

CURRICULUM VITAE 2022

First name: Azadeh **Last name:** Mesripour **Birthday :** 16/02/1974, Female

Address: Department of Pharmacology and Toxicology, School of pharmacy and pharmaceutical sciences, Isfahan University of Medical sciences, Isfahan, Iran

EDUCATION QUALIFICATIONS:

- Ph.D Pharmacology achieved at the year 2009; from Isfahan University of Medical Science, Iran.
Thesis title: "The effects of glucocorticoid inhibitors on morphine withdrawal induced memory-deficit in mice". Dissertation was conducted in consultation with Prof. Mohammed Rabbani and Prof. Valiollah Hajhashemi
- Scholarship Awarded researcher at the year 2008, at School of Biomedical Science, The University of Queensland, Australia.
Research project which conducted in consultation with Prof. Lindsay Brown entitled: The effect of morphine dependence on cardiovascular function in rats.
- Pharmacy Dr. achieved at the year 2000; from Isfahan University of Medical Science, Iran.
Pharm.D. Thesis on "Changes of Glucose-6-Phosphate Dehydrogenase Activity in the Brain Regions of the Rat Experimental Hypo- and Hyperthyroidism". Dissertation was conducted in consultation with Prof. Bahram Haghighi and Prof Manoochehr Messripour.

POSITIONS HELD:

Oct 2018- current, Associate professor School of pharmacy and pharmaceutical sciences, Isfahan University of Medical sciences (MUI), Iran.

2018- current, Member of Iranian Pharmacy Society, Iran

2014-current, Member of Iranian Society of Physiology and Pharmacology, Iran

Sep 2014- Oct 2018, Member of Basic Science Research Board, MUI, Iran.

Sep 2014- Oct 2018, Assistant professor School of Pharmacy and Pharmaceutical sciences, MUI, Iran.

2011- Sep 2014, Member of Research Board, Shahrekord University of Medical Science, Iran.

2011- Sep 2014, Member of Medical Plant Research Center, Shahrekord University of Medical Science, Iran.

2010- Sep 2014, Academic member and researcher; Assistant professor at Shahrekord University of Medical Science, Iran.

2003-2009; Ph.D. Student of pharmacology and teaching assistant, School of Pharmacy and Pharmaceutical science, MUI, Iran.

RESEARCH EXPERIENCE:

1. *Animal study (Isfahan University of medical sciences)*

- Dissection of different parts of rat brain.
- Animal models of Depression, Tail suspension test and force swim test.
- Anxiety evaluation in mice by the elevated plus maze.
- Inducing morphine addiction and withdrawal assessments in mice.
- Pain and inflammation assessments in mice.
- Memory evaluation in mice by using the Object Recognition Task.

2. *Animal study (School of Biomedical Sciences, The University of Queensland)*

- Isolated heart preparation (Langendorff).
- Isolated thoracic aortic rings (Organ baths).
- Measuring the systolic blood pressure in rat (Tail-cuff).

3. *Analytical:*

ELISA, Confocal microscope imaging.

Various Word-processing, statistical (Sigma-stat, Prizm) and graphing programs (Sigma-plot, prizm, chart, Excel).

TEACHING EXPERIENCE

My lecturing has started consecutively since 2010, in 2 semester per year basis minimum of 7 h of lecturing per week (16 weeks long). Courses included as follow with different arrangements in different semesters:

- Undergraduates Basic and clinical Pharmacology at the aim of Medical and Pharm.D students, Basic and specific pharmacology for midwives, Basic and clinical Pharmacology for nursery students.
- Postgraduate: Psychopharmacology for the students of Master psychiatric nursing, Basic and specific Pharmacology for Ph.D students.

Each course presented a wonderful opportunity to learn and to grow as a teacher. I wish for new opportunities, environment and collaborations in order to thrive and to share my new experiments to my students.

