



In the name of God

CURRICULUM VITAE (Last updated October, 2025)

**Mohammad Khaksari Haddad Bsc, Msc, PhD**

### **1- Personality:**

Born: 23/9/1959/ BAM Citizenship:

Iranian

Married with three children

### **2- Academic training**

Bsc in Biology, Kerman University, kerman, Iran, 1984.

Msc in human Physiology, Tarbiat Modarres University, Tehran, Iran, 1989.

Ph.D in human Physiology, Tarbiat Modarres University, Tehran, Iran, 1996. Fellowship in Medical Education, 2015.

**3- University employment:** professor of physiology, Kerman University of Medical Sciences and health services and Physiology Research Center, Kerman, Iran.

Head of vice chancellor office at Kerman University of Medical Sciences and health services from 2020 to 2025

### **4- Membership of societies:**

Member of American Physiological Society since 2002.

Ordinary member of Iranian Physiology and Pharmacology since 1992.

### **5- Research itemes:**

1- The effect of fish oil on wound healing in diabetes

- 2- The effect of ca channel blocker on acute and chronic inflammation
- 3- The effect of calmodulin antagonists on acute and chronic inflammation
- 4- The effect of addiction on control of glucose in diabetes mellitus.
- 5- The role of calcium channel blocker on brain edema.
- 6- The role of sex hormones on brain edema
- 7- Dietary regimens and acute kidney injury

## 6- Publications:

1. Bejeshk MA, Rajizadeh MA, **Khaksari M**, Bagheri F, Chahkandi M, Amirkhosravi L, Amiresmaili S. Modulation of TLR4-Mediated Inflammatory Pathways and Oxidative Stress by Cerium Oxide Nanoparticles in Traumatic Brain Injury. *Brain Research Bulletin*. 2025 Oct 3:111567.
2. Sadeghi S, Soltani Z, Rajizadeh MA, Jafari E, **Khaksari M**, Shamsi-Meymandi M, Khoramipour K. The effects of progesterone administration and pre-training on learning & memory, anxiety-like behaviors, and balance impairments following traumatic brain injury in male rats: The role of neuroinflammation. *Physiology & Behavior*. 2025 Jun 16:115002.
3. Alifarsangi A, **Khaksari M**, Rajizadeh MA, Zadeh NA, Rafie F. Exercise-induced exerkines in Multiple Sclerosis: emphasizing the pivotal role of myokines. *Brain Research Bulletin*. 2025 Oct 1:111565.
4. Sadeghi Tayebbeh, HOSSEINI SEYED EBRAHIM, EDALATMANESH MOHAMMAD AMIN, **Khaksari Mohamad**. Protective and Therapeutic Effect of Leech Saliva on Spermatogenesis Parameters and Secretion of LH, FSH and Testosterone Following Busulfan Administration in Male Wistar Rats. *JOURNAL OF ANIMAL BIOLOGY*[Internet]. 2021;13(2):61-73.
5. صادقی, حسینی, عدالت منش, محمد امین, **خاکساری**. بررسی اثر محافظتی و درمانی بزاق زالو بر پارامترهای و تستوسترون به دنبال تجویز بوسولفان در موش‌های صحرایی نر نژاد LH, FSH, اسپریماتوزنز و ترشح هورمون‌های فصلنامه زیست شناسی جانوری. ۲۰۲۱. Feb 19;13(2):61-73. وبسایت.
6. **Hadad MK**, Dehghani MR, Okhovati M, Shafian S. Retention of physiology knowledge among medical students in basic science: a cross-sectional study. *BMC Medical Education*. 2025 Jul 1;25(1):965.
7. Ghanbari-Gohari F, **Khaksari M**, Naghibzadeh-Tahami A, Amirkhosravi L. Impact of phytosterol supplementation on metabolic syndrome factors: a systematic review of randomized controlled trials. *Diabetology & Metabolic Syndrome*. 2025 Aug 18;17(1):335.
8. Amirkhosravi L, **Khaksari M**, Rajizadeh MA, Akhgarandouz F, Hadadi M, Jafarinejad-Farsangi S. Combination Therapy of Estrogen and Progesterone Attenuates Behavioral Impairments and Autophagy via circLrp1b/miR-27a-3p/Dram2 Pathway After Traumatic Brain Injury. *Molecular Neurobiology*. 2025 May 29:1-7.
9. Khoramipour K, Rajizadeh MA, **Khaksari M**, Aminzadeh M, Crespo-Escobar P, Santos-Lozano A, Arjmand M. Effects of high-intensity interval training on metabolic impairments in liver tissue

of rats with type 2 diabetes: a metabolomics-based approach. *Journal of Physiology and Biochemistry*. 2025 May 16:1-4.

