

Curriculum Vitae

(last update: October 2021)



Mahsa Hassanipour

Contact Information:

- Department of Physiology and Pharmacology, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- E-mail address: mhasanipour@gmail.com, mahsahasani@rums.ac.ir, Tel: +983431315080

Identification:

First Name: Mahsa	Last Name: Hassanipour
Nationality: Iranian	Marital status: Married

Education:

- Doctor of Pharmacy, Islamic Azad University of Pharmaceutical Sciences, Tehran, Iran, 2007-2012.
Total average: 17.78
- PhD of Pharmacology, Tehran University of Medical sciences, Tehran, Iran, 2013-2016.

Thesis title Pharm D:

- Chronic administration of atorvastatin induced anti-convulsant effects in mice:

The role of nitric oxide.

- Supervised by: Dr. Hamed Shafaroodi, Dr. Mehdi Rezayat

Thesis title PhD:

- Role of atorvastatin in prevention of morphine analgesic tolerance and dependence in mice: nitrenergic system involvement

- Supervised by: Dr. Ahmadreza Dehpour

Academic Rank:

- Assistant Professor of Pharmacology. ORCID ID: 0000-0003-2350-0326. Researcher ID: H-1732-2017

Publications:

1. Shafaroodi H, Moezi L, Fakhrzad A, **Hassanipour M**, Rezayat M, Dehpour AR. The involvement of nitric oxide in the anti-seizure effect of acute atorvastatin treatment in mice. *Neurol Res.* 2012 Nov;34(9):847-53.
2. Moezi L, Shafaroodi H, **Hassanipour M**, Fakhrzad A, Hassanpour S, Dehpour AR. Chronic administration of atorvastatin induced anti-convulsant effects in mice: the role of nitric oxide. *Epilepsy Behav.* 2012 Apr;23(4):399-404.
3. **Hassanipour M**, Raoufi-nejad K, Arbabi bidgoli S. Insights into the autistic disorder and potential therapeutic approaches. *Journal of Pharmaceutical and Health Sciences.* 2012 ;1(3), 71-77.
4. Shafaroodi H, Moezi L, Ghorbani H, Zaeri M, Hassanpour S, **Hassanipour M**, Dehpour AR. Sub-chronic treatment with pioglitazone exerts anti-convulsant effects in pentylenetetrazole-induced seizures of mice: The role of nitric oxide. *Brain Res Bull.* 2012 Apr 10;87(6):544-50.

5. **Hassanipour M, Shafaroodi H.** Apelin: A promising therapeutic target? *Journal of Pharmaceutical and Health Sciences.* 2014; 2(2), 133-138.
6. Moezi L, **Hassanipour M**, Zaeri M, Ghorbani H, Shafaroodi H. The influence of ovariectomy on anti-convulsant effect of pioglitazone in mice. *Pathophysiology.* 2015 Sep;22(3):159-63.
7. **Hassanipour M**, Shirzadian A, Boojar MM, Abkhoo A, Abkhoo A, Delazar S, Amiri S, Rahimi N, Ostadhadi S, Dehpour AR. Possible involvement of nitrenergic and opioidergic systems in the modulatory effect of acutychloroquine treatment on pentylenetetrazol induced convulsions in mice. *Brain Res Bull.* 2016 Mar;121:124-30.
8. Amini-Khoei H, Amiri S, Shirzadian A, Haj-Mirzaian A, Alijanpour S, Rahimi-Balaei M, Mohammadi-Asl A, **Hassanipour M**, Mehr SE, Dehpour AR. Experiencing neonatal maternal separation increased the seizure threshold in adult male mice: Involvement of the opioid system. *Epilepsy Behav.* 2015 Nov;52(Pt A):37-41.
9. Amini-Khoei H, Rahimi-Balaei M, Amiri S, Haj-Mirzaian A, **Hassanipour M**, Shirzadian A, Gooshe M, Alijanpour S, Mehr SE, Dehpour AR. Morphine modulates the effects of histamine H1 and H3 receptors on seizure susceptibility in pentylenetetrazole-induced seizure model of mice. *Eur J Pharmacol.* 2015 Dec 15;769:43-7.
10. Shafaroodi H, **Hassanipour M**, Mousavi Z, Rahimi N, Dehpour AR. The Effects of Sub-Chronic Treatment with Pioglitazone on the Septic Mice Mortality in the Model of Cecal Ligation and Puncture: Involvement of Nitric Oxide Pathway. *Acta Med Iran.* 2015 Oct;53(10):608-16.
11. **Mahsa Hassanipour**, Hossein Amini-Khoei, Hamed Shafaroodi, Armin Shirzadian, Nastaran Rahimi, Muhammad Imran-Khan, Seyed-Mahdi Rezayat, Ahmadreza Dehpour. Atorvastatin attenuates the antinociceptive tolerance of morphine via nitric oxide dependent pathway in male mice. *Brain Res Bull* 125, 173-180. 2016
12. Boojar MM, **Hassanipour M**, Mehr SE, Boojar MM, Dehpour AR. New aspects of silibinin stereoisomers and their 3-O-galloyl derivatives on cytotoxicity and ceramide metabolism in Hep G2 hepatocarcinoma cell line. *Iranian journal of pharmaceutical research: IJPR.* 2016;15(3):421.
13. Zarisfi M, Allahtavakoli F, **Hassanipour M**, Khaksari M, Rezazadeh H, Allahtavakoli M, Taghavi MM. Transient brain hypothermia reduces the reperfusion injury of delayed tissue plasminogen activator and extends its therapeutic time window in a focal embolic stroke model. *Brain Research Bulletin.* 2017 Jul 11.

