

# *Curriculum Vitae*

## **Personal Information:**

First Name: Esfandiar  
Last Name: Heidarian  
Gender: Male  
Nationality: Iranian  
Date of Birth: 21 March, 1967  
Place of Birth: Shahrekord  
Marital status: Married, two children

### *Work place Address:*

Paramedicine Faculty, Shahrekord University of Medical Sciences, Shahrekord, Iran.

Telephone +98-38-33346721

Fax +98-38-33346720

E-mail: [heidarian46@yahoo.com](mailto:heidarian46@yahoo.com); [heidarian\\_e@skums.ac.ir](mailto:heidarian_e@skums.ac.ir)

Web: [www.skums.ac.ir](http://www.skums.ac.ir)

### *Language Skills:*

English

## **Education:**

1999-2003: Ph.D. Student of Clinical Biochemistry, Department of Biochemistry, School of Pharmacy, Isfahan University of Medical Sciences, Isfahan, Iran.

1992-1995 - M.Sc, Clinical Biochemistry, Isfahan University of Medical Sciences, School of Pharmacy, Isfahan, Iran.

1986-1990 – B.Sc, Biology, Isfahan University, Faculty of Sciences, Isfahan, Iran.

1985: Diploma in Experimental Sciences, Shahid Salehi High School,  
Farrokh-Shahr, Iran.

## **ACADEMIC POSITIONS**

**2014:** Professor of Clinical Biochemistry at Shahrekord University of Medical Sciences. Clinical Laboratory Department. Shahrekord, IRAN.

**2009 to 2013:** Associate Professor of Clinical Biochemistry at Shahrekord University of Medical Sciences. Clinical Laboratory Department. Shahrekord, IRAN.

**2003 to 2008:** Assistant Professor of Clinical Biochemistry at Ilam University of Medical Sciences. Biochemistry Department. Ilam, IRAN.

1996-2003: Assistant lecturer of Clinical Biochemistry at Ilam University of Medical Sciences. Biochemistry Department. Ilam, IRAN.

## **Memberships**

-2003-present	Iranian association of Biochemistry
-2009-Present	Iraninan Society of Trace elements

..

## **Experiences**

- Separation methods (Chromatographic Methods)
- Protein purification
- Enzymatic activity assay
- Cell culture
- Oxidative stress test assays
- Antioxidant test methods
- Real-time quantitative PCR (RT- qPCR) techniques

## Research Interests

- Cancer and combination therapy
- Effects of natural antioxidants on oxidative stress
- Effects of natural antioxidants on cancers
- Effects of natural antioxidants on toxicity

## Publications :

1. Ahmadi R, **Heidarian E**, Fadaei R, Moradi N, Malek M, Fallah S. miR-342-5p Expression Levels in Coronary Artery Disease Patients and its Association with Inflammatory Cytokines. Clin Lab. 2018;64(4):603-609. doi: 10.7754/Clin.Lab.2017.171208.
2. Sharifi-Rigi A, **Heidarian E**, Amini SA. Protective and anti-inflammatory effects of hydroalcoholic leaf extract of *Origanum vulgare* on oxidative stress, TNF- $\alpha$  gene expression and liver histological changes in paraquat-induced hepatotoxicity in rats. Arch Physiol Biochem. 2018;9:1-8. doi: 10.1080/13813455.2018.1437186.
3. Rouhi-Boroujeni H, **Heidarian E**, Rouhi-Boroujeni H, Khoddami M, Gharipour M, Rafieian-Kopaei M. Use of lipid-lowering medicinal herbs during pregnancy: A systematic review on safety and dosage. ARYA Atheroscler. 2017;13(3):135-155. Review
4. Saffari-Chaleshtori J, Heidari-Sureshjani E, Moradi F, Jazi HM, **Heidarian E**. The Study of Apoptosis-inducing Effects of Three Pre-apoptotic Factors by Gallic Acid, Using Simulation Analysis and the Comet Assay Technique on the Prostatic Cancer Cell Line PC3. Malays J Med Sci. 2017;24(4):18-29. doi: 10.21315/mjms2017.24.4.3.
5. Panahandeh G, Khoshdel A, **Heidarian E**, Amiri M, Rahiminam H. Blood Lead Levels in Children of Southwest Iran, Aged 2-6 Years and Associated Factors. J Clin Diagn Res. 2017;11(7):SC01-SC04. doi: 10.7860/JCDR/2017/25370.10198.
6. Karimi-Khouzani O, **Heidarian E**, Amini SA. Anti-inflammatory and ameliorative effects of gallic acid on fluoxetine-induced oxidative stress and liver damage in rats. Pharmacol Rep. 2017;69(4):830-835. doi: 10.1016/j.pharep.2017.03.011.

