

CURRICULUM VITAE

Section A DATE CV PREPARED

June 05, 2017

Section B BIOGRAPHICAL INFORMATION

Mahmoud Hashemzaei, PhD

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1. Degrees

Ph.D.	2011	Pharmacodynamics and Pharmacology- Faculty of pharmacy Mashhad University of Medical Sciences, Mashhad, Iran
Pharm. D.	1998	Doctor of pharmacy (Pharm. D) - Faculty of Pharmacy Shahid Beheshti University of Medical Sciences, Tehran, Iran

2. Employment

2011-present	Assistant professor of clinical pharmacy, Faculty of Pharmacy, Zabol University of Medical Sciences, Zabol, Iran
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3. Honours

2014	Research Award, Zabol University of Medical Sciences
2015	Research Award, Zabol University of Medical Sciences
2016	Research Award, Zabol University of Medical Sciences

4. Professional Affiliations & Activities:

a) Professional Affiliations

APAMP
Iranian Society of Toxicology

b) Professional Activities

2011-2013	Deputy of Research in Zabol University of Medical Sciences, Zabol, Iran
2013-present	Deputy of education in Zabol University of Medical Sciences, Zabol, Iran
2011-Present	Supervisor of more than 25 pharmacy undergraduate theses
2009-Present	Teaching pharmacology and toxicology courses to pharmacy students

5-Books

Pharmacology at a glance (translation)

6. PEER REVIEWED PUBLICATIONS

Seyedeh Maryamdokht Taimoory, John F. Trant, Abbas Rahdar, Mousa Aliahmad, Fardin Sadeghfar, **Mahmoud hashemzaei**: *Importance of the Inter-Electrode Distance for the Electrochemical Synthesis of Magnetite Nanoparticles: Synthesis, Characterization, Computational Modelling, and Cytotoxicity*. e-Journal of Surface Science and Nanotechnology 03/2017; accepted., DOI:10.1380/ejssnt.2017.31

Mahmoud hashemzaei, Mina Abdollahzadeh, Mehrdad Iranshahi, Ebrahim Golmakani, Ramin Rezaee, Kaveh Tabrizian: *Effects of luteolin and luteolin-morphine co-administration on acute and chronic pain and sciatic nerve ligated-induced neuropathy in mice*. Journal of Complementary and Integrative Medicine 03/2017; 14(1)., DOI:10.1515/jcim-2016-0066

Mahmoud hashemzaei, Reza Entezari Heravi, Ramin Rezaee, Ali Roohbakhsh, Gholamreza Karimi: *Regulation of autophagy by some natural products as a potential therapeutic strategy for cardiovascular disorders*. European journal of pharmacology 02/2017;, DOI:10.1016/j.ejphar.2017.02.038

Mahmoud hashemzaei, Arian Khandan Barani, Mehrdad Iranshahi, Ramin Rezaee, Konstantinos Tsarouhas, Aristidis Michael Tsatsakis, Martin F Wilks, Kaveh Tabrizian: *Effects of resveratrol on carbon monoxide-induced cardiotoxicity in rats*. 07/2016; 46., DOI:10.1016/j.etap.2016.07.010

- Mahmoud hashemzaei**, Mohammad Yarahmazehi, Kaveh Tabrizian, Jafar Shahraki: *PALLADIUM INDUCED OXIDATIVE STRESS AND CELL DEATH IN NORMAL HEPATOCYTES*. DOI:10.4314/jfas.8vi2s.6
- Mahmoud hashemzaei**: *EFFECTS OF LUTEOLIN ON INTRA PERITONEAL ADHESION BANDS IN RAT*. DOI:10.4314/jfas.8vi2s.1
- Mahmoud hashemzaei**, Saeed Keykha, Fatemeh Shahraki, Amirhooshang Mohammadpour, Kaveh Tabrizian: *EFFECTS OF MAGNESIUM SULFATE ON THE ACQUISITION AND REINSTATEMENT OF MORPHINE-INDUCED CONDITIONED PLACE PREFERENCE IN MICE*. DOI:10.4314/jfas.8vi2s.7
- Mahmoud hashemzaei**, Mohsen Imen Shahidi, Seyyed Adel Moallem, Khalil Abnous, Maryam Ghorbani, Amir Hooshang Mohamadpour: *Modulation of JAK2, STAT3 and Akt1 proteins by granulocyte colony stimulating factor following carbon monoxide poisoning in male rat*. Drug and Chemical Toxicology 01/2016; 39(4):1-5., DOI:10.3109/01480545.2015.1123267
- F. Amirabadi, K. Tabrizian, A. Rashki, R. Rezaee, A.M. Tsatsakis, A.L. Arsene, A.O. Docea, M. Moshiri, M. Hashemzaei: *Lead levels in children deciduous teeth are associated with parents' education status and daily dairy consumption: An iranian experience*.
- Mahmoud hashemzaei**, Saeed Pudine Karami, Amin Delaramifar, Alireza Sheidary, Kaveh Tabrizian, Ramin Rezaee, Shabnam Shahsavand, Andreea Letiția Arsene, Aristidis Michael Tsatsakis, Mohammad Taghdisi: *Anticancer effects of co-administration of daunorubicin and resveratrol in MOLT-4, U266 B1 and Raji cell lines*. Farmacia 01/2016; 64(1).
- Maryam Ghorbani, Amir Hooshang Mohammadpour, Khalil Abnous, Ahmad Reza Movassaghi, Javad Raouf Sarshoori, Shabnam Shahsavand, **Mahmoud hashemzaei**, Seyyed Adel Moallem: *G-CSF administration attenuates brain injury in rats following carbon monoxide poisoning via different mechanisms*. Environmental Toxicology 10/2015; DOI:10.1002/tox.22210
- Kaveh Tabrizian, Najmeh Sadat Yaghoobi, Mehrdad Iranshahi, Jafar Shahraki, Ramin Rezaee, **Mahmoud hashemzaei**: *Auraptene consolidates memory, reverses scopolamine-disrupted memory in passive avoidance task, and ameliorates retention deficits in mice*. Iranian Journal of Basic Medical Science 10/2015; 18(10):1014-1019.
- Faezeh Vahdati Hassani, Ramin Rezaee, Hasan Sazegara, **Mahmoud hashemzaei**, Kobra Shirani, Gholamreza Karimi: *Effects of silymarin on neuropathic pain and formalin-induced nociception in mice*. Iranian Journal of Basic Medical Science 09/2015; 18(7):715-20.
- Faezeh Vahdati Hassani, **Mahmoud hashemzaei**, Edris Akbari, Mohsen Imenshahidi, Hossein Hosseinzadeh: *Effects of berberine on acquisition and reinstatement of morphine- induced conditioned place preference in mice*. Avicenna Journal of Phytomedicine 06/2015; 6(2).
- Amir Hooshang Mohammadpour, Alireza Tavassoli, Mohammad Reza Khakzad, Elahe Zibaei, Mohammad Afshar, **Mahmoud hashemzaei**, Gholamreza Karimi: *Effect of gold*

