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### ***CONTACT INFORMATION***

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### ***EDUCATION***

- 4) Tehran University of Medical Sciences, faculty of pharmacy, PhD (Toxicology/Pharmacology), 2010 (Evaluation of 25Mg-PMC16 Nanoparticles effect on mitochondrial dysfunction(ATP synthesis), oxidative toxicity and neural stereological changes in Streptozotocin-induced diabetic neuropathy in rat.).
- 3) Tehran University of Medical Sciences, Faculty of Medicine, M.Sc (Toxicology), 2002 (Lead and cadmium determination in evaporated milk and infant formulas consumed in Tehran in 2001).
- 2) Tehran University of Sciences, Faculty of science, B.S.C (Biology), 1997.
- 1) High school certificate (Natural Sciences), 1993.

### ***WORKSHOPS AND SHORT COURSES***

- 8) Workshop on Translation and exchange of knowledge, Iran University of Medical Sciences, Tehran, Iran, 14 Jun 2015.

- 7) Workshop on docking simulation methods to study the interaction of drugs and proteins, Iran University of Medical Sciences, Tehran, Iran, 13 and 21 October 2015.
- 6) Scientific research method, pharmaceutical sciences research center, Tehran University of Medical Sciences, Tehran, Iran, 16-17 October 2012
- 5) The Biotek Lab company training course on Applications of Multi-Mode Microplate Reader. Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, January 2010
- 4) Workshop on Current Problems in Medical Writing & Editing. Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, 13-14 June 2010
- 3) Workshop on Behavioral Methods in Neuroscience. Faculty of Pharmacy, National Center of Excellence of Toxicology and School of Advanced Medical Technologies, Tehran University of Medical Sciences, Tehran, Iran, 9-10 June 2009
- 2) Workshop on Drug and poison information. The 10<sup>th</sup> Iranian Congress of Toxicology and Poisoning, Tehran, Iran, 18-20 May 2009
- 1) Workshop on Reference Manager. Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, February 2006

### ***ACADEMIC POSITIONS***

- 3) Assistant Professor of Razi Drug Research Center, Tehran University of Medical Sciences, Faculty of Medicine from 2011.
- 2) Resident of Pharmacology & Toxicology, Tehran University of Medical Sciences, faculty of pharmacy from 2005 until 2010.
- 1) Instructor of Toxicology & Pharmacology, Tehran University of Medical Sciences, Faculty of Pharmacy from 2007 until 2010.

### ***REVIEWER OF INTERNATIONAL JOURNALS***

Toxicology Mechanisms and Methods  
Archives of Medical Science  
Human and Experimental Toxicology  
Biomedical and Environmental Sciences  
Iranian Journal of Pharmacology & Therapeutics  
Biological Trace Element Research  
Oxidative Medicine and Cellular Longevity  
Research Journal of Pharmacognosy  
European Journal of Medical Chemistry  
Journal of Biochemical and Molecular Toxicology  
Journal of Analytical Science and Technology

### ***TEACHING***

Pharmacology (theory and practice), Toxicology (theory & practice), Management of poisoning, Occupational toxicology, etc.

### ***RESEARCH AREA***

- 15) Molecular medicine
- 14) Molecular pharmacology
- 13) Cell culture
- 12) Clinical studies
- 11) Diabetic neuropathy
- 10) Diabetes
- 9) Nanoparticles application in medicine
- 8) Oxidative stress
- 7) Spatial memory
- 6) Pesticides
- 5) Heavy Metals
- 4) Epidemiology of poisonings
- 3) Colitis
- 2) Mechanistic Toxicology and Pharmacology
- 1) Pharmacogenosy and Biochemical studies on human and animals.

### ***EXPERIENCE***

Food and Drug Administration (FDA) of Iran (2000-2002).

Institute of Standard & Industrial researches of Iran (2003-2005).

