

CURRICULUM VITAE 2021

First name: Azadeh **Last name:** Mesripour

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CAREER OBJECTIVE

I have more than 10 years' experience of mentoring and lecturing Pharmacology to undergraduate / graduate students. My interests are primarily neuropharmacology; memory assessment, depression models and dissection of different parts of the rat brain. My ongoing research projects focus on acute and chronic depression models with the aim of discovering new receptors and introducing complementary medicine for depression. I am evaluating the relationship of drugs on depression-like behavior and hippocampal BDNF level. I am looking forward having the opportunity to translate my research that almost always involved animal models of disease into a final and fully approved therapeutic agent. I have published over 30 English papers.

LANGUAGES:

Fluent English (Band 7 IELTS test 2013)

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 Haghghi 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). Curses 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. S Teymoori, 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
2. M Aliomrانيا, **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>
3. M Aliomrانيا, **A Mesripour**, A Saleki. Creatine and alpha-lipoic acid antidepressant-like effect following cyclosporine A administration. *Turkish Journal of Pharmaceutical Science*. In Press.
4. **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.
5. **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
6. **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.

7. **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
8. 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.
9. **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
10. **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
11. 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.
12. **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
13. **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
14. **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
15. **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
16. **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
17. **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.

18. **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
19. M Messripour*, **A Mesripour**. Alteration of ADP-ribosylation in aging rat brain astrocytes. BIOCELL 2019; 43(1): 37-40
20. **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.
21. **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.
22. M Messripour, M Gheisary, **A Mesripour**. Age Related Effects of Levodopa on Rat Brain Striatal Acetylcholinesterase. Neurochemical Journal 2018; 12(1) : 48–52
23. 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.
24. **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.
25. **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.
26. **A Mesripour***, F Moghimi ,M Rafieian Coopaie. 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.
27. **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
28. **A Mesripour***, Z Alibabaei, A Emadi, M R Hojjati. Evaluating the effect of foeniculum vulgare on scopolamin-induced memory impairment in male mice. Journal of Isfahan Medical School 2015; 33(326): 294-304.

29. 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)
30. 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
31. M. Messripour, A. Nazariyan **A. Mesripour**, I. Mohammadi. Nerve growth factor receptors in dementia. *Turkish Journal of Medical Science* 2015; 45: 1122-1126.
32. **A. Mesripour**, M. Messripour. Striatal Synaptosomal Dopamine and Serotonin Cross-talk Synthesis in Aging Rat. *International Neuropsychiatric Disease Journal* 2014; 2(4): 153-161.
33. 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.
34. M. Messripour, **A. Mesripour**. Age related interaction of dopamine and serotonin synthesis in striatal synaptosomes. *BIOCELL* 2013; 37(2): 17-21.
35. **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 .
36. M. Hamidi, B. Zamanzad, **A. Mesripour***. Comparing the effect of clofibrate and Phenobarbital on the newborns with hyperbilirubinemia. *EXCLI Journal* 2013; 12:75-78
37. **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.
38. M. Messripour, **A. Mesripour**. Effects of Vitamin B6 on the Brain Glutamate Pyrovate Transaminase and Glutamate Oxaloacetate Transaminase in Young and Old Rats. *American Journal of Medicine and Medical Sciences* 2012; 2(1): 33-35
39. 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.
40. 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.
41. 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.

42. 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
43. **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.
44. **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.
45. 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

46. 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.
47. 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.
48. 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

49. 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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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. Chabahar, Iran, 15-18 Feb 2018.
8. **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.
9. **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.
10. **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.
11. **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).

12. **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).
13. **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).
14. **A. Mesripour**, B. Haghighi. 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).
15. 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.