nanoparticles on postoperative peritoneal adhesions in rats. 06/2015; 2(ISSN 2322-5904):225-232., DOI:10.7508/nmj.2015.03.006

Kaveh Tabrizian, Abdolmajid Yazdani, Behnam Baheri, Borna Payandemehr, Mehdi Sanati, **Mahmoud hashemzaei**, Abdolhossein Miri, Majid Zandkarimi, Maryam Belaran, Sahar Fanoudi, Mohammad Sharifzadeh: *Zinc Chloride and Lead Acetate-Induced Passive Avoidance Memory Retention Deficits Reversed by Nicotine and Bucladesine in Mice.* Biological trace element research 06/2015; 169(1)., DOI:10.1007/s12011-015-0399-z

Mahmoud hashemzaei, Jalal Pourahmad, Fahimeh Safaeinejad, Kaveh Tabrizian, Fahimeh Akbari, Gholamreza Bagheri, Mir-Jamal Hosseini, Jafar Shahraki: *Antimony induces oxidative stress and cell death in normal hepatocytes.* Toxicological and Environmental Chemistry 04/2015; 97(2-ahead-of-print):1-10., DOI:10.1080/02772248.2015.1032616

Mahmoud hashemzaei, Mohammad Amin SadeghiBonjar, Kaveh Tabrizian, Mehrdad Iranshahi, Milad Iranshahy, Ramin Rezaee: *Evaluation of the analgesic effect of Umbelliprenin and Umbelliprenin-morphine co-administration on the acute, chronic and neuropathic pain.* Indian journal of pharmaceutical education 02/2015; 49(2):121-125., DOI:10.5530/ijper.49.2.7

V Mashayekhi, Kamaledin Haj Mohammad Ebrahim Tehrani, M Hashemzaei, K Tabrizian, J Shahraki, M-J Hosseini: *Mechanistic approach for the toxic effects of perfluorooctanoic acid on isolated rat liver and brain mitochondria.* Human & Experimental Toxicology 01/2015; 34(10)., DOI:10.1177/0960327114565492

Mahmoud hashemzaei, Mohsen Imenshahidi, Reza Qaredashi, Hossein Hosseinzadeh: *Inhibitory Effect of Berberis vulgaris Aqueous Extract on Acquisition and Reinstatement Effects of Morphine in Conditioned Place Preferences (CPP) in Mice.* Jundishapur Journal of Natural Pharmaceutical Products 06/2014; 9(3):e16145., DOI:10.17795/jjnpp-16145

Ramin Rezaee, Mahmoud Mahmoudi, Khalil Abnous, Shahrzad Zamani Taghizadeh Rabe, Nafiseh Tabasi, **Mahmoud hashemzaei**, Gholamreza Karimi: *Cytotoxic effects of crocin on MOLT-4 human leukemia cells.* Journal of Complementary and Integrative Medicine 01/2013; 10(1):1-8., DOI:10.1515/jcim-2013-0011

Amir Hooshang Mohamadpour, Seyyed Adel Moallem, **Mahmoud hashemzaei**, Khalil Abnous, Seyyed Abbas Tabatabaee Yazdi, Mohsen Imenshahidi: *Effects of granulocyte colony-stimulating factor on electrocardiogram changes after carbon monoxide poisoning in rats.* Drug and Chemical Toxicology 11/2011; 35(4):353-60., DOI:10.3109/01480545.2011.627863

7-Research Experience:

- Molecular western blot analysis
- Gas poisoning including CO poisoning
- Addiction studies
- Neuropathic pain
- Ischemia/reperfusion
- ECG

Brain hypoxia

Genotoxicity by comet assay

8-research interest

Western blot

Ischemia reperfusion

Cardiotoxicity

Addiction