Medical Sciences (KUMS), Kermanshsh, Iran |
| 1994-present | Faculty Member, Department of Occupational Health, School of Public Health, Kermanshah University of Medical Sciences (KUMS), Kermanshah, Iran |

Biography

Akbar Barzegar is **Associate Professor** in the department of Occupational Safety and Health Engineering at the Kermanshah University of Medical sciences (KUMS), where he focuses on Occupational Safety and Health science fields include; Hazardous Chemical Agents, Industrial Ventilation, Air Sampling and Analyzing, and Industrial toxicology, etc. At present he conducts several MS students on the field of Evaluation of chemical agents and risk assessment. At present he is a member of editorial, reviewer and associate editor of Journal of Health reports and technology.


Education


Ph.D. in Occupational Safety and Health Engineering, 2014, Tarbiat Modares University, Tehran, Iran.


MSc in Occupational Safety and Health Engineering, 1995, Tehran University of Medical Sciences, Tehran, Iran.


BSc in Occupational Safety and Health Engineering, 1992, Shahid Beheshti University of Medical Sciences, Tehran, Iran



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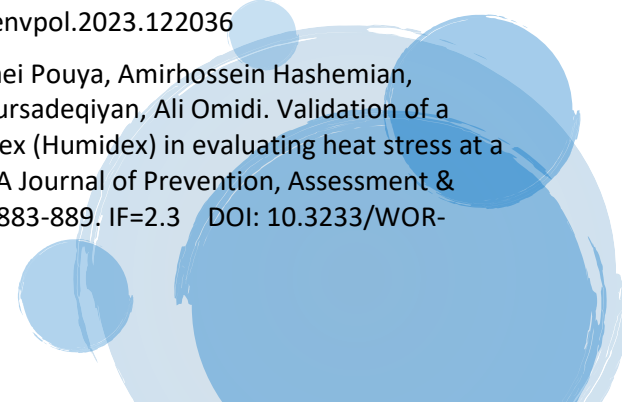
Teaching Background


1996-present	Industrial ventilation design
1995-present	Introduction to air sampling
1995-2015	Industrial toxicology
1995-Present	Industrial air pollution control
2015-Present	Air pollutant evaluation

Research Interests:

Hazardous chemical agents at workplaces
Air sampling and analytical methods
Industrial toxicology
Chemical risk assessment

Publications:

- Ali Omid, Rezvan Zendehtdel, Shokooh Sadat Khaloo & Akbar Barzegar. Zinc Oxide Nanorod- Magnetized Silica Aerogel as a New Composite in Solid Phase Extraction for Phthalate Esters Detection: Optimization by Response Surface Methodology. Iranian Journal of Science 2024, 48(3):609-623. IF=1.7
<https://doi.org/10.1007/s40995-024-01613-z>
 - Masoud Khosravipour, Faramarz Gharagozlou, Masoud Ghanbari Kakavandi, Farshad Nadri, Akbar Barzegar, Khosro Emami, Hossein Valadi Athar. Association of prolonged occupational co-exposures to electromagnetic fields, noise, and rotating shift work with thyroid hormone levels. Ecotoxicology and Environmental Safety 2024, 270:115837. IF= 6.8
<https://doi.org/10.1016/j.ecoenv.2023.115837>
 - Masoud Khosravipour, Masoud Ghanbari Kakavandi, Faramarz Gharagozlou, Farshad Nadri, Akbar Barzegar, Khosro Emami, Hossein Valadi Athar. Independent, modified, and interacting effects of long-term noise, extremely low-frequency electromagnetic fields and shift work exposures on liver enzymes. Environmental Pollution 2023, 333:122036. IF=8.9
<https://doi.org/10.1016/j.envpol.2023.122036>
 - Akbar Barzegar, Amin Babaei Pouya, Amirhossein Hashemian, Farshad Nadir, Mohsen Poursadeqiyani, Ali Omid. Validation of a Temperature-Humidity Index (Humidex) in evaluating heat stress at a tile factory in Iran. WORK: A Journal of Prevention, Assessment & Rehabilitation 2024, 77(3):883-889. IF=2.3 DOI: 10.3233/WOR-
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- Darbandi, Mitra; Rezaeian, Shahab; Najafi, Farid; Shademani, Fatemeh Khosravi; Ghavi, Saeed; Miryan, Mahsa; Pasdar, Yahya; Barzegar, Akbar*. A comprehensive evaluation of occupational epidemiology in western Iran: A cohort study in Ravansar non-communicable diseases. *Journal of Occupational and Environmental Medicine* 2023, 65(9): e610-e618. IF=3.2
DOI:10.1097/JOM.0000000000002916
- Farid Najafi, Mitra Darbandi, Sepideh Kazemi Neya, Masoud Tokazebani Belasi, Neda Izadi, Yahya Pasdar and Akbar Barzegar*. Epidemiology of musculoskeletal disorders among Iranian adults: results from a noncommunicable disease cohort study. *BMC Musculoskeletal Disorders* (2023) 24:315. IF=2.3
<https://doi.org/10.1186/s12891-023-06435-5>
- Fatemeh Mohammadi Tavileh, Faramarz Gharagozlou1, Seyedeh Somayeh Kazemi, Akbar Barzegar. The effect of patient handling training based on PRECEDE-PROCEED Model on musculoskeletal disorders among nursing assistants. *Payesh: Journal of the Iranian Institute for Health Sciences Research* 2023, 22(3):289-300. [Persian]
DOI: 10.52547/payesh.22.3.289
- Zohreh Naderi, Hiwa Hossaini, Meghdad Pirsaeheb, Akbar Barzegar, Sara Kianpour. Gaseous toluene removal by pine-cone/compost biofilter: setup, performance, and optimization. *Iranian Journal of Health and Environment* 2022, 15(3): 493-508. [Persian]
- Hiwa Hossaini, Meghdad Pirsaeheb, Akbar Barzegar, Keivan Abdi, Ali Ashraf Derakhshan. Performance evaluation of surgical, N95 and FFP2 respiratory masks by manikin-based sampling system for assessing the protection against airborne dust. *Atmospheric Pollution Research* 2022; 13 doi: 10.1016/j.apr.2022.101619
- Barzegar A, Darbandi M, Hemati Azandariani A, Pasdar Y. Evaluation and Comparison of Sodium in High Consumption Foods with the Amount Reported on Nutritional Label in Kermanshah. *Journal of Health* 2022, 13(2)151-60. [Persian]
- Fariborz Omid, Akbar Barzegar*, Bitasoltani, Faramarz Gharagozlou, Yahya Pasdar, Mitra Darandi. Occupational Exposure to Vegetable Oil: a Risk Factor of Blood Lipid Disorder. *Journal of Environmental Health and Sustainable Development* 2021, 6(1):1178-83. Doi: 10.18502/jehsd.v6i1.5760
- Spencer L James, ... Barzegar A. Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. *Injury prevention: Journal of the International Society for Child and Adolescent Injury Prevention*, 2020; 26: i96-i114.