14. Khan MI, Ostadhadi S, Mumtaz F, Momeny M, Moghaddaskho F, **Hassanipour M**, Ejtemaei-Mehr S, Dehpour AR. Thalidomide attenuates the development and expression of antinociceptive tolerance to μ -opioid agonist morphine through l-arginine-iNOS and nitric oxide pathway. *Biomedicine & Pharmacotherapy*. 2017 Jan 31;85:493-502.
15. Amini-Khoei H, Mohammadi-Asl A, Amiri S, Hosseini MJ, Momeny M, **Hassanipour M**, Rastegar M, Haj-Mirzaian A, Haj-Mirzaian A, Sanjarimoghaddam H, Mehr SE. Oxytocin mitigated the depressive-like behaviors of maternal separation stress through modulating mitochondrial function and neuroinflammation. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 2017 Jun 2;76:169-78.
16. Ghavamabadi RT, Taghipour Z, **Hassanipour M**, Khademi M, Shariati M. Effect of maternal fluoxetine exposure on lung, heart, and kidney development in rat neonates. *Iran J Basic Med Sci*. 2018, 21(4):417-421.
17. Rahimi N, **Hassanipour M**, Allahabadi NS, Sabbaghziarani F, Yazdanparast M, Dehpour A. Cirrhosis induced by bile duct ligation alleviates acetic acid intestinal damages in rats: Involvements of nitrenergic and opioidergic systems. *Pharmacological Reports*. 2018 Jun 1;70(3):426-33.
18. Amini-Khoei H, Kordjazy N, Haj-Mirzaian A, Amiri S, Haj-Mirzaian A, Shirzadian A, Hasanvand A, Balali-Dehkordi S, **Hassanipour M**, Dehpour AR. Anticonvulsant effect of minocycline on pentylenetetrazole-induced seizure in mice: involvement of nitric oxide and N-methyl-D-aspartate receptor. *Canadian journal of physiology and pharmacology*. 2018 Mar 20(999):1-9.
19. Naderi R, **Hassanipour M**, Aminzadeh F, Manshoori A, Shamsizadeh A, Khodadadizadeh A. Maternal Administration of Cichorium intybus L. Extract Decreases the Plasma Total and Conjugated Bilirubin Level in Rat Neonates. *Jundishapur Journal of Natural Pharmaceutical Products*. 2018.
20. Pak-Hashemi M, **Hassanipour M**, Mohammadinasab M, Kaeidi A, Shamsizadeh A, Hakimizadeh E, Allahtavakoli M, Fatemi I. Study the effects of Pistacia vera seed (pistachio) oil on working memory and spatial learning and memory. *Pistachio and Health Journal*. 2018 Sep 11.
21. **Hassanipour M**, Rajai N, Rahimi N, Fatemi I, Jalali M, Akbarian R, Shahabaddini A, Nazari A, Amini-Khoei H, Dehpour AR. Sumatriptan effects on morphine-induced antinociceptive tolerance and physical dependence: The role of nitric oxide. *European journal of pharmacology*. 2018 Sep 15;835:52-60.
22. Bazmandegan G, Amirteimoury M, Kaeidi A, Shamsizadeh A, Khademalhosseini M, Nematollahi MH, **Hassanipour M**, Fatemi I. Sumatriptan ameliorates renal injury induced by cisplatin in mice. *Iranian journal of basic medical sciences*. 2019 May;22(5):563.

