



Curriculum Vitae  
Assistant Professor of Pharmacology

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**Education:**

➤ **Ph.D. (2014-2020)**

Department of Pharmacology, Faculty of Medicine, Iran University of Medical  
Sciences, Tehran, Iran.

➤ **Pharm D. (2008-2014)**

Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

➤ **Diploma (2004-2008); (in Experimental Science)**

**Ph. D. Thesis:**

- The Role of dorsal hippocampal and prefrontal cortical NMDA receptors and the expression changes of CaMKII and CREB in the signalling pathway in the interactive effects of olanzapine and lithium in memory formation in male rats

#### ***Pharm. D. Thesis:***

- Mathematical modeling of niosome preparation

#### ***Teaching Experiences***

1. Pharmacy Practice, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran, 2021 –present
2. Pharmacology, Pharm. D. program, Faculty of Pharmacy, Kerman University of Medical sciences, Kerman, Iran, 2020 –present
3. Advanced pharmacology for toxicology and pharmacology PhD students, Kerman University of Medical sciences, Kerman, Iran, 2022 –present
4. Pharmacology for toxicology M.Sc. students, Kerman University of Medical sciences, Kerman, Iran, 2020 –present
5. Courses of practical pharmacology for MD and Ph.D. students, Faculty of Medicine, Iran University of Medical sciences, Tehran, Iran, 2018-2020

#### ***Articles: (sort: new)***

1. Amiri S, Nikvarz N, Sabouri S. Drug-induced Tongue Disorders: A Comprehensive Literature Review. Current Drug Safety. 2024 May 23.
2. Hosseinzadeh A, Pourhanifeh MH, Amiri S, Sheibani M, Irilouzadian R, Reiter RJ, Mehrzadi S. Therapeutic potential of melatonin in targeting molecular pathways of organ fibrosis. Pharmacological Reports. 2024 Feb;76(1):25-50.
3. Bazrafshani MS, Pardakhty A, Kalantari Khandani B, Tajadini H, Ghazanfari Pour S, Hashemi S, Amiri S, Mehmandoost S, Beigzadeh A, Abbaszadeh S, Sharifi H. The prevalence and predictors of herb-drug interactions among Iranian cancer patients during chemotherapy courses. BMC Complementary Medicine and Therapies. 2023
4. Jafari-Sabet M, Amiri S, Sheibani M, Fatahi N, Aghamiri H. Cross state-dependent memory retrieval between tramadol and ethanol: involvement of dorsal hippocampal GABAA receptors. Psychopharmacology. 2023
5. Amiri Z, Azmin M, Amiri S, Akbarisari A, Sahraian MA, Farzadfar F, Soleymani F. Prevalence of comorbidities in patients with multiple sclerosis using administrative data from 2007 to 2016 in Iran. Multiple Sclerosis and Related Disorders. 2023
6. Hosseinzadeh A, Changizi-Ashtiyani S, Koosha F, Amiri S, Karimi-Behnagh A, Mehrzadi S. Melatonin: therapeutic potential for stroke and other neurodegenerative

diseases. Melatonin Research. 2023

7. Jafari-Sabet M, Amiri S, Emami S, Aghamiri H, Fatahi N, Keyhanfar F. Dorsal hippocampal CA1 NMDA receptors mediate the interactive effects of quetiapine and lithium on memory retention in male rats. Iranian Journal of Basic Medical Sciences. 2023
8. Ilaghi M, Soltanizadeh A, Amiri S, Kohlmeier KA, Shabani M. The apelin/APJ signaling system and cytoprotection: Role of its cross-talk with kappa opioid receptor. European Journal of Pharmacology. 2022
9. Hosseinzadeh A, Bagherifard A, Koosha F, Amiri S, Karimi-Behnagh A, Reiter RJ, Mehrzadi S. Melatonin effect on platelets and coagulation: Implications for a prophylactic indication in COVID-19. Life Sciences. 2022
10. Jafari-Sabet M, Amiri S, Aghamiri H, Fatahi N. Cross state-dependent memory retrieval between cannabinoid CB1 and serotonergic 5-HT1A receptor agonists in the mouse dorsal hippocampus. Neurobiology of Learning and Memory. 2022
11. Saleki K, Banazadeh M, Abadi B, Pirmoradi Z, Esmaili Z, Amiri S, Pourahmad R, Kohlmeier KA, Shabani M. Astrocytic Abnormalities in Schizophrenia. In: Neurophysiology-Networks, Plasticity, Pathophysiology, and Behavior 2022
12. Amiri S, Jafari-Sabet M, Hoormand M. The role of curcumin in ameliorating learning and memory disorders. Razi Journal of Medical Sciences. 2021
13. Amiri S, Jafari-Sabet M, Keyhanfar F, Falak R, Shabani M, Rezayof A. Hippocampal and prefrontal cortical NMDA receptors mediate the interactive effects of olanzapine and lithium in memory retention in rats: the involvement of CAMKII-CREB signaling pathways. Psychopharmacology. 2020
14. Jafari-Sabet M, Amiri S, Ataee R. Cross state-dependency of learning between tramadol and MK-801 in the mouse dorsal hippocampus: involvement of nitric oxide (NO) signaling pathway. Psychopharmacology. 2018
15. Goudarzi M, Amiri S, Nesari A, Hosseinzadeh A, Mansouri E, Mehrzadi S. The possible neuroprotective effect of ellagic acid on sodium arsenate-induced neurotoxicity in rats. Life sciences. 2018
16. Doghe MA, Amiri S, Pour MK, Gholami S. Simultaneous spectrophotometric determination of amlodipine and atorvastatin in commercial tablet by H-point standard addition method. Research in Pharmaceutical Sciences. 2012
17. Sharififar F, Khazaeli P, Alli N, Talebian E, Zarehshahi R, Amiri S. Study of antinociceptive and anti-inflammatory activities of certain Iranian medicinal plants. Journal of Complementary Medicine Research. 2012

