

In the name of God
CURRICULUM VITAE
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- 1) Possible involvement of female sex steroid hormones in intracellular signal transduction mediated by cytokines following traumatic brain injury.
Farahani F, Khaksari M, Amiresmaili S, Iranpour M, Shahrokhi N, AsadiKaram G, Soltani Z. Brain Res Bull. 2022 Jan;178:108-119. doi: 10.1016/j.brainresbull.2021.11.013.
- 2) Protective Roles of Shilajit in Modulating Resistin, Adiponectin, and Cytokines in Rats with Nonalcoholic Fatty Liver Disease.
Ghezelbash B, Shahrokhi N, Khaksari M, Asadikaram G, Shahrokhi M, Shirazpour S. Chinese journal of integrative medicine. 2022 Jun;28(6):531-7.
- 3) The Effect of Dialectic Behavioral Counseling on Depression, Anxiety, and Postpartum Hematocrit Level.
Amiri NP, Ahmadi A, Mirzaee F, Mirzai M, Shahrokhi N. Rev Bras Ginecol Obstet. 2021 Apr;43(4):275-282. doi: 10.1055/s-0041-1728780.
- 4) Expression of type II toxin-antitoxin systems and ClpP protease of methicillin-resistant *Staphylococcus aureus* under thermal and oxidative stress conditions.
Karimaei S, Kalani BS, Shahrokhi N, Mashhadi R, Pourmand MR. Iran J Microbiol. 2021; 13(2):204211. doi: 10.18502/ijm.v13i2.5982.
- 5) Evaluation of accessible regions of Escherichia coli fimH mRNA through computational prediction and experimental investigation.
Mood EH, Japoni-Nejad A, Karam MA, Pooya M, Bouzari S, Shahrokhi N. Iran J Microbiol. 2021 Oct;13(5):653-663. doi: 10.18502/ijm.v13i5.7430.
- 6) Hippocampal astrocyte response to melatonin following neural damage induction in rats. Babaee A, Vaghefi SH, Soltani SD, Shekaari MA, Shahrokhi N, Basiri M. Basic and Clinical Neuroscience. 2021; 12(2): 12(2): 177–186.
- 7) Evaluation of the protective effect of curcumin on encephalopathy caused by intrahepatic and extrahepatic damage in male rats.
Frozandeh F, Shahrokhi N, Khaksari M, Amiresmaili S, AsadiKaram G, Shahrokhi N, Iranpour M. Iran J Basic Med Sci. 2021; 24(6):760-766. doi: 10.22038/ijbms.2021.53171.11976.
- 8) Neuroprotective effects of auraptene following traumatic brain injury in male rats: The role of oxidative stress.

Keshavarzi Z, Amiresmaili S, Shahrokhi N, Bibak B, Shakeri F. Brain research bulletin. 2021; 1:177:203-9. doi: 10.22038/ijbms.2021.53171.11976.

- 9) Improved spatial memory, neurobehavioral outcomes, and neuroprotective effect after progesterone administration in ovariectomized rats with traumatic brain injury: Role of RU486 progesterone receptor antagonist.
Amirkhosravi L, Khaksari M, Sheibani V, Shahrokhi N, Ebrahimi MN, Amiresmaili S, Salmani N. Iran J Basic Med Sci. 2021 Mar; 24(3): 349–359.
- 10) The Hepatoprotective mechanisms of 17 β -estradiol after traumatic brain injury in male rats: Classical and non-classical estrogen receptors.
Amiresmaili S, Shahrokhi N, Khaksari M, AsadiKaram G, Aflatoonian MR, Shirazpour S, Amirkhosravi L, Mortazaeizadeh A. Ecotoxicology and Environmental Safety. 2021; 15;213:111987.
- 11) Progesterone eliminates 17 β -estradiol-Mediated cardioprotection against diabetic cardiovascular dysfunction in ovariectomized rats.
Azizian H, Khaksari M, Asadikaram G, Esmailidehaj M, Shahrokhi N. Biomed J. 2021 Aug;44(4):461470. doi: 10.1016/j.bj.2020.03.002.
- 12) Targeting of the Essential acpP, ftsZ, and rne Genes in Carbapenem-Resistant Acinetobacter baumannii by Antisense PNA Precision Antibacterials.
Nejad AJ, Shahrokhi N, Nielsen PE. Biomedicines. 2021; 15;9(4):429.
doi: 10.3390/biomedicines9040429.
- 13) Evolution of TLR4 role in mediating the hepatoprotective effects of estradiol after traumatic brain injury in male rats.
Amiresmaili S, Khaksari M, Shahrokhi N, Abolhassani M. Biochem Pharmacol. 2020 Aug;178:114044. doi: 10.1016/j.bcp.2020.114044.
- 14) Surface display of uropathogenic Escherichia coli FimH in Lactococcus lactis: In vitro characterization of recombinant bacteria and its protectivity in animal model.
Derakhshandeh S, Shahrokhi N, Khalaj V, Habibi M, Moazzezy N, Karam MR, Bouzari S. Microbial pathogenesis. 2020, 1;141:103974.
- 15) Using the NGF/IL-6 ratio as a reliable criterion to show the beneficial effects of progesterone after experimental diffuse brain injury.
Shirazpour S, Khaksari M, Shahrokhi N, Iranpour M, Shahryari M, Jafari E, Salmani N. Heliyon. 2020; 1;6(4).