### ***MEMBER OF ACADEMIC SOCIETIES***

Member of Iranian Society of Toxicology (2002 until present).

Member of Iranian Cell Death Association (ICDA) A Chapter of International Cell Death Society (ICDS).(2011 until present).

Member of Iranian Society of Physiology and Pharmacology.(2011 until present).

### ***PROFESSIONAL PROJECT HISTORY***

- 1) Scientific Project Involvement as executive (2017, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Study of phosphodiesterase inhibitors protective effect in vivo model of diabetic neuropathy by exploring the pathways of hyperglycemia-induced oxidative stress and inflammation in dorsal root ganglion neurons.** (Executive)
- 2) Scientific Project Involvement as executive (2017, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).

**Mitoprotection effect of phosphodiesterase inhibitors on degeneration of dorsal Root ganglion neurons in experimental diabetic neuropathy. (Executive)**

- 3) Scientific Project Involvement (2017, Research Center for Experimental Medicine, Medicine Faculty, Tehran University of Medical Science, Tehran).  
**Study of therapeutic levels effect of lithium on desmopressin- induced experimentally endolymphatic hydrops (role of NMDA/NO system).**
- 4) Scientific Project Involvement as executive (2015, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Comparison of the Effect of alpha lipic acid and coenzyme Q on oxidative stress and apoptosis in rat dorsal root ganglion neurons isolated from rat in diabetic neuropathy. (Executive)**
- 5) Scientific Project Involvement as executive (2014, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Study of phosphodiesterase inhibitors protective effect on hyperglycemia-induced oxidative stress and apoptosis in PC12 cells. (Executive)**
- 6) Scientific Project Involvement as executive (2012, Iran National Science Foundation).  
**Mitoprotection effects of cerium and yttrium oxide nanoparticles and nanoselenium in pancreatic beta cells exposed to H<sub>2</sub>O<sub>2</sub>-induced oxidative stress. (Executive)**
- 7) Scientific Project Involvement as executive (2011, Science Department, Medical Faculty, Alborz University of Medical Science).  
**To investigate the incidence of aluminum phosphide (rice tablet) poisoning in karaj (1385-90). (Executive)**
- 8) Scientific Project Involvement as executive (2011, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Study of alpha-lipoic acid protective effect on high glucose- induced gene expression of mitochondrial cell death pathway and status of free radicals produced in PC12 cells. (Executive)**
- 9) Scientific Project Involvement as executive (2011, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**Study of cerium and yttrium oxide nanoparticles protective effect on the function and biological activity of pancreas isolated islets from oxidative stress – induced apoptosis in the male wistar rat's.**
- 10) Scientific Project Involvement as executive (2011, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Study of cerium and yttrium oxide nanoparticles protective effect on acute lead poisoning - induced oxidative stress and apoptosis in rat hippocampus. (Executive)**

- 11) Scientific Project Involvement (2011, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Investigation of protective effect of cerium and yttrium nanoparticles on high glucose induced apoptosis and oxidative stress in PC12 cell.**
  
- 12) Scientific Project Involvement (2011, Razi Drug Research Center, Medicine Faculty, Iran University of Medical Science, Tehran).  
**Study of cerium and yttrium oxide nanoparticles neuroprotective effect on dorsal root ganglion neurons in STZ-diabetic neuropathy in rat.**
  
- 13) Scientific Project Involvement (2010, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**Evaluation of CeO<sub>2</sub>, nanoparticle, with the selenium salt (Na<sub>2</sub>SeO<sub>3</sub>) on the function and biological activity of isolated islets from the male wistar rat's pancreas.**
  
- 14) Scientific Project Involvement (2010, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**Evaluation of CeO<sub>2</sub>, nanoparticle, with the selenium salt (Na<sub>2</sub>SeO<sub>3</sub>) on the hyperglycemia and oxidative stress Markers in streptozotocin-induced diabetic Rat.**
  