PUBLICATIONS LIST:

Original articles

1. O Hajhashemi, **A Mesripour**, V Hajhashemi. Vanillic acid prevents interferon-alpha and cyclosporine A-induced depressant-like behavior in mice. *Journal of Reports in Pharmaceutical Science*. 2022;11:59-64
2. M Aliomrania, **A Mesripour**, A Saleki. Creatine and alpha-lipoic acid antidepressant-like effect following cyclosporine A administration. *Turkish Journal of Pharmaceutical Science*. 2022;19(2):196-201.
3. Mesripour A, Golchin S. Vitamin B6 Antidepressant Effects Are Comparable to Common Antidepressant Drugs in Bacillus-Calmette-Guerin Induced Depression Model in Mice. *Iran Journal Psychiatry*. 2022;17(2):208-216.
4. M Aliomrania, **A Mesripour**, Daneshseta T. Involvement of mice hippocampus brain-derived neurotrophic factor in diazinon-induced depressive behavior in mice. *Iranian Journal of Toxicology*. 2022; 16(2):125-134.
5. S Teymouri, S Shahnamnia, **A Mesripour**, J Varshosaz. In vitro and in vivo evaluation of an ionic sensitive in situ gel containing nanotransfersomes for aripiprazole nasal delivery. *Pharmaceutical Development and Technology*. 2021:1-35. doi.org/10.1080/10837450.2021.1948571
6. M Aliomrania, **A Mesripour***, Z Sayahpour. M-AChR is partly responsible in mice depressive-like behavior after Phosalone exposure. *Neurotoxicology and Teratology*. 2021; 84: 106957. <https://doi.org/10.1016/j.ntt.2021.106957>
7. **A Mesripour***, K musavie, V Hajhashemi. Creatine and α -lipoic acid improved dexamethasone induced depressive-like behavior in mice forced swimming test. *Hacettepe University J Faculty of Pharmacy* July 2021; 41(2): 65-73.
8. **A Mesripour***, F Payandekhah. The noradrenergic system is partly involved in resveratrol anti-depressant and anti-obsessive like effects in mice model. *Research Journal Pharmacognosy*. 2021; 8(3): 67-75. doi: 10.22127/rjp.2021.277101.1686
9. **A Mesripour***, Z Karimi, M Minaiyan. Creatine and α -lipoic acid improved depressive behavior induced by interferon- α in mice: MDA level remained unchanged. *Journal of Reports in Pharmaceutical Sciences*. 2021;10:124-9.
10. **A Mesripour***, P Rakhshankhah. A synbiotic mixture ameliorated depressive behavior induced by dexamethasone or water avoidance stress in mice model. *Turkish Journal of Pharmaceutical Science*. 2021;18(1):21-27

11. A Yekdane, **A Mesripour***, M Keyvani. Sulfoquinovosyl oleoyl palmitoyl glycerol (SQDG) and hexane extract of *Sargassum plagyophyllum* prevents depression induced by dexamethasone or stress in mice. *Journal of Herbmmed Pharmacology*. 2021;10(2):262-268. doi: 10.34172/jhp.2021.30.
12. **A Mesripour***, M Almasi. Flaxseed prevents interferon-alpha induced depressive behavior in mice: the α -linolenic acid is essential. *Research Journal Pharmacognosy*. 2021; 8 (1): 63-71
13. **A Mesripour***, M Golbidi, V Hajhashemi. Dextromethorphan improved cyclosporine-induced depression in mice model of despair. *Research Journal Pharmaceutical Sciences* 2020; 15(5): 447-453
14. Messripour M, **Mesripour A**. A fluorescence enhancement assay for measurement of glutamate decarboxylase activity. *Open Journal of Analytical and Bioanalytical Chemistry* 2020; 4(1): 007-010.
15. **A Mesripour***, A Meshkati, V Hajhashemi. A synbiotic mixture augmented the efficacy of doxepin, venlafaxine, and fluvoxamine in mice model of depression. *Turkish Journal of pharmaceutical science*. 2020;17(2):293-298
16. **A Mesripour***, M Kaviyanpour, V Hajhashemi. Antidepressant-like effect of minocycline in mice forced swimming test: minor involvement of the noradrenergic system. *Thai Journal of Pharmaceutical Sciences*. Sep30 2019; 43(3): 125-130
17. **A Mesripour***, S Sajadiyan, V Hajhashemi. Antidepressant-like effect of vitamin B6 in mice forced swimming test and the possible involvement of the noradrenergic system. *Journal of reports in pharmaceutical science*. July-December 2019, 8(2): 133-138
18. **A Mesripour***, S Shahnushi, V Hajhashemi. Celecoxib, ibuprofen, and indomethacin alleviate depression-like behavior induced by interferon-alfa in mice. *Journal of Complementary and Integrative Medicine*. Epub ahead of print Aug 2019; (17)1 doi: 10.1515/jcim-2019-0016.
19. **A Mesripour***, M.Kadivar, V Hajhashemi. Monosodium glutamate influences depressive behavior of two age groups of mice in forced swimming test: vitamin B6 could remedy the situation. *Personalized Medicine in Psychiatry*. July-August 2019; volumes15-16: 28-32
20. **A Mesripour***, F Alhimma, V Hajhashemi. The effect of vitamin B6 on dexamethasone-induced depression in mice model of despair. *Nutritional Neuroscience*. 2019;22(10): 744-749.
21. **A Mesripour**, . Rabiiean, A Yegdaneh *.The effect of different partitions of seaweed *Sargassum plagyophyllum* on depression behavior in mice model of despair. *Journal of Complementary and Integrative Medicine*. 2019; 20180207
22. M Messripour*, **A Mesripour**. Alteration of ADP-ribosylation in aging rat brain astrocytes. *BIOCELL* 2019; 43(1): 37-40