- 16) Beneficial effects of tamoxifen on leptin sensitivity in young mice fed a high fat diet: Role of estrogen receptor α and cytokines.
Farhadi Z, Khaksari M, Azizian H, Mortazaeizadeh A, Shabani M, Shahrokhi N. Life Sci. 2020; 1;246:117384. doi: 10.1016/j.lfs.2020.117384.
- 17) Hepatoprotective effects of Shilajit on high fat-diet induced non-alcoholic fatty liver disease (NAFLD) in rats.
Ghezelbash B, Shahrokhi N, Khaksari M, Ghaderi-Pakdel F, Asadikaram G. Horm Mol Biol Clin Investig. 2020; 14;41(1):/j/hmbci.2020.41.issue-1/hmbci-2019-0040/hmbci-2019-0040.xml. doi: 10.1515/hmbci-2019-0040.
- 18) Effect of shilajit on the levels of pro-inflammatory and anti inflammatory cytokines in ulcerative colitis induced by acetic acid in male rats.
Alimahdi F, Shahrokhi N, Hadad, MK, Asadikaram G, Abolhasani M. Journal of Medicinal Plants. 2020, 19(75): 78-91.
- 19) Evolution of TLR4 role in mediating the hepatoprotective effects of estradiol after traumatic brain injury in male rats.
Amiresmaili, S., Khaksari, M., Shahrokhi, N., Abolhassani, M. Biochemical Pharmacology. 2020; 178: 114044.
- 20) The Effect of Candesartan Alone and Its Combination With Estrogen on Post-traumatic Brain Injury Outcomes in Female Rats.
Hajmohammadi M, Khaksari M, Soltani Z, Shahrokhi N, Najafipour H, Abbasi R. Front Neurosci. 2019 Dec 3;13:1043. doi: 10.3389/fnins.2019.01043.
- 21) The study of the serum level of IL-4, TGF- β , IFN- γ , and IL-6 in overweight patients with and without diabetes mellitus and hypertension.
Asadikaram G, Ram M, Izadi A, Sheikh Fathollahi M, Nematollahi MH, Najafipour H, Shahroozehi B, Mirhoseini M, Masoumi M, Shahrokhi N, Arababadi MK. J Cell Biochem. 2019 Mar;120(3):41474157. doi: 10.1002/jcb.27700.
- 22) Downregulation of IL-22 can be considered as a risk factor for onset of type 2 diabetes.
Asadikaram G, Akbari H, Safi Z, Shadkam M, Khaksari M, Shahrokhi N, Najafipour H, Sanjari M, Arababadi MK. J Cell Biochem. 2018 Nov;119(11):9254-9260. doi: 10.1002/jcb.27194.
- 23) Association of polymorphisms of leptin, leptin receptor and apelin receptor genes with susceptibility to coronary artery disease and hypertension.
Nowzari Z, Masoumi M, Nazari-Robati M, Akbari H, Shahrokhi N, Asadikaram G. Life Sci. 2018 Aug 15;207:166-171. doi: 10.1016/j.lfs.2018.06.007.