- 15) Scientific Project Involvement (2009, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**Study of PMC16 effect on streptozotocin-induced diabetic neuropathy in rat.**
  
- 16) Scientific Project Involvement (2009, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**The study of PMC16 effect on decrease of malathion-induced toxicity and affect it on ATP synthesis in liver in rat.**
  
- 17) Scientific Project Involvement (2009, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**The study on the protective effects of PMC16 nanoparticle on malathion- induced oxidative stress in the rat heart tissue.**
  
- 18) Scientific Project Involvement (2009, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).  
**A retrospective 7-years study of aluminum phosphide poisoning in Tehran.**

19) Scientific Project Involvement (2008, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).

**A Time-Course Analysis of Systemic Administration of *Boswellia Papyrifera* Extract or its Active Moieties on Spatial Memory Retention in Male Rats.**

20) Scientific Project Involvement (2007, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).

**Evaluation of *Ziziphora-Clinopoides* effects in Nitrosative esters in IBD-induced DSS.**

21) Scientific Project Involvement (2006, Toxicology Department, Pharmacy Faculty, Tehran University of Medical Science, Tehran).

**Evaluation of green tea effects in spatial memory and oxidative stress in Rat model.**

### ***ABSTRACTS PAPERS IN INTERNATIONAL CONGRESS***

- 1) Saberi Firouzi S, Nikoui V, Namazi Sarvestani N, Bakhtiarian A, Ghazi Khansari M, Karimi MY, [Hosseini A\\*](#). Phosphodiesterase 5 inhibitor produce protective effects against high glucose-induced neurotoxicity in PC12 cells by preventing oxidative stress, apoptosis and inflammation pathways. 23<sup>rd</sup> International Iranian Congress of Physiology and Pharmacology, Chabahr, Iran, 15-18 February, 2018.
- 2) Namazi Sarvestani N, Saberi Firouzi S, Bakhtiarian A, Ghazi Khansari M, Karimi MY, [Hosseini A\\*](#). Protective role of PDE4 and PDE7 inhibitors against neurotoxicity induced by high glucose in neuronal PC12 cell. 14<sup>th</sup> Iranian Congress of Toxicology, Shiraz, Iran, 24-26 October 2017.
- 3) Tavoosi Sh, Baghsheikhi AH, Namazi Sarvestani N, Karimi MY, [Hosseini A\\*](#). Protective effects of cerium and yttrium oxide nanoparticles in pancreatic beta cell line exposed to oxidative stress. 2<sup>nd</sup> Nanomedicine and Nanosafety Conference, Tehran, Iran, 29-30 November, 2017.
- 4) Baghsheikhi AH, Tavoosi Sh, Namazi Sarvestani N, Karimi MY, [Hosseini A\\*](#). Protective effects of nano selenium in pancreatic beta cell line exposed to oxidative stress. 2<sup>nd</sup> Nanomedicine and Nanosafety Conference, Tehran, Iran, 29-30 November, 2017.
- 5) [Hosseini A](#), Najafi R, Sharifi AM, Abdollahi M, Baeri M, Hassani SH, Bayrami Z. Neuroprotective effects of cerium oxide nanoparticles against lead-induced neurotoxicity in rat hippocampus. 13<sup>th</sup> Iranian International Congress of Toxicology, Urmia, Iran, 12 - 14 May, 2015.
- 6) Aghazadeh Khasraghi A, Baeri M, Payandemehr B, Rezaeiroushan, Mostafa Piralı M, Hassani SH, Gholami M, [Hosseini A](#), Hassanzadeh GH, Dehpour AR, Sharifzadeh M. Ameliorative effects of lithium on Streptozocin-induced diabetic neuropathy by

improving ADP/ATP ratio in dorsal root ganglion of rats. 13<sup>th</sup> Iranian International Congress of Toxicology, Urmia, Iran, 12 -14May, 2015.