23. **A Mesripour***, A Purhasani, V Hajhashemi. N-methyl-D-aspartate receptor antagonists decrease interferon-alpha induced depressive behavior in mice model of despair. *Thai Journal of Pharmaceutical Sciences*. 2019; 43(1): 8-13.
24. **Mesripour***, V Hajhashemi, S Rezaie. Evaluating the effect of donepezil on depression and obsessive-compulsion disorder in mice models. *Thai Journal of Pharmaceutical Sciences*. 2018; 42(1):1-5.
25. M Messripour, M Gheisary, **A Mesripour**. Age Related Effects of Levodopa on Rat Brain Striatal Acetylcholinesterase. *Neurochemical Journal* 2018; 12(1) : 48–52
26. Y Azimi, **A Mesripour***, V Hajhashemi. Evaluating the effect of soybean diet on interferon- α induced depression in male mice by the forced swimming test. *Avicenna Journal of Phytomedicin*, 2017; 7(5): 436-443.
27. **A Mesripour***, V Hajhashemi, H Fakhr-hoseiny. Effect of scopolamine and mecamlamine on antidepressant effect of rivastigmine in a mice model of despair. *Journal of Reports in Pharmaceutical Sciences*, 2017; 6(1): 51-58.
28. **A Mesripour***, V Hajhashemi, A Kuchak. Effect of concomitant administration of three different antidepressants with vitamin B6 on depression and obsessive compulsive disorder in mice models. *Research in Pharmaceutical Science*, 2017; 12(1): 46-52.
29. **A Mesripour***, F Moghimi, M Rafieian Coopae. The effect of Cinnamomum zeylanicum bark water extract on memory performance in alloxan induced diabetic mice. *Research in Pharmaceutical Science*, 2016; 11(4): 318-323.
30. **A Mesripour***, M Rafieian-Kopaei, B Bahrami. The effects of Anethum graveolens essence on scopolamine-induced memory impairment in mice. *Research in Pharmaceutical Science* 2016; 11(2): 145-151
31. **A Mesripour***, Z Alibabaei, A Emadi, M R Hojjati. Evaluating the effect of foeniculum vulgar on scopolamin-induced memory impairment in male mice. *Journal of Isfahan Medical School* 2015; 33(326): 294-304.
32. M. Messripour, **A. Mesripour**. Effects of multivitamin B containing vitamins B6, vitamin B12 and folic acid on age- associated changes of rat brain glutamate metabolism. *Journal of Medical and Biological Sciences*. <http://bioscience.scientific-journal.com> (2015)
33. M. Messripour, **A. Mesripour**, F.J Mashayekhi. The effects of increasing PGE2 on translocation of labeled albumin into rat brain. *Research in Pharmaceutical Science* 2015; 10(2): 177-181