- 24) Effects of Female Sex Steroids Administration on Pathophysiologic Mechanisms in Traumatic Brain Injury.
Khaksari M, Soltani Z, Shahrokhi N. Transl Stroke Res. 2018 Aug;9(4):393-416. doi: 10.1007/s12975-017-0588-5.
- 25) Does the administration of melatonin during post-traumatic brain injury affect cytokine levels?
Dehghan F, Shahrokhi N, Khaksari M, Soltani Z, Asadikorom G, Najafi A, Shahrokhi N. Inflammopharmacology. 2018 Aug;26(4):1017-1023. doi: 10.1007/s10787-017-0417-1.
- 26) Effect of Shilajit on the Levels of Pro-inflammatory and Anti-inflammation Cytokines in Hepatic Injury in Male Rats.
Ghaaazi Firozsali F, Shahrokhi N, Khaksari Hadad M, Asadikaram G, Atashbar J. J Mazandaran Univ Med Sci 2018; 28 (159) :1-13.
- 27) Role of melatonin receptors in the effect of estrogen on brain edema, intracranial pressure and expression of aquaporin 4 after traumatic brain injury.
Shahrokhi N, Khaksari M, AsadiKaram G, Soltani Z, Shahrokhi N. Iran J Basic Med Sci. 2018 Mar;21(3):301-308. doi: 10.22038/ijbms.2018.25928.6377.
- 28) Effects of Pistacia atlantica resin oil on the level of VEGF, hydroxyproline, antioxidant and wound healing activity in STZ-induced diabetic rats.
Shahouzehi B, Shabani M, Shahrokhi N, Sadeghiyan S, Masoumi-Ardakani Y. The Ukrainian Biochem J. 2018(90, № 1):34-41.
- 29) The effects of opium addiction on thyroid and sex hormones in diabetic and non-diabetic male and female rats.
Asadikaram G, Akbari H, Vakili S, Asiabaha M, Shahrokhi N, Savardashtaki A. Acta Endocrinologica (Bucharest). 2018 Oct;14(4):466.
- 30) Mumijo protection against acetaminophen-induced acute hepatic injury: Role of oxidative stress
Atashbar J, Shahrokhi N, Khaksari Haddad M, Asadi Karam G, Ghazi F. Journal of Kerman University of Medical Sciences. 2018 Jan; 1;25(1):44-56.
- 31) Interferon-β 1a Modulates Expression of RAGE but Not S100A12 and Nuclear Factor-κB in Multiple Sclerosis Patients.
Asadikaram G, Noroozi S, Ebrahimi Meimand HA, Sanjari M, Zainodini N, Khoramdelazad H, Shahrokhi N, Kazemi Arababadi M. Neuroimmunomodulation. 2017 May 12;23(5-6):345-51.

- 32) Does progesterone improve outcome in diffuse axonal injury?
Soltani Z, Shahrokhi N, Karamouzian S, Khaksari M, Mofid B, Nakhaee N, Reihani H. Brain injury. Brain Injury, 2017, 31(1): 16-23.
- 33) Aqueous date fruit extract can't ameliorate β -amyloid induced memory impairments in male rats.
Mehdipour F, Shahrokhi N, Esmaeilpour K, Kalantaripour TP, Oloumi H, Basiri M, Asadi-Shekaari M. Journal of Biological Sciences, 2017, 17(2): 69-75.
- 34) The Serum Changes of Neuron-Specific Enolase and Intercellular Adhesion Molecule-1 in Patients With Diffuse Axonal Injury Following Progesterone Administration: A Randomized Clinical Trial.
Shahrokhi N, Soltani Z, Khaksari M, Karamouzian S, Mofid B, Asadikaram G. Arch Trauma Res. 2016 Jul 5;5(3):e37005. doi: 10.5812/atr.37005.
- 35) Effect of estrogen and/or progesterone administration on traumatic brain injury-caused brain edema: the changes of aquaporin-4 and interleukin-6.
Soltani Z, Khaksari M, Shahrokhi N, Mohammadi G, Mofid B, Vaziri A, Amiresmaili S. Journal of physiology and biochemistry. 2016 Mar;72:33-44.
- 36) What are the progesterone-induced changes of the outcome and the serum markers of injury, oxidant activity and inflammation in diffuse axonal injury patients?
Mofid B, Soltani Z, Khaksari M, Shahrokhi N, Nakhaee N, Karamouzian S, Ahmadinejad M, Maiel M, Khazaeli P. International immunopharmacology. 2016 Mar 1;32:103-10.
- 37) Pre-treatment effects of walnut kernel (*Juglans regia*) on brain edema, neuronal death and neurological scores in male rat after traumatic brain injury.
Ansari JM, Eftekhar-Vaghefi SH, Shahrokhi N, Basiri M, Pour FM, Asadi-Shekaari M. Journal of Applied Pharmaceutical Science. 2016 Oct 29;6(10):102-6.
- 38) Protective effects of an interaction between vagus nerve and melatonin on gastric ischemia/reperfusion: The role of oxidative stress.
Shahrokhi N, Khaksari M, Nourizad S, Shahrokhi N, Soltani Z, Gholamhosseini A. Iran J Basic Med Sci. 2016 Jan;19(1):72-9.
- 39) Aqueous date fruit efficiency as preventing traumatic brain deterioration and improving pathological parameters after traumatic brain injury in male rats.
Badeli H, Shahrokhi N, KhoshNazar M, Asadi-Shekaari M, Shabani M, Eftekhar Vaghefi H, Khaksari M, Basiri M. Cell J. 2016 Fall;18(3):416-24. doi: 10.22074/cellj.2016.4570.
- 40) Is genistein neuroprotective in traumatic brain injury?