23. Shibani F, Sahamsizadeh A, Fatemi I, Allahtavakoli M, Hasanshahi J, Rahmani M, Azin M, **Hassanipour M**, Mozafari N, Kaeidi A. Effect of oleuropein on morphine-induced hippocampus neurotoxicity and memory impairments in rats. *Naunyn-Schmiedeberg's archives of pharmacology*. 2019 Nov;392(11):1383-91.
24. Zakeri M, Fatemi I, Kaeidi A, Zakeri MA, Hakimizadeh E, **Hassanipour M**, Rahmani M, Hassanshahi J, Ayoobi F, Allahtavakoli M. Pro-neurocognitive and anti-sarcopenic benefits of one-year metformin therapy in ovariectomized aged mice. *Clinical and Experimental Pharmacology and Physiology*. 2019 Dec;46(12):1133-40.
25. Rahimi N, **Hassanipour M**, Yarmohammadi F, Faghir-Ghanesefat H, Pourshadi N, Bahramnejad E, Dehpour AR. Nitric oxide and glutamate are contributors of anti-seizure activity of rubidium chloride: a comparison with lithium. *Neuroscience letters*. 2019 Aug 24;708:134349.
26. Khademi M, Taghizadeh Ghavamabadi R, Taghavi MM, Shabanizadeh A, Shariati-kohbanani M, **Hassanipour M**, Taghipour Z. The effects of fluoxetine on the human adipose-derived stem cell proliferation and differentiation. *Fundamental & clinical pharmacology*. 2019 Jun;33(3):286-95.
27. Mohammadi-Nasab M, Fatemi I, Pak-Hashemi M, Abbasi-Fard M, **Hassanipour M**. The Effects of Pistacia Vera Seed Oil on Anxiety and Depressive-Like Behaviors in Rats with Polycystic Ovary Syndrome. *Pistachio and Health Journal*. 2019 Feb 1;2(1):1-9.
28. Pak-Hashemi M, **Hassanipour M**, Mohammadinasab M, Kaeidi A, Shamsizadeh A, Hakimizadeh E, Tavakoli M, Fatemi I. A Study of the Effects of Pistaciavera (Pistachio) Seed Oil on Working Memory as Well as Spatial Learning and Memory. *Pistachio and Health Journal*. 2019 Jan 21;1(3):1-7.
29. **Hassanipour M**, Zarisfi M, Ehsani V, Allahtavakoli M. Whole body hypothermia extends tissue plasminogen activator treatment window in the rat model of embolic stroke. *Life sciences*. 2020 Sep 1;256:117450.
30. Ayubi-Rad M, Yosefi S, Hajizadeh M, Jafari-Naveh H, **Hassanipour M**, Alamchi F, Fadai A, Khorasani F, Hosseini F, Bemani M, Mahmoodi M. Effects of Astragalus fasciculifolius gum on wound healing in streptozotocin-induced diabetic rats. *Journal of Herbmед Pharmacology*. 2020 Jul 1;9(4):328-32.
31. Mokhtari SS, Hakimizadeh E, Mohammadi MH, Kaeidi A, Fatemi I, **Hassanipour M**, Hassanshahi J, Allahtavakoli M. Effect of Ischemic Conditioning on Some Motor and Cognitive Factors in the Ovariectomy-Induced Aged Rats. *Journal of Shahid Sadoughi University of Medical Sciences*. 2020.

32. Pak-Hashemi M, **Hassanipour M**, Kaeidi A, Saeed-Askari P, Fatemi I, Rahmani MR, Hakimi E, Hassanshahi J, Ehsani V, Taghipour Z, Khademi M. Effect of Metformin on Some Cognitive Functions in Old Rats. *Journal of Shahid Sadoughi University of Medical Sciences*. 2020 Jul 18.
33. Fatemi I, Pak-Hashemi M, Mohammadi-Nasab M, Kaeidi A, Hakimizadeh E, Hassanipour M. The effects of endurance training in anxiety-like behaviors in rats with polycystic ovarian syndrome. *Journal of Jiroft University of Medical Sciences*. 2021 Jan 10;7(4):498-505.
34. **Hassanipour M**, Rahimi N, Rajai N, Amini-Khoei H, Ejtemaei Mehr S, Momeny M, Heidari M, Dehpour AR. The Expression and Function of Nitric Oxide Synthase Enzyme in Atorvastatin Effects on Morphine-Induced Dependence in Mice. *Archives of Neuroscience*. 2021 Jul 31;8(3).
35. Mohammadi M, Fatemi I, Taghipour Z, Azin M, Kaeidi A, Hakimizadeh E, Taghizadeh R, **Hassanipour M**. Polycystic Ovary Syndrome Can Lead to Neurocognitive Changes in Female Rats Treated with Letrozole. *Archives of Neuroscience*. 2021 Apr 30;8(2).