34. M. Messripour, A. Nazariyan **A. Mesripour**, I. Mohammadi. Nerve growth factor receptors in dementia. Turkish Journal of Medical Science 2015; 45: 1122-1126.
35. **A. Mesripour**, M. Messripour. Striatal Synaptosomal Dopamine and Serotonin Cross-talk Synthesis in Aging Rat. International Neuropsychiatric Disease Journal 2014; 2(4): 153-161.
36. M. Messripour, **A. Mesripour**. Long Term Effect of Ethanol on GABA-Benzodiazepine Receptors of Rat Brain Regions. International Journal of Pharmacy Teaching & Practices 2013; 4(3): 697- 700.
37. M. Messripour, **A. Mesripour**. Age related interaction of dopamine and serotonin synthesis in striatal synaptosomes. BIOCELL 2013; 37(2): 17-21.
38. **A. Mesripour***, M. Rafiean, R. Ansari. The effect of propranolol and metoprolol on memory performance during morphine withdraw in mice. Basic Research Journal of Pharmaceutical Science 2013; 1(1): 08-14 .
39. M. Hamidi, B. Zamanzad, **A. Mesripour***. Comparing the effect of clofibrate and Phenobarbital on the newborns with hyperbilirubinemia. EXCLI Journal 2013; 12:75-78
40. **A. Mesripour*** , A. Iyer, L. brown. Mineralocorticoid Receptors Mediate Cardiac Remodelling in Morphine-Dependent Rats. Basic and clinical pharmacology and toxicology 2012; 102: 377-381.
41. M. Messripour, **A. Mesripour**. Effects of Vitamin B6 on the Brain Glutamate Pyroovate Transaminase and Glutamate Oxaloacetate Transaminase in Young and Old Rats. American Journal of Medicine and Medical Sciences 2012; 2(1): 33-35
42. M. Messripour, **A. Mesripour**. Effects of vitamin B6 on age: associated changes of rat brain glutamate decarboxylase activity. African journal of pharmacy and pharmacology 2011; 5(3): 454-456.
43. M. Mesripour, **A. Mesripour**. Increased Levels of Truncated Nerve Growth Factor Receptors in Congestive Heart Failure. Research Journal of Medicine and Medical Sciences 2009; 4(2): 452-455.
44. M. Rabbani, **A. Mesripour**, V. Hajhashemi. Glucocorticoids are a cause for memory deficit induced by naloxone precipitated morphine withdrawal in mice. Fundamental and clinical pharmacology 2008; 22; 88.
45. M. Rabanni, V. Hajhashemi, **A. Mesripour**. Increase in brain corticosterone concentration following morphine withdrawal in mice is a cause for recognition memory impairment. Stress. 2009; 12(5), 451-6. PMID: 19339973
46. **A. Mesripour***, V. Hajhashemi, M. Rabanni. The effects of spironolactone on morphine withdrawal induced memory loss by the object recognition task method in mice. Research in pharmaceutical sciences 2007; 2(2): 77-84.

47. **A. Mesripour***, V. Hajhashemi, M. Rabanni. Metyrapone and Mifepristone reverse recognition memory loss induced by spontaneous morphine withdrawal in mice. *Basic and clinical pharmacology and toxicology* 2007; 102: 377-381.
48. B. Haghighi, **A. Mesripour**, M. Messripour. The effects of hypo- and hyperthyroidism on glucose 6-phosphate dehydrogenase activity in regions of rat brain. *Iranian Biomedical Journal*, 2005; 9(2): 63-67.

Reviews

49. B Amin, S Andalib, GVaseghi, **A Mesripour**. Learning and Memory Performance After Withdrawal of Agent Abuse: A Review. *Iran J Psychiatry Behav Sci* 2016; 10(2): e1822.
50. M Bahmani, H Shirzad, M Mirhosseini, **A Mesripour**, M Rafieian-Kopaei. A Review on Ethnobotanical and Therapeutic Uses of Fenugreek (*Trigonella foenum-graceum* L). *J Evid Based Complementary Altern Med*. 2016; 21(1):53-62.
51. M Bahmani, H Shirzad, M Mirhosseini, **A Mesripour**, M. Rafieian-Kopaei. A Review on Ethnobotanical and Therapeutic Uses of Fenugreek. *Journal of Evidence-Based Complementary & Alternative Medicine* 2016; 21(1): 53-62.

Other articles

52. M. Messripour, **A. Mesripour**. Case Report, Predicting risk of breast cancer by breastfeeding. *Standard Scientific Research and Essays* 2013; 1 (7): 152-153.

ABSTRACTS:

1. **A. Mesripour**, S Sajadian. Antidepressant-like effect of vitamin B6 in mice forced swimming test and the possible involvement of the noradrenergic system. 10th Basic and Clinic Neuroscience congress. Tehran, Iran, (Virtual) 22-24 Dec 2021.
2. **A. Mesripour**, P rakhshankhah A synbiotic mixture ameliorated depressive behavior induced by dexamethasone or water avoidance stress in mice model. 4th International and 25th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, (Virtual)20-22 Oct 2021.
1. **A. Mesripour**, A Meshkati, V. Hajhashemi. Manipulating the efficacy of doxepin, venlafaxine, and fluvoxamine by adding a synbiotic mixture in mice drinking water during the forced swimming test. 4th International and 25th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, (Virtual) 20-22 Oct 2021.