10. KARAMI-MOHAJERI SO, SOLTANI M, OGHABIAN Z, **HADAD MK**. THE ROLE OF METALLURGY IN THE HOLY QUR'AN: HISTORICAL CONTEXTS AND CONTEMPORARY SCIENTIFIC PERSPECTIVES. *Hamdard Islamicus*. 2025 Mar 30;48(1):99-116.
11. **Khaksari Haddad M**, Alizadeh I, Faraji M. The Relationship between Spiritual Health and the Environmental Behavior of Students. *Journal of Spiritual Health*. 2025 Mar 15;3(4):550-61.
12. Mohammadzadeh Z, **Khaksari M**, Nematollahi MH, Kheirandish R, Moslemizadeh A, Delshad S, Faramarz S, Tezerji SS, Torkashvand M, Shahba S, Bashiri H. Therapeutic efficacy to dose-dependent toxicity of Cabazitaxel in C6-induced glioblastoma model of rats. *Toxicology Research*. 2025 Apr;14(2):tfaf048.
13. Eslami M, Raji-Amirhasani A, **Khaksari M**, Keshavarzi Z, Rostamzadeh F, Sabet N, Jafari E, Soltani Z, Karamouzian S. The changes of digestive system inflammatory, oxidative stress, and histopathology factors following oral mesenchymal stem cells administration in rats with traumatic brain injury. *BMC neuroscience*. 2025 Mar 6;26(1):20.
14. Rafie F, Amiresmaili S, Rajizadeh MA, Pourranjbar M, Jafari E, **Khaksari M**, Shirazpour S, Moradnejad O, Nekouei AH. Optimal Timing of Exercise for Enhanced Learning and Memory: Insights From CA1 and CA3 Regions in Traumatic Brain Injury Model in Male Rats. *Brain and Behavior*. 2025 Mar;15(3):e70354.
15. Shirazpour S, **Khaksari M**, Gaeini AA, Bashiri H, Khoramipour K, Rafie F. Can resisted swimming exercise substitute for the protective effects of estrogen on cardiometabolic risk factors in obese postmenopausal rat model?. *Iranian Journal of Basic Medical Sciences*. 2025 Feb 19.
16. Momeni-Moghaddam MA, Asadikaram G, Masoumi M, Arababadi MK, Sadeghi E, **Khaksari M**, Akbari H. Potential Effects of Opium on Pro-Inflammatory Cytokines in Coronary Artery Disease by Interfering with Anti-inflammatory Drugs. *Curr Mol Med*. 2025 Mar 10.
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18. Alifarsangi A, **Khaksari M**, Seifaddini R. Effect of Exercise, MitoQ, and Their Combination on Inflammatory and Gene Expression in Women with Multiple Sclerosis. *Iranian Journal of Allergy, Asthma and Immunology*. 2024 Dec 29;23(6):676-87.
19. Bejeshk, M.A., Najafipour, H., **Khaksari, M.** et al. Myrtenol-loaded niosomes can prevent lung ischemia-reperfusion injury model in rats by balancing the Nrf2/Keap1 and NF- $\kappa$ B signaling pathways. *Naunyn-Schmiedeberg's Arch Pharmacol* (2025).
20. Khazaneha M, Bakhshinejad B, Mehrabani M, Sabahi A, **Khaksari M**, Shafiee M, Nakhaie M, Rukerd MR, Jafarzadeh A, Mehrbani M. Machine learning in obsessive-compulsive disorder medications. *Heliyon*. 2024 Nov 5.
21. Vaghefi SS, Mousavi F, **Khaksari M**, Asadikaram G, Soltani Z. Sex-related changes in circadian rhythm of inflammatory and oxidative stress markers in CKD. *Iranian Journal of Kidney Diseases*. 2021 Sep 1;15(5):351.
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23. Tirgar A, Rezaei M, Ehsani M, Salmani Z, Rastegari A, Jafari E, Khandani BK, Nakhaee N, **Khaksari M**, Moazed V. Exploring the synergistic effects of vitamin D and synbiotics on

cytokines profile, and treatment response in breast cancer: a pilot randomized clinical trial. *Scientific Reports*. 2024 Sep 12;14(1):21372.