- 7) Ghaznavi H, Najafi R, [Hosseini A](#), Mehrzadi S, Tekyemarroof N, Rezayat M, Sharifi AM. Neuroprotective effects of yttrium oxide nanoparticles on high glucose-induced oxidative stress and apoptosis in PC12 cells. The 4<sup>th</sup> international symposium on molecular technology (Biotechnology in Progress). Drug Development and Therapeutics, Tehran, Iran, 14-16 October 2014.
- 8) Najafi R, Ghaznavi H, [Hosseini A](#), Mehrzadi S, Tekyemarroof N, Rezayat M, Sharifi AM. Neuroprotective effects of Cerium oxide nanoparticles on high glucose-induced oxidative stress and apoptosis in PC12 cells. The 4<sup>th</sup> international symposium on molecular technology (Biotechnology in Progress). Drug Development and Therapeutics, Tehran, Iran, 14-16 October 2014.
- 9) Tavakoli-far B, [Hosseini A](#), Nouri Sepehr M, Dehghan MH, Mahdi Navesi B. To investigate the incidence of aluminium phosphide (rice tablet) poisoning in karaj city (1385-1390). 21<sup>st</sup> International Iranian Congress of Physiology and Pharmacology, Tabriz, Iran, 23-27 August 2013.
- 10) Najafi R, Ghaznavi H, [Hosseini A](#), Mehrzadi S, Tekyemarroof N, Sharifi AM. Investigating the neuro-protective effects of cerium and yttrium oxide nanoparticles on high glucose-induced oxidative stress and apoptosis in PC12 cells. 21<sup>st</sup> International Iranian Congress of Physiology and Pharmacology, Tabriz, Iran, 23-27 August 2013.
- 11) [Hosseini A](#), Baeri M, Sharifi AM, Rezvan Najafi R, Hassani SH, Safa M, Bairami Z, Abdollahi M. Neuroprotective effects of cerium and yttrium oxide nanoparticles against lead - induced oxidative stress and apoptosis in rat hippocampus. 12<sup>th</sup> Iranian Congress of Toxicology, Sari, Iran, 15-17 May 2013.
- 12) Pourkhalili N, Nili-Ahmadabadi A, [Hosseini A](#), Hassani S, Pakzad M, Baeri M, Mohammadirad A, Abdollahi M. Evaluation of cerium oxide nanoparticle and sodium selenite combination on oxidative stress and biochemical markers in murine diabetes. 11<sup>th</sup> international Iranian Toxicology Congress, Mashad, Iran, 13-15 September 2011.
- 13) Baeri M, Shariatpanahi M, Baghaei A, Ghasemi-Niri SF, Mohammadi H, Mohammadirad A, Hassani S, Bayrami Z, [Hosseini A](#), Rezayat SM, Abdollahi M. Prevention of Alp- induced toxicity and cardiac failure: Role of magnetic magnesium nanocarrier. 11<sup>th</sup> international Iranian Toxicology Congress, Mashad, Iran, 13-15 September 2011.
- 14) [Hosseini A](#), Sharifzade M, Abdollahi M, Rezayat M, Hassanzade G, Hassani Sh, Shetab Bushehri V. The study of <sup>25</sup>MgPMC16 nanoparticles effect on ATP changes in dorsal root ganglion neurons in diabetic neuropathy, by ion-pair HPLC method in rat, The 19<sup>th</sup> Iranian Congress of Physiology & Pharmacology, Tehran, Iran, 3-6 November 2009.
- 15) [Hosseini A](#), Sharifzade M, Abdollahi M, Rezyat M, Baeri M, Hassanzade G, Shetab Bushehri V. The effects of PMC16 on streptozotocin-induced diabetic neuropathy in

rat. 10<sup>th</sup> Iranian Congress of Toxicology and Poisoning. Tehran, Iran, 18-20 May 2009. P:18.

