

FACULTY PROFILE

Mustafa Al-Zoughool, BSc, MSc, PhD



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Professional Summary

Mustafa Al-Zoughool, BSc, MSc, Ph.D., is an Associate Professor, Environmental and Occupational Health at the Faculty of Public Health, Kuwait University. His work involves teaching, research, curriculum design and development. His interdisciplinary research focuses risk assessment of population health from exposure to environmental and occupational factors. Prior to joining Kuwait University, he was an associate professor and director of the Quality Assurance & Academic Accreditation Unit, at the College of Public Health, King Saud Bin Abdulaziz University for Health Sciences in Saudi Arabia. In Canada, Dr. Al-Zoughool worked at the Institute of Population Health, University of Ottawa from 2006-2012. Before that he completed a one-year postdoctoral fellowship at the International Agency for Research on Cancer (IARC) in Lyon, France from 2005-2006. Dr. Al-Zoughool published more than 28 peer-reviewed articles on diverse areas in public health such as molecular toxicology and toxicity testing, environmental cancer, modeling of infectious diseases, occupational asthma, disease burden and occupational injuries.

Education and Training

- Ph.D. in Molecular Toxicology and Environmental Genetics-University of Cincinnati
College of Medicine, USA.
- M.Sc. in Analytical Toxicology-University of Jordan/ Faculty of Medicine.
- B.Sc. in Biological Analysis-University of Jordan/Faculty of Science.

Research Interests and Projects

Dr Al-Zoughool's interdisciplinary research focuses on assessing public health risks from chemical, biological, physical and lifestyle factors. Specific ongoing projects include investigating the link between outdoor and indoor air pollution and the risk of cardiovascular disease and asthma, and assessment of health risks associated with exposures at the workplace such as needle stick injuries and exposure to asthmagens. Other research interests include the effect of lifestyle factors (e.g. physical activity) on the risk of cardiovascular disease, risk modeling of infectious diseases and assessment of environmental carcinogenesis.

Selected Publications

1. AlDakhil L, Yenugadhathi N, Al-Seraihi O, and **Al-Zoughool M**. 2019. Prevalence and associated factors for needlestick and sharp injuries (NSIs) among dental assistants in Jeddah, Saudi Arabia. *Environmental Health and Preventive Medicine*. In press.
2. **Al-Zoughool M**, Bird M, Rice J, Billard M, Birkett N, Krewski D, and Zielinski JM. 2019. Development of a database on key characteristics of human carcinogens. *Journal of Toxicology and Environmental Health B Critical Reviews* 2019 Aug 4:1-24. doi: 10.1080/10937404.2019.1642593. [Epub ahead of print]
3. **Al-Zoughool M**, Al-Ahmari H and Khan A. 2018. Patterns of physical activity and the risk of coronary heart disease in Riyadh, Saudi Arabia. *International Journal of Environmental Research and Public Health*. 15(4), 778-791.
4. **Al-Zoughool M** and Al-Shehri. 2018. Infection risk among dentists and dental professionals in Riyadh, Saudi Arabia. *Toxicology and Industrial Health* 34(9):609-619.
5. **Al-Zoughool M** and Al-Mistneer. 2018. Risk of asthma symptoms among workers in health care settings. *International Journal of Environmental Impacts* 1 (2): 172–182.
6. **Al-Zoughool M**, Tyshenko M, and Jradi H. 2017. Towards an Effective Public Health Strategy to Reduce the Burden of Disease from Non-Communicable Diseases in the Gulf Region. *Gulf Medical Journal*. 6(1): 2-10.
7. **Al-Zoughool M**, Oraby T, Krewski D. 2016. A Bayesian back-calculation method to estimate the risk of bovine spongiform encephalopathy (BSE) in Canada during the period 1996-2011. *Journal of Toxicology and Environmental Health A*. 79 (1617):700-12.
8. **Al-Zoughool M**. 2015. Air pollution: health effects and assessment of exposure levels. *Reviews in Environmental Health*, 30 (3):131-3.
9. Krewski D, Westphal M, Andersen M, Paoli G, Chiu W, **Al-Zoughool M**, Croteau M, Burgoon L, and Cote I. 2014. A Framework for the Next Generation of Risk Science. *Environmental Health Perspectives*. 122(8):796-805.
10. **Al-Zoughool M**, Pintos J, Richardson L, Parenet L, Ghadirian P, Krewski D, and Siemiatycki J. 2013. Exposure to Environmental Tobacco Smoke and the Risk of Lung Cancer in Montréal: a case-control study. *BMC Environmental Health*. 12:112.
11. **Al-Zoughool M**, Tyshenko M, and Krewski D. 2010. Risk Management of the Bovine Spongiform Encephalopathy and Variant Creutzfeldt-Jacob Disease in France: Policy Analysis and Lessons Learned. *International Journal of Risk Assessment and Management*. 14(1-2): 103-120.
12. **Al-Zoughool M** and Krewski D. 2009. Health effects of radon: A review of the literature. *International Journal of Radiation Biology* 85: 57–69.
13. Wilcox H B, **Al-Zoughool M**, Garner M J, Jiang H, Krewski D, Nicholson W, Landrigan P, and Zielinski J. 2008. Case-control study of radon and lung cancer in New Jersey. *Radiation Protection Dosimetry* 128:169-179.
14. **Al-Zoughool M**, Allen N, Tjonneland A, Kaaks R, Francoise C, Tjonneland A, Key T, Dossus L, Bueno-de-Mesquita H. Bas, Boshuizen H C, Jakob L, Jenny Chang-Claude, Riboli E., et al. 2007. Risk of endometrial cancer in relationship to cigarette smoking: results from the EPIC study. *International Journal of Cancer* 121:2741-2747.
15. **Al-Zoughool M**, Succop P, Vietas J, Desai P, and Talaska G. 2006. Effect of N-glucuronidation on urinary bladder genotoxicity of 4-aminobiphenyl in male and female mice. *Environmental Toxicology and Pharmacology* 22: 153-156.
16. Talaska G, **Al-Zoughool M**, Malaveille C, Fiorini L, Schumann B, Vietas J, Marsala R, Matullo G, Sacerdote C, and Vineis P. 2006. Randomized controlled trial: effects of diet on DNA damage in heavy smokers. *Mutagenesis* 21: 179-183.