



**Vahid Sheibani**

Professor of Human Physiology

**H-Index:** 28

**Number of Articles:** 165

**Citations:** 2250

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**Date of Birth:** 21/ 04/1966

**Marital Status:** Married (Two sons)

**EDUCATIONAL BACKGROUND**

B.Sc. Biology (**1989**) Shahid Bahonar Kerman University, Kerman, Iran

M.Sc Physiology (**1995**), Shaheed Beheshti University of Medical Sciences, Tehran, Iran

Ph.D Physiology (**2002**), Shaheed Beheshti University of Medical Sciences, Iran

**THESIS**

**M.Sc Thesis Title**

Effect of REM sleep Deprivation on Memory Retention of Rat with Two Way Active Avoidance Task.

**Ph.D. Thesis Title**

Effect of Capsaicin and Locus Coeruleus Electrical Stimulation on Response of Barrel Cortical Cells to Controlled Mechanical Displacement in Adult Rats.

**ACADEMIC AFFILIATION**

Faculty Member in Medical School of Kerman University of Medical Science, Kerman, Iran **2002 until now**

**Head of Neuroscience Research Center**, Kerman University of Medical Science, Kerman, Iran, **2005-Now**.

### **RESEARCH TECHNICAL SKILLS**

- Single Unit Recording
- Field Potential Recording (in vivo and in vitro)
- EEG and EMG Recordings in Experimental animals
- Laser Doppler Blood Flow Monitoring
- Pain evaluating test (Hot plate, formalin, tail flick)
- Learning and memory test (Morris water maze, one and two-way avoidance task...)
- Kindling (electrical and chemical)
- Behavioral test in monkey ( Stop task/DMTS/NDMTS)

### **TEACHING EXPERIENCE**

- Teaching Neurophysiology for MSc and Ph.D e students (Physiology, Neuroscience ,...)
- Teaching Medical Neurophysiology for Students of Medicine, Pharmacy, Dendistry

### **Academic Membership**

- Membership and Funding Member of Iranian Neuroscience Society
- Membership of Iranian Physiology and Pharmacology Society
- Academic member of Cognitive Sciences and Technologies Council of Iran
- Membership of International Brain Research Center Organization (IBRO)
- Membership of Research council of Kerman University of Medical Sciences
- Membership of Characteristic Committee of Kerman Medical University of Iran
- Funding Member of International Cognitive Neuroscience Research Centers of Kerman
- Membership of Neuroscience Committee of council for stem Cell Sciences and Technologies
- Scientific Director of the first IBRO School in Kerman

- National Scientific Director of fifth Iranian Medical Student Olympiad (Basic Section)
- Scientific Reviewer of Iranian Medical Student Olympiad (Basic Section)
- National Scientific Referee of Medical Student of Basic Olympiad 1390-95

### **Awards**

- Having the Outstanding Project in Basic Medical Science, 4th Razi National Research Festival, Tehran, Iran, 1998.
- Elected as the best researcher of Kerman University of Medical Sciences (Two Times)
- Elected as the best researcher (2006, 2007, 2008,2021) in Kerman Neuroscience Research Center, Kerman, Iran

### **Grant Winner list**

- Grant for establishment of Primates laboratory from cognitive council of Iran (primate addiction project)
- Grant from Council for Stem Cell Sciences and Technologies of Iran (Stem cell project in rodent and Primate)
- Grant from National Institute for development and Medical Research Center of Iran (NIMAD)
- Many Grant from Kerman University of Medical sciences
- A lot of grant from Kerman Neuroscience Research Center

### **Research Performance:**

- **Scopus H-index: 28**
- **Number of Articles: 165**
- **Scopus Citation Number: 2250**
- **Supervisor and advisor of M.sc Students: 24**
- **Supervisor and advisor of Ph.D. Students: 17**
- **Supervisor and advisor of Medical Students: 8**



## INTERNATIONAL PAPER (Pubmed)

158-Choline chloride modulates learning, memory, and synaptic plasticity impairments in maternally separated adolescent male rats.

Shahraki S, Esmailpour K, Shabani M, Sepehri G, Rajizadeh MA, Maneshian M, Joushi S, **Sheibani V**. *Int J Dev Neurosci*. 2021 Nov 2. doi: 10.1002/jdn.10155. Online ahead of print. PMID: 34727391

157-Effects of short environmental enrichment on early-life adversity induced cognitive alternations in adolescent rats.

Joushi S, Esmailpour K, Masoumi-Ardakani Y, Esmaeili-Mahani S, **Sheibani V**. *J Neurosci Res*. 2021 Oct 22. doi: 10.1002/jnr.24974. Online ahead of print. PMID: 34676587

156- Inhibition of protease-activated receptor 1 (PAR1) ameliorates cognitive performance and synaptic plasticity impairments in animal model of Alzheimer's diseases.