- 16) Sharifzade M, Ranjbar A., [Hosseini A.](#) The effect of green tea extract on oxidative stress and spatial learning in Streptozotocin-diabetic rats. . The 9th Iranian Congress of Biochemistry. Shiraz, Iran, Oct 29-Nov 1, 2007.
- 17) [Hosseini A.](#), Amini-Shrazi N, Ranjbar A, Abdollahi M, Shadnia S, Ebadollahi AR. An epidemiological study of poisoning cases of aluminium phosphide reported to Loghman hospital (2001-2006). The 9th Iranian Congress of Toxicology. Shiraz, Iran, 15-17 May 2007, P: 183.
- 18) Amini-Shirazi N, [Hosseini A.](#), Ranjbar A, Mohammadirad A, Yasa N, Abdollahi M. Biochemical mechanisms of anti-colitis action of Ziziphora clinopoides in mouse. The 9th Iranian Congress of Toxicology. Shiraz, Iran, 15-17 May 2007. P: 130.
- 19) Ranjbar A, Abdollahi M, [Hosseini A.](#), Amini-Shirazi N, et al. Induction of oxidative stress in chronic exposure to aluminum. The 15th World Congress of Pharmacology. Beijing, China, 2-7 July 2006.
- 20) [Hosseini A.](#) Ghazi-Khansari M. Lead and Cadmium Concentration in evaporated milk and infant formula which imported to Food and Drug Administration in 1379. Proceedings of the 7th congress of Toxicology & poisoning. Isfahan, Iran, 2002; P: 85.

#### **ABSTRACT PAPERS IN INTERNATIONAL JOURNALS**

- 1) Sasanian G, Shadnia S, Abdollahi M, Allami P, [Hosseini A.](#), Ranjbar A, Amini - Shirazi N. A retrospective 7 - years study of aluminum phosphide poisoning in Tehran. Toxicology Letters 2010; 196, Suppl. 1, 17: S80 - S81.
- 2) Ranjbar A., Abdollahi M., [Hosseini A.](#), Amini-Shirazi N., Jazani RK., Sedighi A., M. Ghazi-Khansari . Induction of oxidative stress in chronic exposure to aluminum. ACTA PHARMACOLOGICA SINICA 2006, 27: 446 - 446 Suppl. 1 JUL 2006.
- 3) [Hosseini A.](#), Ghazi- Khansari M, Cheraghali A, Zamani F. Lead and cadmium determination in evaporated milk and infant formulas consumed in Tehran, Toxicology Letters, 2001; 123(Suppl.1);43.

#### **BOOKS**

##### **Chapters in book:**

Abdollahi M & [Hosseini A.](#) Chapters: Formaldehyde, Carbon Disulfide, Streptozotocin, Cyanogen Chloride, Hydrogen Sulfide, Hydrogen Peroxide, Charcoal. **Encyclopedia of Toxicology.** (Eds: P. Wexler, M. Abdollahi, A. Peyster, S. C. Gad, H. Greim, S. Harper, V.C.



Moser, SD. Ray, J. Tarazona, TJ. Wiegand). Elsevier. Academic Press; Third Edition, April 15, 2014, 4896 pages.