#### ***Theses Consulted or Supervised:***

1. The effect of melatonin on lithium-induced neurotoxicity in male rats (Supervisor, Pharm. D thesis)
2. The effect of resveratrol on lithium-induced neurotoxicity in an animal model (Supervisor, Pharm. D thesis)
3. Investigation of effects of the combination of melatonin and carvedilol on cardiac

function and oxidative stress indices in the heart of Wistar male rats with doxorubicin-induced cardiomyopathy. (Supervisor, Pharm. D thesis)

4. Preparation and evaluation of physicochemical properties of atorvastatin niosome and its effect on altering IL-1 $\beta$  and TNF- $\alpha$  levels in LPS exposure in RAW264.7 cells (Supervisor, Pharm. D thesis)
5. Evaluation of the role of L-arginine/NOS/NO and opioid pathways in analgesic effect of trigonelline and analgesic fraction isolated from fenugreek seed extract (*Trigonella foenum-graecum*) by column chromatography in animal model (Supervisor, Pharm. D thesis)
6. Evaluation of the effect of melatonin on bleomycin-induced pulmonary fibrosis in an animal model (Supervisor, Pharm. D thesis)
7. Investigating the effect of baricitinib on memory function changes in Alzheimer's rat model with beta amyloid (Supervisor, Pharm. D thesis)
8. Evaluation of the anti-inflammatory effect of the different separated components of polar fraction of methanolic extract (*Trigonella foenum-graecum*) in animal model (Supervisor, Pharm. D thesis)
9. Separation of different parts of a polar fraction of methanolic extract of fenugreek (*Trigonella foenum-graecum* L) seeds by chromatographic methods (Advisor, Pharm. D thesis)
10. The effect of *Juglans regia* L. leaves extract on oxidative stress caused by arsenic in the brain of male rats (Advisor, Pharm. D thesis)
11. Synthesis and investigation of anti-inflammatory effects of some Schiff base derivatives bearing 4H-1, 2, 4-triazole-3-thiol skeleton, as multiple cyclooxygenase 1 inhibitors. COX-1), cyclooxygenase 2 (COX-2) and inducible nitric oxide synthase (iNOS) by *in silico* and *in vitro* methods (Advisor, M.Sc. thesis)

#### **Attendance in Congress:**

1. 13th Iranian Pharmaceutical Sciences Congress, Isfahan, Sep3-6, 2012
2. 12th Annual Congress of Iranian Medical Student Research (National and International), Isfahan, Sep6-9, 2011
3. 15th Seminar of Iranian Pharmacy Students, Kerman, Oct13-15, 2010
4. 2nd Seminar of Central Student Research Committee, Rafsanjan, Dec1-3, 2010
5. 4th Internal Seminar of Kerman Student Research Committee, Kerman, Apr 30-31, 2009

#### **Skills:**

##### **➤ Software Skills**

- ▪ MS. Office (Word, Excel, PowerPoint, Publisher)
- SPSS & prism software
- Endnote and Mendeley software

- Image J and Evolution capt software
- Jqtl, WEKA, Clementine, Design Expert and GIS software

➤ **Technical Skill**

- Animal behavioral tests
- Stereotaxic surgery
- Cell Culture
- Spectrophotometry
- Real time and conventional PCR, primer design
- Agarose Gel Electrophoresis and Western blot

***Research Interests:***

- Neuropharmacology
- Addiction
- Alzheimer's disease
- Inflammation