



## *Résumé*

# *Ali Ghaffarian-Bahraman*

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### **Education:**

- Ph.D in **Pharmacology and Toxicology** from Shiraz University of medical sciences  
2013\_2019

Dissertation: “The study of reciprocal interaction between aryl hydrocarbon receptor (AHR) and melanocortin receptor 1 ligands in melanogenesis” under supervision of Professor of Toxicology Akram Jamshidzadeh and Associate Professor of Toxicology Afshin Mohammadi Bardbori in Shiraz University of Medical Sciences, Department of Pharmacology and Toxicology.

- M.Sc. in **Toxicology** from Tehran University of medical sciences 2008\_2011

Dissertation: “Protective effect of magnesium (Mg) and selenium (Se) on cadmium (Cd) toxicity in the isolated perfused rat liver system” under supervision of Professor Mahmoud Ghazi-Khansari Tehran University of medical sciences, Department of pharmacology.

- B.S in Public Health from Kerman University of Medical Sciences 2003-2008

Project course title: “Prevalence of thalassemia in Kerman province” Under supervision of Dr. Maryem Safarnavadh

## 1. Publications & Submission:

2. A. Jafari, Sh. Shoeibi, M. Amini, **A. Ghafarian**, M. Ghazi-Khansari " **Monitoring of Dithiocarbamate Fungicide Residues in Greenhouse and Nongreenhouse Tomatoes by High Performance Liquid Chromatography in Iran**" Food Additives & Contaminants [2012](#)
3. **A. Ghafarian Bahraman**, I. Shahroozian, A. Jafari, M. Ghazi-Khansari " **Protective effect of magnesium (Mg) and selenium (Se) on cadmium (Cd) toxicity in the isolated perfused rat liver system**" [2014](#)
4. M. Allahtavakoli, N. Honari, I. Pourabolli, M.K Arababadi, **A. Ghafarian Bahraman**, A. Roohbakhsh, A.E Nadimi, A. Shamsizadeh " **Vitex Agnus Castus Extract Improves Learning and Memory and Increases the Transcription of Estrogen Receptor  $\alpha$  in Hippocampus of Ovariectomized Rats**" [2015](#)
5. Mohammadi, A. Najibi, N. Amirzadegan, R. Gharibi, M. Omid, A. Saeedi, **A. Ghafarian Bahraman**, H. Niknahad " **Coenzyme Q10 remarkably improves the bio-energetic function of rat Liver mitochondria treated with statins**" [2015](#)
6. **A. Ghafarian Bahraman**, N. Sadeghimanesh, M. Mirzaei, A. Mohammadi " **Effects of omeprazol and ketoconazole on aryl hydrocarbon receptor (AHR)**" [2017](#)
7. M. Omid, **A. Ghafarian Bahraman**, A. Mohammadi " **GSH/GSSG redox couple plays central role in aryl hydrocarbon receptor-dependent modulation of cytochrome P450 1A1**" [2018](#)
8. **A. Ghafarian Bahraman**, S. Hosseini, A. Jafari, J. Ghani-Dehkordi, MR, Arabnezhad " **Occurrence of aflatoxin M1 in milk of five animal species in Iran: a systematic review and meta-analysis**" ([2019](#))
9. A. Ghaedi, Majid Keshavarzi, **A. Ghafarian Bahraman**, A. Mohammadi " **Selective cytochrome P450 1A1 but not 1B1 promoter CpG island DNA methylation by 6-formylindolo[3,2-b]carbazole (FICZ)**" ([2019](#))
10. MR. Arabnezhad, N. Montazeri, N. Chatrabnous, **A. Ghafarian Bahraman**, A. Mohammadi. " **Anti-androgenic effect of 6-formylindolo[3,2-b]carbazole (FICZ) in LNCaP cells is mediated by the aryl hydrocarbon-androgen receptors cross-talk**" [2020](#)
11. M. Keshavarzi, M.J. Khoshnood, **A. Ghafarian Bahraman**, A. Mohammadi " **An endogenous ligand of aryl hydrocarbon receptor 6-formylindolo[3,2-b]carbazole (FICZ) is a signaling molecule in neurogenesis of adult hippocampal neurons**" ([2020](#))