2. **A. Mesripour**, M. Kadivar, V. Hajhashemi. Monosodium glutamate influences depressive behavior of young and adult mice in forced swimming test: vitamin B6 a new update remedies the situation. 4th International Congress of Pharmacy Updates (Virtual). Tehran, Iran, 18-21 Feb 2020.
3. **A. Mesripour**, H. Fakhr Hoseiny, V. Hajhashemi. Effect of scopolamine and mecamlamine on depressive-like behavior of rivastigmine in the tail suspension test. 3rd International and 24th Iranian Congress of Physiology and Pharmacology. Tehran, Iran, 30 Oct - 1 Nov 2019.
4. **A. Mesripour**, Y Azimi-fashi, V. Hajhashemi. The effect of soybean diet on interferon- α induced depression in mice. 18th world congress of basic and clinical pharmacology, WCP2018 Kyoto, Japan, 1-6 July 2018.
5. **A. Mesripour**, V. Hajhashemi, F. Shafiei. Dextromethorphan and pentazocine prevented progesterone induced depression in the forced swimming test in mice. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology. Chabahr, Iran, 15-18 Feb 2018.
6. **A. Mesripour**, M. Rafieian. The effect of phytoestrogens on memory performance. The national congress of health and folk remedies in Iran. Shiraz University of Medical Science, Iran, March 2016.
7. **A. Mesripour**, A. Emadi. Evaluating the effect of Foeniculum vulgare phytoestrogenic extract on memory performance. 22th International Congress of Physiology and Pharmacology. Kashan University of Medical Science, Iran, Sep 2015.
8. **A. Mesripour**, M. Mesripour. Effect of vitamin b6 on age associated changes of rat brain glutamate metabolism. 21th International Congress of Physiology and Pharmacology. Tabriz University of Medical Science, Iran; August 2013.
9. **A. Mesripour**, V. Hajhashemi, M. Rabanni. Comparing the effect of MRs and GRs on memory performance after morphine withdrawal in mice. 20th International Congress of Physiology and Pharmacology. Hamedan University of Medical Science, Iran; October (2011).
10. **A. Mesripour**, V. Hajhashemi, M. Rabanni. The effects of mifepristone and metyrapone on morphine withdrawal- induced memory deficit in mice. 18th Iranian Congress of Physiology and Pharmacology. Mashhad university of medical science, Iran; August 26-30 (2007).
11. **A. Mesripour**, M. Rabanni. Effect of acute morphine on short term memory in mice by using the object recognition task. The 4th conference on psychopharmacology. Isfahan University of Medical Science, Isfahan, Iran; April 25- 26 (2007).

12. **A. Mesripour**, B. Haghghi. M. Messripour. Changes of Glucose- 6- Phosphte dehydrogenase activity in the brain regions of hypo and hyperthyroid rats. 16th Iranian Congress of Physiology and Pharmacology. Tehran, Iran; May 9-13 (2003).
13. M. Messripour, **A. Mesripour**. Evaluation of nerve growth factor receptor truncated in the urine of patients with Alzheimer's and Parkinson's disease. The 5th International Conference on Progress in Alzheimer's and Parkinson's disease, Kyoto, Japan; March 31-April 5 (2001).

SELF-DEVELOPMENT EDUCATION CERTIFICATION:

- Animal behavior (Maze) and Ethovision workshop. Shahid beheshti University of Medical Science. Neuroscience research center, Tehran. 16-18 January 2011.
- Powerlab signal recording system seminar. The School of Pharmacy, Mashhad. 6 July 2010
- Langendorff technique workshop Mashhad pharmacy school, Mashhad. 5 July 2010
- English for academic purposes workshop. Shahrekord University of Medical Science. September 2010.
- Teacher student communication workshop. Shahrekord University of Medical Science. 24 January 2009.
- Workshop of Advanced Methodology for Clinical Trial. Medical Education Developing Center, Isfahan University of Medical Science, Isfahan- Iran. June 2004.
- Workshop of Methodology for Biostatistical Analysis. Medical Education Developing Center, Isfahan University of Medical Science, Isfahan- Iran. July 2004.
- Workshop of Research Methodology . Vice Chancellor for Pharmaceutics and Food, Isfahan University of Medical Science, Isfahan- Iran. November 2003.