### ***PUBLICATIONS IN INTERNATIONAL JOURNALS***

- 1) Sadeghiyan Galeshkalami N, Abdollahi M, Najafi R, Baeeri M, Jamshidzade A, Falak R, Davoodzadeh Gholami M, Hassanzadeh G, Mokhtari T, Hassani S, Rahimifard M, [Hosseini A\\*](#). Alpha-lipoic acid and coenzyme Q10 combination ameliorates experimental diabetic neuropathy by modulating oxidative stress and apoptosis. *Life Sci.* 2019 Jan 1;216:101-110.
- 2) Mohammadinejad R, Moosavi MA, Tavakol S, Vardar DÖ, [Hosseini A](#), Rahmati M, Dini L, Hussain S, Mandegary A, Klionsky DJ. Necrotic, apoptotic and autophagic cell fates triggered by nanoparticles. *Autophagy.* 2019 Jan;15(1):4-33.
- 3) Ranjbar A, Firozian F, Soleimani Asl S, Ghasemi H, Taheri Azandariani M, Larki A, Kheiripour N, [Hosseini A](#), Naserabadi A. Nitrosative DNA damage after sub-chronic exposure to silver nanoparticle induces stress nephrotoxicity in rat kidney. *Toxin Reviews.* 2018, 37(4), pp. 327-333.
- 4) Namazi Sarvestani N, Saberi Firouzi S, Falak R, Karimi MY, Davoodzadeh Gholami M, Rangbar A, [Hosseini A\\*](#). Phosphodiesterase 4 and 7 inhibitors produce protective effects against high glucose-induced neurotoxicity in PC12 cells via modulation of the oxidative stress, apoptosis and inflammation pathways. *Metab Brain Dis.* 2018 Aug;33(4):1293-1306.
- 5) Saberi Firouzi S, Namazi Sarvestani N, Bakhtiarian A, Ghazi Khansari M, Karimi MY, Ranjbar A, Safa M, [Hosseini A\\*](#). Sildenafil protective effects on high glucose-induced neurotoxicity in PC12 cells: the role of oxidative stress, apoptosis, and inflammation pathways in an in vitro cellular model for diabetic neuropathy. *Neurol Res.* 2018 Apr 6:1-13.
- 6) Khasraghi, A.A, Baeeri, M, Payandemehr, B, Rezaeiroushan, M., Vakilzadeh, G, Hassani, S, [Hosseini, A](#), Hassanzadeh, G, Dehpour, A.R, Sharifzadeh, M. Lithium decreases streptozocin-induced diabetic neuropathy in rats by inhibiting of adenosine triphosphate (ATP) degradation. *Acta Medica Iranica.* Volume 56, Issue 3, 2018, Pages 151-160.
- 7) Ganji M, Karimi J, Hosseini SA, Moridi H, [Hosseini A](#), Ahmadimoghaddam D, Ranjbar A. Experimental Study of Cerium Oxide Nanoparticles(CeNP) Against Malathion Induced Lung Oxidative Toxic Stress in Rats. *IJPT.* (In press).
- 8) Sharifzadeh M, Ranjbar A, [Hosseini A](#), Khanavi M. The Effect of Green Tea Extract on Oxidative Stress and Spatial Learning in Streptozotocin-diabetic Rats. *Iran J Pharm Res.* 2017 Winter; 16(1):201-209.