7. Ahmadi-Naji R, **Heidarian E**, Ghatreh-Samani K. Evaluation of the effects of the hydroalcoholic extract of Terminalia chebula fruits on diazinon-induced liver toxicity and oxidative stress in rats. *Avicenna J Phytomed.* 2017;1-1.
8. Shirzad M, **Heidarian E**, Beshkar P, Gholami-Arjenaki M. Biological Effects of Hesperetin on Interleukin-6/Phosphorylated Signal Transducer and Activator of Transcription 3 Pathway Signaling in Prostate Cancer PC3 Cells. *Pharmacognosy Res.* 2017;9(2):188-194. doi: 10.4103/0974-8490.204655.
9. Nouri A, **Heidarian E**, Nikoukar M. Effects of N-acetyl cysteine on oxidative stress and TNF- $\alpha$  gene expression in diclofenac-induced hepatotoxicity in rats. *Toxicol Mech Methods.* 2017; 8:1-7. doi: 10.1080/15376516.2017.1334732.
10. Eskandari E, **Heidarian E**, Amini SA, Saffari-Chaleshtori J. Evaluating the effects of ellagic acid on pSTAT3, pAKT, and pERK1/2 signaling pathways in prostate cancer PC3 cells. *J Cancer Res Ther.* 2016;12(4):1266-1271. doi: 10.4103/0973-1482.165873.
11. **Heidarian E**, Jafari-Dehkordi E, Valipour P, Ghatreh-Samani K, Ashrafi-Eshkaftaki L. Nephroprotective and Anti-Inflammatory Effects of Pistacia atlantica Leaf Hydroethanolic Extract Against Gentamicin-Induced Nephrotoxicity in Rats. *J Diet Suppl.* 2017;14(5):489-502. doi: 10.1080/19390211.2016.1267062.
12. Rahimi-Madiseh M, **Heidarian E**, Kheiri S, Rafieian-Kopaei M. Effect of hydroalcoholic Allium ampeloprasum extract on oxidative stress, diabetes mellitus and dyslipidemia in alloxan-induced diabetic rats. *Biomed Pharmacother.* 2017;86:363-367. doi: 10.1016/j.biopha.2016.12.028.
13. Rouhi-Boroujeni H, **Heidarian E**, Rouhi-Boroujeni H, Deris F, Rafieian-Kopaei M. Medicinal Plants with Multiple Effects on Cardiovascular Diseases: A Systematic Review. *Curr Pharm Des.* 2017;23(7):999-1015. doi: 10.2174/1381612822666161021160524.