- Richard Charles Franklin, ... Akbar Barzegar. The burden of unintentional drowning: global, regional and national estimates of mortality from the Global Burden of Disease 2017 Study. *Inj Prev* 2020; 26: i83–i95. doi:10.1136/injuryprev-2019-043484
- Shahrezaee, M. , ... , Barzegar, A. Burden of musculoskeletal disorders in Iran during 1990–2017: estimates from the Global Burden of Disease Study 2017. *Archives of Osteoporosis* 2020, 15: 103.
- James, S.L., ... , Akbar Barzegar. Epidemiology of injuries from fire, heat and hot substances: Global, regional and national morbidity and mortality estimates from the Global Burden of Disease 2017 study. *Injury Prevention*, 2020, 26: i36-i45.
- Mahin Mohammadi, Parviz Mohammadi, Nasim Karami, Akbar Barzegar, Mohamad Suffian Mohamad Annuar. Efficient hydrogen gas production from molasses in hybrid anaerobic-activated sludge-rotating biological contactor. *International Journal of Hydrogen Energy* 2019, 44(5):2592-602. (IF=4.229)
- Yahya Pasdar, Akbar Barzegar, Hamed Soleymani, Abbas Hemati Azandaryani, Mitra Darbandi. A Comprehensive Evaluation of Fatty Acid Content of Meat Products in Kermanshah. *Int J Health Life Sci* 2018, 4(2): e8608
- Yahya Pasdar, Mitra Darbandi, Parisa Niazi, Behrooz Hamzeh, Seyed Mostafa Nachvak, Akbar Barzegar. Risk factors of metabolic syndrome among food suppliers. *Srpski Arhiv za Celokupno Lekarstvo* 2017; 145(5-6):289-291.
- Gholamabbas Dinarvand, Mansour Ziaei, Seyed Younes Hoseini, Zeinab Moosapoor, Akbar Barzegar Shangol. The Effect of Zinc Therapy on Tinnitus Symptoms Reduction. *Int J Health Life Sci* 2015; 1(1):24-28.
- Barzegar A, Mortazavi B, Asilian Mahabadib H, Kazemian H. Catalytic degradation of toluene on manganese oxide catalyst loaded on a natural zeolite support. *Scientific Journal of Review* 2014,3(5):345-352.
- Nassiri P. Golbabai F. Barzegar A. Field comparison of two kinds of charcoal tubes for sampling aromatic hydrocarbons (Toluene & Xylene) in a paint factory. *Iranian Public Health* 1996, 21(1-2):43-.05