- 9) Najafi R, [Hosseini A](#), Ghaznavi H, Mehrzadi S, Sharifi AM. Neuroprotective effect of cerium oxide nanoparticles in a rat model of experimental diabetic neuropathy. *Brain Res Bull*. 2017 May; 131:117-122.
- 10) Ghaznavi H, Najafi R, Mehrzadi S, [Hosseini A](#), Tekyemarroof N, Shakeri-Zadeh A, Rezayat M, Sharifi AM. Neuro-protective effects of cerium and yttrium oxide nanoparticles on high glucose-induced oxidative stress and apoptosis in undifferentiated PC12 cells. *Neurol Res*. 2015 Jul; 37(7):624-32.
- 11) Najafi R, Sharifi AM, [Hosseini A](#)\*. Protective effects of alpha lipoic acid on high glucose-induced neurotoxicity in PC12 cells. *Metab Brain Dis*. 2015 Jun; 30(3):731-8.
- 12) [Hosseini A](#)\*, Sharifi AM, Abdollahi M, Najafi R, Baeri M, Rayegan S, Cheshmehnour J, Hassani S, Bayrami Z, Safa M. Cerium and yttrium oxide nanoparticles against lead-induced oxidative stress and apoptosis in rat hippocampus. *Biol Trace Elem Res*. 2015 Mar; 164(1):80-9.
- 13) [Hosseini A](#), Abdollahi M. Diabetic neuropathy and oxidative stress: therapeutic perspectives. *Oxid Med Cell Longev*. 2013; 2013:168039.
- 14) [Hosseini A](#), Baeri M, Rahimifard M, Navaei-Nigjeh M, Mohammadirad A, Pourkhalili N, Hassani S, Kamali M, Abdollahi M. Antiapoptotic effects of cerium oxide and yttrium oxide nanoparticles in isolated rat pancreatic islets. *Hum Exp Toxicol*. 2013 May;32(5):544-53.
- 15) Baeri M, Shariatpanahi M, Baghaei A, Ghasemi-Niri SF, Mohammadi H, Mohammadirad A, Hassani S, Bayrami Z, [Hosseini A](#), Rezayat SM, Abdollahi M. On the benefit of magnetic magnesium nanocarrier in cardiovascular toxicity of aluminum phosphide. *Toxicol Ind Health*. 2013 Mar;29(2):126-35.
- 16) [Hosseini A](#) and Abdollahi M. Through a mechanism-based approach, nanoparticles of cerium and yttrium may improve the outcome of pancreatic islet isolation. *J Med Hypotheses Ideas*. 2012 January; 6(1): 4-6.
- 17) [Hosseini A](#), Nikfar S, Abdollahi M. Probiotics use to treat irritable bowel syndrome. *Expert Opin Biol Ther*. 2012 Oct;12(10):1323-34.
- 18) [Hosseini A](#), Nikfar SH, Abdollahi M. Are probiotics effective in management of irritable bowel syndrome? *Arch Med Sci*. 2012; 8, 3: 403-405.
- 19) Pourkhalili N, [Hosseini A](#), Nili-Ahmadabadi A, Rahimifard M, Navaei-Nigjeh M, Hassani S, Baeri M, Abdollahi M. Improvement of isolated rat pancreatic islets function by combination of cerium oxide nanoparticles/sodium selenite through reduction of oxidative stress. *Toxicol Mech Methods*. 2012; 22(6):476-82.
- 20) [Asieh Hosseini](#) and Mohammad Abdollahi. It is Time to Formulate an Antioxidant Mixture for Management of Diabetes and its Complications: Notice for Pharmaceutical Industries. *International Journal of Pharmacology*. 2012; 8(1): 60-61.