14. Rahimi-Madiseh M, Naimi A, **Heidarian E**, Rafieian-Kopaei M. Renal biochemical and histopathological alterations of diabetic rats under treatment with hydro alcoholic *Morus nigra* extrac. *J Renal Inj Prev*. 2017; 6(1): 56–60. doi: 10.15171/jrip.2017.10
15. **Heidarian E**, Keloushadi M, Ghatreh-Samani K, Valipour P. The reduction of IL-6 gene expression, pAKT, pERK1/2, pSTAT3 signaling pathways and invasion activity by gallic acid in prostate cancer PC3 cells. *Biomed Pharmacother*. 2016;84:264-269. doi: 10.1016/j.biopha.2016.09.046.
16. Rouhi-Boroujeni H, **Heidarian E**, Deris F, Rafieian-Kopaei M. extract of *pistacia atlantica* on hyperlipidemia and biomarkers of oxidative stress in rats fed a high-fat diet and hypoglycemic effect in diabetic rats induced with alloxan. *IIOABJ*. 2017 ; 8 ( 2 ): 58-64.
17. **Heidarian E**, Amini A, Abbasi-Veldani A, Ghatreh-Samani K. Effects of Quercetin on Signaling Proteins (pSTAT3, pERK1/2, pAKT) and Interleukin-6 Gene Expression in Prostate Cancer PC3 cells. *J Mazandaran Univ Med Sci*. 2017;26(144):290-300.
18. Khoshdel A, Noormohammadi H, Kheiri S, Reisi R, Nourbakhsh SM, Panahandeh GR, **Heidarian E**. Effect of Phenobarbital on Nitric Oxide Level in Term Newborn Infants with Perinatal Asphyxia. *Oman Med J*. 2016;31(5):332-5. doi: 10.5001/omj.2016.67.
19. Valipour P, **Heidarian E**, Khoshdel A, Gholami-Arjenaki M. Protective Effects of Hydroalcoholic Extract of *Ferulago Angulata* Against Gentamicin-induced Nephrotoxicity in Rats. *Iran J Kidney Dis*. 2016;10(4):189-96.
20. Namjoo AR, Bahalo H, **Heidarian E**, Rahimi E. Protective effect of mummy on gentamicin induced nephrotoxicity in rats. *J Mazandaran Univ Med Sci*. 2016;26(135):107-18.
21. Namjoo AR, **Heidarian E**, Rafieian-Kopaei M, Safarian M. Effect of Experimental Diabetes Mellitus on some Biochemical Parameters and Histopathological Changes in Pancreas, Liver, Kidney, and Lung in Ovariectomized Rats. *J Mazandaran Univ Med Sci*. 2016;26(138):1-6.
22. Rouhi-Boroujeni H, Rouhi-Boroujeni H, **Heidarian E**, Mohammadzadeh F, Rafieian-Kopaei M. Herbs with anti-lipid effects and their interactions with

statins as a chemical anti- hyperlipidemia group drugs: A systematic review. *ARYA Atheroscler.* 2015;11(4):244-51. Review.

23. Akbari F, Shahinfard N, Mirhoseini M, Shirzad H, **Heidarian E**, Hajian S, Rafieian-Kopaei M. Impacts of Hibiscus esculentus extract on glucose and lipid profile of diabetic rats. *J Nephropharmacol.* 2015 19;5(2):80-85. eCollection 2016.
24. Saneipour M, Ghatreh-Samani K, **Heidarian E**, Farrokhi E, Abdian N. Adiponectin inhibits oxidized low density lipoprotein-induced increase in matrix metalloproteinase 9 expression in vascular smooth muscle cells. *ARYA atherosclerosis.* 2015;11(3):191.
25. Keloushadi M, **Heidarian E**, Ghatreh-Samani K, Rafieian-Kopaei M. The effect of carvacrol on the interleukin-6 gene expression and cell signaling proteins in prostatic cancer cell line DU-145. *J Shahrekord Univ Med Sci.* 2015;17(2):105-18.
26. Musavi-Ezmareh SF, Mazani M, **Heidarian E**, Alipanah-Moghadam R, Rafieian-Kopaei M, Ebrahimi M, Shahinfard N, Ghezal-Sofli E. Effect of hydroalcoholic extract of Chevil (*Ferulago angulata*) on glucose and lipid in diabetic male rats. *IJEM.* 2015;17(3):230-7.
27. Moradi E, **Heidarian E**, Gholami-Arjenaki M, Saffari-Chaleshtori J, Mardani G, Karimi-Taghanaki A, Normohammadian Z. Effect of Quercetin on Methotrexate-induced Hepatic and Renal Damages in Male Rats. *J Mazandaran Univ Med Sci.* 2015;25(127):25-37.
28. Saffari-Chaleshtori J, Gholami M, Keloushadi M, Heidari E, **Heidarian E**. Damage intensity of gallic acid on prostatic cancer cells line Du145 by alkaline electrophoresis. *J Shahrekord Univ Med Sci.* 2015;17(3):48-56.
29. Shirzad M, Beshkar P, **Heidarian E**. The effects of hesperetin on apoptosis induction and inhibition of cell proliferation in the prostate cancer PC3 cells. *Journal of HerbMed Pharmacology.* 2015;4(4): 121-124.
30. Khoshdel A, Kheiri S, Nasiri J, Tehran HA, **Heidarian E**. The effect of Ramadan fasting on serum leptin, neuropeptide Y and insulin in pregnant women. *Med J Islam Repub Iran.* 2014;28:92. eCollection 2014.