Soltani Z, Khaksari M, Jafari E, Iranpour M, Shahrokhi N. Physiol Behav. 2015 Dec 1;152(Pt A):2631. doi: 10.1016/j.physbeh.2015.08.037.

- 41) The effects of estrogen receptors' antagonist on brain edema, intracranial pressure and neurological outcomes after traumatic brain injury in rat.
Dehghan F, Khaksari M, Abbasloo E, Shahrokhi N. Iran Biomed J. 2015;19(3):165-71. doi: 10.7508/ibj.2015.03.006.
- 42) Ulcer healing activity of Mumijo aqueous extract against acetic acid induced gastric ulcer in rats.
Shahrokhi N, Keshavarzi Z, Khaksari M. J Pharm Bioallied Sci. 2015 Jan-Mar;7(1):56-9. doi: 10.4103/0975-7406.148739.
- 43) Changes in the gene expression of estrogen receptors involved in the protective effect of estrogen in rat's trumatic brain injury.
Khaksari M, Hajializadeh Z, Shahrokhi N, Esmaeili-Mahani S. Brain Res. 2015 Aug 27;1618:1-8. doi: 10.1016/j.brainres.2015.05.017.
- 44) Melatonin treatment reduces astrogliosis and apoptosis in rats with traumatic brain injury.
Babaei A, Eftekhar-Vaghefi SH, Asadi-Shekaari M, Shahrokhi N, Soltani SD, Malekpour-Afshar R, Basiri M. Iran J Basic Med Sci. 2015 Sep;18(9):867-72.
- 45) Cardioprotective effect of mumie (shilajit) on experimentally induced myocardial injury. Joukar S, Najafipour H, Dabiri S, Sheibani M, Sharokhi N. Cardiovasc Toxicol. 2014 Sep;14(3):21421. doi: 10.1007/s12012-014-9245-3.
- 46) The effects of cyclooxygenase inhibitors on the gastric emptying and small intestine transit in the male rats following traumatic brain injury.
Keshavarzi Z, Khaksari M, Shahrokhi N Iran J Basic Med Sci. 2014 Jun;17(6):406-10.
- 47) Contribution of estrogen receptors alpha and beta in the brain response to traumatic brain injury.
Asl SZ, Khaksari M, Khachki AS, Shahrokhi N, Nourizade S. Journal of neurosurgery. 2013 Aug 1;119(2):353-61.
- 48) The effects of Shilajit on brain edema, intracranial pressure and neurologic outcomes following the traumatic brain injury in rat.
Khaksari M, Mahmmodi R, Shahrokhi N, Shabani M, Joukar S, Aqapour M. Iranian journal of basic medical sciences. 2013 Jul;16(7):858.
- 49) Pulmonary complications of gastric fluid and bile salts aspiration, an experimental study in rat.

Fekri MS, Poursalehi HR, Najafipour H, Dabiri S, Shokoohi M, Khacheiki AS, Shahrokhi N, Afshar RM, Lashkarizadeh MR. Iranian Journal of Basic Medical Sciences. 2013 Jun;16(6):790-6.