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34. Rahimi Naiini M, Shahouzehi B, **Khaksari M**, Azizi S, Naghibi N, Nazari-Robati M. Ellagic acid reduces hepatic lipid contents through regulation of SIRT1 and AMPK in old rats. *Archives of Physiology and Biochemistry*. 2023:1-8.
35. Bejeshk MA, Aminizadeh AH, Rajizadeh MA, Rostamabadi F, Bagheri F, **Khaksari M**, Azimi M. Ameliorating effects of *Acacia arabica* and *Ocimum basilicum* on acetic acid-induced ulcerative colitis model through mitigation of inflammation and oxidative stress. *Heliyon*. 2023 Nov 1;9(11).
36. Alizadeh E, Sabet N, Soltani Z, **Khaksari M**, Jafari E, Karamouzian S. The administration of oral mucosal mesenchymal-derived stem cells improves hepatic inflammation, oxidative stress, and histopathology following traumatic brain injury. *Transplant Immunology*. 2023 Dec 1;81:101950.

37. Hajializadeh Z, Khaksari M. Cardioprotective effects of calorie restriction against inflammation and apoptosis in ovariectomized obese rats: Role of classical estrogen receptors and SIRT1. *Obesity Research & Clinical Practice*. 2023 Nov 1;17(6):492-8.
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46. Rafie F, **Khaksari M**, Amiresmaili S, Soltani Z, Pourranjbar M, Shirazpour S, et al. Protective Effects of Early Exercise on Neuroinflammation, and Neurotoxicity Associated by Traumatic Brain Injury: a behavioral and neurochemical approach. *International Journal of Neuroscience*. 2022(just-accepted):1-21.
47. Maryam Radavi-Asgar, Nazanin Sabet, **Mohammad Khaksari**, Elham Jafari, Zahra Soltani, Fatemeh Dehghanian, "The Prescription of Oral Mucosal Mesenchymal Stem Cells post-Traumatic Brain Injury Improved the Kidney and Heart Inflammation and Oxidative Stress", *BioMed Research International*, vol. 2022, Article ID 8235961, 12 pages, 2022.
48. Ghoreishi Z-A-S, Abbasi-jorjandi M, Asadikaram G, Sharif-zak M, Seyedi F, **Khaksari Haddad M**, et al. Paraoxonase 1 rs662 polymorphism, its related variables, and COVID-19 intensity:

Considering gender and post-COVID complications. *Experimental Biology and Medicine*. 2022;15353702221128563.

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73. Ahmad Alinaghi Langari, Akram Nezhadi, Halimeh Kameshki, Sobhan Mohammadi Jorjafki, Yasamin Mirhosseini, **Mohammad Khaksari**, Manzume Shamsi Meymandi, Masoumeh Nozari. The protective effect of prenatally administered vitamin E on behavioral alterations in an animal model of autism induced by valproic acid. Ahmad Alinaghi Langari, Akram Nezhadi, Halimeh Kameshki, Sobhan Mohammadi Jorjafki, Yasamin Mirhosseini, Mohammad Khaksari, Manzume Shamsi Meymandi, Masoumeh Nozari. *Toxin Reviews*
74. Faegheh Bahri, **Mohammad Khaksari**, Sajjاده Movahedinia, Bentolhoda Shafiei, Mohammad Amin Rajizadeh, Mahdieh Nazari-Robati. Improving SIRT1 by trehalose supplementation reduces oxidative stress, inflammation, and histopathological scores in the kidney of aged rats. *Journal of Food Biochemistry*
75. Zahra Hajjalizadeh, **Mohammad Khaksari**. The protective effects of 17- $\beta$  estradiol and SIRT1 against cardiac hypertrophy: a review. *Heart Failure Reviews*
76. Shahrzad Sadat Eftekhari Vaghefi, Fatemeh Mousavi, **Mohammad Khaksari**, Gholamreza Asadikaram, Zahra Soltani. Sex-related changes in circadian rhythm of inflammatory and oxidative stress markers in CKD. *Iranian Society of Nephrology*
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80. Alireza Raji-Amirhasani, **Mohammad Khaksari**, Fatemeh Darvishzadeh Mahani, Zahra Hajjalizadeh. Activators of SIRT1 in the kidney and protective effects of SIRT1 during acute kidney injury (AKI)(effect of SIRT1 activators on acute kidney injury) Authors. *Clinical and Experimental Nephrology*
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85. Ladan Amirkhosravi, **Mohammad Khaksari**, Vahid Sheibani, Nader Shahrokhi, Mohammad Navid Ebrahimi, Sedigheh Amiresmaili, Neda Salmani. Improved spatial memory, neurobehavioral outcomes, and neuroprotective effect after progesterone administration in ovariectomized rats with traumatic brain injury: Role of RU486 progesterone receptor antagonist. *Mashhad University of Medical Sciences*
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