31. Saneipour M, Samani KG, **Heidarian E**, Farrokhi E. The effect of adiponectin on matrix metalloproteinase-9 (MMP-9) in vascular smooth muscle cells. *J Kerman Univ Med Sci*. 2014;21(5):384-93.
32. **Heidarian E**, Rafieian-Kopaei M, Khoshdel A, Bakhshesh M. Metabolic effects of berberine on liver phosphatidate phosphohydrolase in rats fed on high lipogenic diet: an additional mechanism for the hypolipidemic effects of berberine. *Asian Pac J Trop Biomed*. 2014;4(Suppl 1):S429-35. doi: 10.12980/APJTB.4.2014C474.
33. **Heidarian E**, Saffari J, Jafari-Dehkordi E. Hepatoprotective action of *Echinophora platyloba* DC leaves against acute toxicity of acetaminophen in rats. *J Diet Suppl*. 2014;11(1):53-63. doi: 10.3109/19390211.2013.859217.
34. Rabiei Z, Rafieian-Kopaei M, **Heidarian E**, Saghaei E, Mokhtari S. Effects of Zizyphus jujube extract on memory and learning impairment induced by bilateral electric lesions of the nucleus Basalis of Meynert in rat. *Neurochem Res*. 2014;39(2):353-60. doi: 10.1007/s11064-013-1232-8.
35. Bakhshesh M, **Heidarian E**, Abdolkarimi A, Alizadeh S, Karimian M. Differential consequences of unilateral nasal air-puff stimulation on breathing pattern and respiratory system mechanics in tracheotomized rats. *Iran J Basic Med Sci*. 2013;16(2):116-22.
36. Rezaei A, **Heidarian E**. Co-administration of trientine and flaxseed oil on oxidative stress, serum lipids and heart structure in diabetic rats. *Indian J Exp Biol*. 2013;51(8):646-52.
37. Asgary S, Rafieian-Kopaei M, Najafi S, **Heidarian E**, Sahebkar A. Antihyperlipidemic effects of Sesamum indicum L. in rabbits fed a high-fat diet. *ScientificWorldJournal*. 2013;2013:365892. doi: 10.1155/2013/365892.
38. Setorki M, Rafieian-Kopaei M, Merikhi A, **Heidarian E**, Shahinfard N, Ansari R, Nasri H, Esmael N, Baradaran A. Suppressive impact of anethum graveolens consumption on biochemical risk factors of atherosclerosis in hypercholesterolemic rabbits. *Int J Prev Med*. 2013;4(8):889-95.

39. Rafieian-kopaei M, Keshvari M, Asgary S, Salimi M, **Heidarian E**. Potential role of a nutraceutical spice (*Allium hirtifolium*) in reduction of atherosclerotic plaques. *J HerbMed Pharmacol*. 2013;2(2):23-8.
40. **Heidarian E**, Rafieian-Kopaei M. Protective effect of artichoke (*Cynara scolymus*) leaf extract against lead toxicity in rat. *Pharm Biol*. 2013;51(9):1104-9. doi: 10.3109/13880209.2013.777931.
41. **Heidarian E**, Kashani B, Rafieian-Kopaei M, Hajhosseini R, Ansari-Samani R. The effect of sesame oil on the liver phosphatidate phosphohydrolase and serum lipoproteins in hypercholesterolemic rabbits. *Sci J Kurdistan Univ Med Sci*. 2013;18(2):26-35.
42. **Heidarian E**, Movahed-Mohammadi G, Saffari J, Ghatreh-Samani K. Protective effect of hydroethanolic extract of cress against hepatotoxicity due to acetaminophen in rats. *J Mazandaran Univ Med Sci*. 2013;23(102):73-84.
43. Rafieian-Kopaei M, **Heidarian E**. The effect of acryl amide on tissue changes, blood and enzymatic parameters in male rats. *J Shahrekord Univ Med Sci*. 2013;14(6):27-37.
44. **Heidarian E**, Rafieian-Kopaei M, Jafarian-Dehkordi M. Effect of chronic oral administration of garlic aqueous extract on tissue changes, some blood and enzymatical parameters in male rats. *J Shahrekord Univ Med Sci*. 2013 Apr 15;15(1):103-13.
45. Rouhi-Broujeni H, **Heidarian E**, Darvishzadeh-Boroojeni P, Rafieian-Kopaei M, Gharipour M. Lipid lowering activity of moringa pergerina seeds in rat: A comparison between the extract and atorvastatin. *Res J Biol Sci*. 2013;8(5):150-4.
46. **Heidarian E**, Jafari-Dehkordi E, Seidkhani-Nahal A. Lipid-lowering effect of artichoke on liver phosphatidate phosphohydrolase and plasma lipids in hyperlipidemic rats. *J Med Plants Res*. 2011;5(19):4918-24.
47. **Heidarian E**, Soofiniya Y. Hypolipidemic and hypoglycemic effects of aerial part of *Cynara scolymus* in streptozotocin-induced diabetic rats. *J Med Plants Res*. 2011;5(13):2717-23.