- 50) Effect of melatonin on intracranial pressure and brain edema following traumatic brain injury: Role of oxidative stresses.
Dehghan F, Hadad MK, Asadikram G, Najafipour H, Shahrokhi N. Archives of medical research. 2013 May 1;44(4):251-8.
- 51) Time-and dose-dependent neuroprotective effects of sex steroid hormones on inflammatory cytokines after a traumatic brain injury.
Sarkaki AR, Haddad MK, Soltani Z, Shahrokhi N, Mahmoodi M. Journal of Neurotrauma, 2013; 30(1): 47-54.
- 52) Profound destructive effects of adolescent exposure to Vincristine accompanied with some sex differences in motor and memory performance.
Shabani M, Larizadeh MH, Parsania S, Shekaari MA, Shahrokhi N. Canadian Journal of Physiology and Pharmacology, 2012; 90(4): 379-386.
- 53) Neuroprotective antioxidant effect of sex steroid hormones in traumatic brain injury.
Shahrokhi N, Haddad MK, Joukar S, Shabani M, Keshavarzi Z, Shahozehi B. Pak J Pharm Sci. 2012 Jan 1;25(1):219-25.
- 54) Effects of different phases of estrous cycle on brain edema and neurological outcomes after severe traumatic brain injury in female rats.
Khachaki AS, Haddad MK, Shahrokhi NA, Sepehri G. Koomesh. 2011;13(1).
- 55) The role of estrogen and progesterone, administered alone and in combination, in modulating cytokine concentration following traumatic brain injury.
Khaksari M, Soltani Z, Shahrokhi N, Moshtaghi G, Asadikaram G. Canadian Journal of Physiology and Pharmacology. 2011; 89(1): 31-40.
- 56) The effect of saffron consumption on biochemical and histopathological heart indices of rats with myocardial infarction.
Joukar S, Najafipour H, Khaksari M, Sepehri G, Shahrokhi N, Dabiri S, Gholamhoseinian A, Hasanzadeh S. Cardiovascular Toxicology. 2010; 10(1): 66-71.
- 57) Effect of sex steroid hormones on brain edema, intracranial pressure, and neurologic outcomes after traumatic brain injury.
Shahrokhi N, Khaksari M, Soltani Z, Mahmoodi M, Nakhaee N.

Canadian Journal of Physiology and Pharmacology. 2010; 88(4): 414-421.

- 58) Effect of combined administration of estrogen and progesterone on brain edema and neurological outcome after traumatic brain injury in female rats.

Soltani Z, Khaksari M, Shahrokhi N, Nakhaei N, Shaibani V.

Iranian Journal of Endocrinology and Metabolism. 2009; 10(6): 639-646.

- 59) The effect of sex steroid hormones on brain edema and intracranial pressure after experimental traumatic brain injury in rats.

Shahrokhi N, Khaksari M, Soltani Z, Mahmudi, M, Nemati, A. Koomesh, 2008, 9(4).

- 60) Evolution of TLR4 role in mediating the hepatoprotective effects of estradiol after traumatic brain injury in male rats
114044, 2020)

S Amiresmaili, M Khaksari, N Shahrokhi, M Abolhassani

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- 71)Corrigendum to " Evolution of TLR4 role in mediating the hepatoprotective effects of estradiol after traumatic brain rats"[Biochem. Pharmacol. 178 (2020) 114044].

S Amiresmaili, M Khaksari, N Shahrokhi, M Abolhassani

Biochemical Pharmacology 220, 115987-115987

- 62)Effects of different phases of estrous cycle on brain edema and neurological outcomes after severe traumatic brain rats

M KhakSariHadad

Koomesh 13 (1), 62-72

- 63)High prevalence of antibiotic resistance and biofilm formation in Salmonella Gallinarum

RK Farahani, M Ebrahimi-Rad, N Shahrokhi, AHK Farahani, SA Ghafouri, ...

Iranian Journal of Microbiology 15 (5), 631

- 64)Targeting and Inhibiting Plasmodium berghei Growth in Balb/c Mice Using Kojic Acid-Solid Lipid Nanoparticles and Nanostructured Lipid Carriers

A Faryabi, A Motevalli Haghi, K Khezri, B Rahimi-Esboei, ...

Herbal Medicines Journal

- 65)Comparing the Effects of Sulfasalazine and Shilajit on Liver Damage Caused by Acetic Acid-Induced Ulcerative Colitis

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