➤ **Seminars:**

- **Mahsa Hassanipour**, Sara Hassanpour, Hamed Shafaroodi, Leila Moezi and Ahmad Reza Dehpour. Role of nitrenergic system in the anticonvulsant effects of atorvastatin in the pentylenetetrazole-induced clonic seizures in mice. The 16th Iranian Pharmacy Student Seminar, Tehran, Iran, 15-17 October 2011 (poster presentation).
- **M. Hassanipour**, K. Raoufi-nejad, S. Hassanpour, Z. Mousavi, L. Moezi, H. Shafaroodi, AR. Dehpour. New insights into the role of PPAR γ agonist, Pioglitazone, in murine sepsis model by cecal ligation and puncture: Involvement of nitrenergic system and TNF α . 13th Iranian Pharmaceutical Science Congress 3-6 September 2012/Esfahan (oral English presentation).
- **M. Hassanipour**, A. Farkhrzad, H. Shafaroodi, L. Moezi, M. Rezayat, AR. Dehpour. Role of nitric oxide in anticonvulsant effects of acute atorvastatin treatment in mice. 13th Iranian Pharmaceutical Science Congress 3-6 September 2012/Esfahan (poster presentation).
- **Mahsa Hassanipour**, Hossein Amini-Khoei, Nastaran Rahimi, Ahmadreza Dehpour, Protective effects of atorvastatin on morphine dependence in mice is mediated by nitrenergic system. Iranian Pharmacy Students' Seminar, (IPSS20), 12th -14th April 2017. Tehran
- **Mahsa Hassanipour**, Nazanin Rajai, Nastaran Rahimi, Iman Fatemi, Reihaneh Akbarian, Ali Shahabaddini, Amirhossein Nazari, Hossein Amini-Khoei, Ahmadreza Dehpour. Acute sumatriptan effects on morphine analgesic tolerance and physical dependence in male mice: the

possible role of nitric oxide. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology 15-18 February, 2018, Chabahar, Iran.

➤ *Research proposals under investigation*

- The effects of four weeks endurance training plus Pistachio vera oil administration on some behavioral parameters in female rats with polycystic ovarian syndrome.
- Preparation of Pistachio topical dosage forms for burn wound healing in rat model.
- The effect of topical Pistacia vera oil on clinical signs and symptoms of knee joint osteoarthritis: a randomized and double blind clinical trial.
- Study the effects of metformin in development of morphine-induced antinociceptive tolerance in mice, possible role of nitrenergic system.
- The effect of four weeks of endurance training with co-enzyme Q10 supplementation on behavioral factors in mice with PCOS.

Honors:

- ✓ Holding rank 3, in 16th Iranian Pharmacy Student Seminar, Tehran, Iran. 15-17 October 2011 in pharmacology poster presentations.
- ✓ The premier member of Young Researchers Club (YRC) in Islamic Azad University of Pharmaceutical Science (IAUPS), 2012.
- ✓ Achieving the premier writer position in the medical thesis by FARHIKHTEGAN ceremony in 2014.

➤ *Membership*

- Member of Iranian Pharmaceutical Association.
- Member of Iran Medical Council, No: 17224
- Member of Physiology and Pharmacology Research Centre, Rafsanjan University of Medical Sciences.
- Member of research council of medical faculty, Rafsanjan University of Medical Sciences.
- Member of education council of medical faculty, Rafsanjan University of Medical Sciences.
- Member of research and development center of food and drug affairs, Rafsanjan University of Medical Sciences.

Responsibilities

- Head of Educational Development Office (EDO) in the medicine faculty (2018-2020).
- Head of 3th Generation Universities of education reform plan (since 2017).
- Head of University and industry collaboration committee (since 2021).

Abilities

- Experimental studies management.
- Herbal drug development.

Interested fields

- Educational researches in medical sciences.
- Scholarship of teaching and learning.
- Drug development.
- Third generation universities and startups.