12. Yasaman Behzadipour, Issa Sadeghian, **Ali Ghaffarian Bahraman**, Shiva Hemmati "Introducing a delivery system for melanogenesis inhibition in melanoma B16F10 cells mediated by the conjugation of tyrosine ammonia-lyase and a TAT-penetrating peptide" [2020](#)
13. **Bahraman, Ali Ghaffarian**, Akram Jamshidzadeh, Majid Keshavarzi, Mohammad-Reza Arabnezhad, Hamidreza Mohammadi, and Afshin Mohammadi-Bardbori. " **$\alpha$ -Melanocyte-Stimulating Hormone Triggers Melanogenesis Via Activation of the Aryl Hydrocarbon Receptor Pathway in B16F10 Mouse Melanoma Cells.**" *International Journal of Toxicology* **40**,[2021](#).
14. Mohammadi, H., Daryabor, G., **Ghaffarian Bahraman, A.**, Keshavarzi, M., Kalantar, K., & Mohammadi-Bardbori, A. **Aryl hydrocarbon receptor engagement during redox alteration determines the fate of CD4+ T cells in C57BL/6 mice.** *Journal of Biochemical and Molecular Toxicology*; [2021](#).
15. Mohammadi, Salman, Majid Keshavarzi, Asma Kazemi, Enayat Berizi, Mohammad Ali Mohsenpour, and **Ali Ghaffarian-Bahraman**. "Occurrence of aflatoxin M 1 in yogurt of five countries in west Asia region: A systematic review and meta-analysis." *Journal of Food Safety* [.2021](#)
16. Mohammadi, Salman, Reza Rastmanesh, Farzaneh Jahangir, Zohreh Amiri, Kurosh Djafarian, Mohammad Ali Mohsenpour, Soheil Hassanipour, and **Ali Ghaffarian-Bahraman**. "Melatonin Supplementation and Anthropometric Indices: A Randomized Double-Blind Controlled Clinical Trial." *BioMed Research International*. [2021](#).
17. Keshavarzi, M., Moradbeygi, F., Mobini, K., **Ghaffarian Bahraman, A.**, Mohammadi, P., Ghaedi, A. and Mohammadi-Bardbori, A., 2022. **The interplay of aryl hydrocarbon receptor/WNT/CTNNB1/Notch signaling pathways regulate amyloid beta precursor mRNA/protein expression and effected the learning and memory of mice.** *Toxicology Research*, 11(1), pp.147-161.
18. **Ghaffarian-Bahraman, A.**, Arabnezhad, M.R., Keshavarzi, M., Davani-Davari, D., Jamshidzadeh, A. and Mohammadi-Bardbori, A., 2022. **Influence of cellular redox environment on aryl hydrocarbon receptor ligands induced melanogenesis.** *Toxicology in Vitro*, 79, p.105282.
19. Haghani, F., Arabnezhad, M.R., Mohammadi, S. and **Ghaffarian-Bahraman, A.**, 2022. **Aloe vera and Streptozotocin-Induced Diabetes Mellitus.** *Revista Brasileira de Farmacognosia*, pp.1-14.
20. **Ghaffarian-Bahraman, A.**, Taherifard, A., Esmaeili, A., Ahmadinia, H. and Rezaeian, M., 2021. **Evaluation of blood lead among painters of buildings and cars.** *Toxicology and industrial health*, 37(12), pp.737-744.
21. S Mohammadi, M Hosseinikia, **A Ghaffarian-Bahraman**, CCT Clark, **Dietary inflammatory index and elevated serum C-reactive protein: A systematic review and meta-analysis.** *Food Science & Nutrition* 11 (10), 5786-5798 (2023)

22. **A Ghaffarian-Bahraman, S Mohammadi, A Dini, Occurrence and risk characterization of aflatoxin M1 in milk samples from southeastern Iran using the margin of exposure approach.** Food Science & Nutrition (2023)
23. M Rezaeian, M Mohamadi, H Ahmadinia, H Mohammadi, **A Ghaffarian-Bahraman Lead and arsenic contamination in henna samples marketed in Iran** , Environmental Monitoring and Assessment 195 (8), 913 (2023)
24. S Mohammadi, S Hassanipour, H Delam, HA Nikbakht, ZG Far, D Firoozi, **A Ghaffarian-Bahraman Prevalence of hypertension in Iran: An updated systematic review and meta-analysis of community-based studies** Caspian Journal of Internal Medicine 14 (4), 607 (2023)
25. MR Arabnezhad, F Haghani, **A Ghaffarian-Bahraman, E Jafarzadeh, Involvement of Nrf2 signaling in lead-induced toxicity,** Current Medicinal Chemistry (2024)

### **Participation Training Courses & Workshops**

26. Workshops : How to review a paper
27. Workshops: Scientific Writing 1 (Basic)
28. Workshops: Search Electronic Resources
29. Workshops: General approach to the poisoned
30. Certification: The 10<sup>th</sup> Iranian Congress of Toxicology and Poisoning (Shahid Beheshti University of medical sciences)
31. Certification : The 11<sup>th</sup> Iranian Congress of Toxicology (Mashhad University of medical sciences)