48. Namjoo A, Kargar A, **Heidarian E**, Ashje A, Malki S. The toxicity effect of methyl mercury chloride on newborn rat: enzymatic, histology change and mercury accumulation. *J Shahrekord Univ Med Sci*. 2012;14(2):101-11.
49. Yaghmaie P, **Heidarian E**, Poorbahman N. The regenerative effects of *Thymus vulgaris* extract on beta cells of pancreas of streptozotocin induced diabetic Wistar rats. *Med Sci J Islamic Azad Univ Tehran Med Branch*. 2011;21(3):162-7.
50. **Heidarian E**, Jafari-Dehkordi E, Seidkhani-Nahal A. Effect of garlic on liver phosphatidate phosphohydrolase and plasma lipid levels in hyperlipidemic rats. *Food Chem Toxicol*. 2011;49(5):1110-4. doi: 10.1016/j.fct.2011.02.001.
51. **Heidarian E**, Hajihossaini R, Jafari Dehkordy E.3, Omidi H. Effects of Pistachio Nut Powder on Rat Liver Phosphatidate Phosphohydrolase and Serum Lipids and Lipoproteins Profile. *J Ilam Univ Med Sci*, 2008; 16(1): 47-56.
52. **Heidarian E**, Amini M, Parham M, Aminorroaya A. Effect of zinc supplementation on serum homocysteine in type 2 diabetic patients with microalbuminuria. *Rev Diabet Stud*. 2009;6(1):64-70. doi: 10.1900/RDS.2009.6.64.
53. **Heidarian E**, Haghighi B, Dehkordy EJ. The effect of some detergents and stabilizing agents on plasma. *J Kermanshah Univ Med Sci*. 2009;13(1): 10-19.
54. Yaghmaei p, **Heidarian e**, Pourbahman n. The effect of *Thymus vulgaris* aerial parts aqueous extract on the some of serum parameters in streptozotocin induced diabetic wistar rats. *J Food Tech Nut* 2012; 9 (35): 15 - 20.
55. Parham M, Amini M, Aminorroaya A, **Heidarian E**. Effect of zinc supplementation on microalbuminuria in patients with type 2 diabetes: a double blind, randomized, placebo-controlled, cross-over trial. *Rev Diabet Stud*. 2008;5(2):102-9. doi: 10.1900/RDS.2008.5.102.

56. **Esfandiar Heidarian**, Bahram Haghighi. Evidence for histidine residues on plasma membrane phosphatidate phosphohydrolase from rat liver. Iran J Basic Med Sci. 2008; 11(3):166-73.
57. Rezaei- tavirani M3., Mahdavi S., **Heidarian E.**, Alizadeh- Motlagh N., Aghamohammadi M., et al Electrochemical study of Activated HpB binding to Human Serum Albumin. J Ilam Univ Med Sci. 2007; 14 (4):37-42.
58. **Heidarian E**, Haghighi B. Rat Membrane Phosphatidate Phosphohydrolase and the Reason for its  $Mg^{2+}$  Independence. J Ilam Univ Med Sci, 2006; 14 (3):12-21.
59. Bahram Haghighi, **Esfandiar Heidarian**. Evidence for an essential lysine residue on cytosolic phosphatidate phosphohydrolase from rat liver. Iran. J. Sci. Tech., Trans. A, 2001; 25:175-182.