- 21) [Asieh Hosseini](#) and Mohammad Abdollahi. Antioxidants as an Appropriate Approach to Improve the Outcome of Pancreatic Islet Isolation: Evidences from Animal Studies. *Asian Journal of Animal and Veterinary Advances*. 2012; 7(6): 540-541.
- 22) Pourkhalili N, [Hosseini A](#), Nili-Ahmadabadi A, Hassani S, Pakzad M, Baeri M, Mohammadirad A, Abdollahi M. Biochemical and cellular evidence of the benefit of a combination of cerium oxide nanoparticles and selenium to diabetic rats. *World J Diabetes*. 2011 Nov 15;2(11):204-10.
- 23) [Asieh Hosseini](#) . How Much Chronic Exposure to Aluminum and its Toxicity Should be Concerned in Current Human Life? *International Journal of Pharmacology*. 2011; 7(6): 675-676.
- 24) [Hosseini A](#), Abdollahi M, Hassanzadeh G, Rezayat M, Hassani S, Pourkhalili N, Tabrizian K, Khorshidahmad T, Beyer C, Sharifzadeh M. Protective effect of magnesium-25 carrying porphyrin-fullerene nanoparticles on degeneration of dorsal root ganglion neurons and motor function in experimental diabetic neuropathy. *Basic Clin Pharmacol Toxicol*. 2011 Nov;109(5):381-6.
- 25) Shafiee H, Mohammadi H, Rezayat SM, [Hosseini A](#), Baeri M, Hassani S, Mohammadirad A, Bayrami Z, Abdollahi M. Prevention of malathion-induced depletion of cardiac cells mitochondrial energy and free radical damage by a magnetic magnesium-carrying nanoparticle. *Toxicol Mech Methods*. 2010 Nov; 20(9):538-43.
- 26) [Hosseini A](#), Sharifzadeh M, Rezayat SM, Hassanzadeh G, Hassani S, Baeri M, Shetab-Bushehri V, Kuznetsov DA, Abdollahi M. Benefit of magnesium-25 carrying porphyrin-fullerene nanoparticles in experimental diabetic neuropathy. *Int J Nanomedicine*. 2010 Aug 9; 5:517-23.
- 27) Azami K, Etmnani M, Tabrizian K, Salar F, Belaran M, [Hosseini A](#), Hosseini-Sharifabad A, Sharifzadeh M. The quantitative evaluation of cholinergic markers in spatial memory improvement induced by nicotine-bucladesine combination in rats. *Eur J Pharmacol*. 2010 Jun 25; 636(1-3):102-7.
- 28) Tabrizian K, Najafi SH, Belaran M, Hosseini-Sharifabad A, Azami K, [Hosseini A](#), Soodi M, Kazemi A, Kebriaeezadeh A and Sharifzadeh M. Effects of Selective iNOS Inhibitor on Spatial Memory in Recovered and Non-recovered Ketamine Induced-anesthesia in Wistar Rats. *Iranian Journal of Pharmaceutical Research*. 2010 March; 9(3): 313-320.
- 29) Amini-Shirazi N, [Hoseini A](#), Ranjbar A, Mohammadirad A, Khoshakhlagh P, Yasa N, Abdollahi M. Inhibition of tumor necrosis factor and nitrosative/oxidative stresses by *Ziziphora clinopoides* (Kahlioni); a molecular mechanism of protection against dextran sodium sulfate-induced colitis in mice. *Toxicol Mech Methods*. 2009 Feb; 19(2):183-9.
- 30) Shadnia S, Sasanian G, Allami P, [Hosseini A](#), Ranjbar A, Amini-Shirazi N, Abdollahi M. A retrospective 7-years study of aluminum phosphide poisoning in Tehran: opportunities for prevention. *Hum Exp Toxicol*. 2009 Apr; 28(4):209-13.

- 31) Karimfar M H, Tabrizian K, Azami K, Hosseini-Sharifabad A, [Hoseini A](#), Pourghorban M, Aghsami M, Gholizadeh S, Abdollahi M, Roghani A, Sharifzadeh M. Time course effects of lithium administration on spatial memory acquisition and cholinergic marker expression in rats. DARU. 2009; 17(2): 113-123.

### **PUBLICATIONS IN PERSIAN JOURNALS**

- 1) Bahareh Tavakoli-Far, Bahareh Mahdi Navesi, Tannaz Salehi, [Asieh Hosseini](#), Mitra Rahimzadeh, Mohammad Hossein Dehghan, Mohammad Abdollahi, Mohammad Noorisepehr. To Investigate the Abundance of Aluminum Phosphide Poisoning in Karaj-Iran from 2006 to 2011. Alborz University of Medical Sciences Journal, August 2018, Vol. 7, No. 3: 207-212.
- 2) Alizadeh S, Zendehtdel R, Asadi S, Ranjbarian M, Mahmoodi Meymand M, Motevalian M, [Hosseini A.](#)\* Effect of Extremely Low Frequency Magnetic Field on the Quantity and Structure of Hemoglobin of Employees in Electricity Industry. Pathobiology Research Volume 22, Issue 1, Winter 2019. Pages: 1-5.
- 3) [Asieh Hosseiny](#), M Ghazi Khansari, et al. Lead and Cadmium Concentration in evaporated milk and infant formula which imported to Food and Drug Administration in 1379. Research in Medical Sciences, Journal of Medical Science of Isfahan University, Issue:7, No:1