Zare D, Rajizadeh MA, Maneshian M, Jonaidi H, **Sheibani V**, Asadi-Shekaari M, Yousefi M, Esmailpour K. *Psychopharmacology (Berl)*. 2021 Jun;238(6):1645-1656. doi: 10.1007/s00213-021-05798-8. Epub 2021 Feb 23. PMID: 33624157

155- Transplantation of rat dental pulp stem cells facilitates post-lesion recovery in the somatosensory whisker cortex of male Wistar rats.

Sabzalizadeh M, Afarinesh MR, Esmaeili-Mahani S, Farsinejad A, Derakhshani A, Arabzadeh E, **Sheibani V**. *Brain Res Bull*. 2021 Aug;173:150-161. doi: 10.1016/j.brainresbull.2021.04.028. Epub 2021 May 5. PMID: 33964348

154- Marijuana improved motor impairments and changes in synaptic plasticity-related molecules in the striatum in 6-OHDA-treated rats.

Komeili G, Haghparast E, **Sheibani V**. *Behav Brain Res*. 2021 Jul 23;410:113342. doi: 10.1016/j.bbr.2021.113342. Epub 2021 May 4. PMID: 33961911

153- Involvement of T-type calcium channels in the mechanism of low dose morphine-induced hyperalgesia in adult male rats.

Abbasloo E, Abdollahi F, Saberi A, Esmaeili-Mahani S, Kaeidi A, Akhlaghinasab F, **Sheibani V**, Thomas TC, Kobeissy FH, Oryan S. *Neuropeptides*. 2021 Aug 14;90:102185. doi: 10.1016/j.npep.2021.102185. Online ahead of print. PMID: 34419803

152- Improved spatial memory, neurobehavioral outcomes, and neuroprotective effect after progesterone administration in ovariectomized rats with traumatic brain injury: Role of RU486 progesterone receptor antagonist.

Amirkhosravi L, Khaksari M, **Sheibani V**, Shahrokhi N, Ebrahimi MN, Amiresmaili S, Salmani N. *Iran J Basic Med Sci*. 2021 Mar;24(3):349-359. doi: 10.22038/ijbms.2021.50973.11591. PMID: 33995946 **Free PMC article.**

151- The effects of emotional stimuli and oxytocin on inhibition ability and response execution in macaque monkeys.  
Mowlavi Vardanjani M, Ghasemian S, **Sheibani V**, A Mansouri F. *Behav Brain Res.* **2021** Sep 10;413:113409. doi: 10.1016/j.bbr.2021.113409. Epub 2021 Jun 7. PMID: 34111470

150-Electromagnetic field protects against cognitive and synaptic plasticity impairment induced by electrical kindling in rats.  
Khajei S, Mirnajafi-Zadeh J, **Sheibani V**, Ahmadi-Zeidabadi M, Masoumi-Ardakani Y, Rajizadeh MA, Esmailpour K. *Brain Res Bull.* **2021** Jun;171:75-83. doi: 10.1016/j.brainresbull.2021.03.013. Epub 2021 Mar 19. PMID: 33753209

149-Low-Frequency Stimulation Prevents Kindling-Induced Impairment through the Activation of the Endocannabinoid System.  
Khajei S, Esmailpour K, Mirnajafi-Zadeh J, **Sheibani V**, Rezakhani S, Masoumi-Ardakani Y. *Biomed Res Int.* **2021** Jun 16;2021:5526780. doi: 10.1155/2021/5526780. eCollection 2021. PMID: 34222471 **Free PMC article.**

148-Maternal separation impairs mother's cognition 1 month beyond the separation.  
Joushi S, **Sheibani V**, Esmailpour K, Francis-Oliveira J, Taherizadeh Z, Mohtashami Borzadaran F. *Int J Dev Neurosci.* **2021** Jul 1. doi: 10.1002/jdn.10138. Online ahead of print. PMID: 34196036

147-Dimensional bias and adaptive adjustments in inhibitory control of monkeys.  
Ghasemian S, Vardanjani MM, **Sheibani V**, Mansouri FA. *Anim Cogn.* **2021** Jul;24(4):815-828. doi: 10.1007/s10071-021-01483-7. Epub 2021 Feb 8. PMID: 33554317

146-The citrus flavanone naringenin prevents the development of morphine analgesic tolerance and conditioned place preference in male rats.  
Alifarsangi A, Esmaili-Mahani S, **Sheibani V**, Abbasnejad M. *Am J Drug Alcohol Abuse.* **2021** Jan 2;47(1):43-51. doi: 10.1080/00952990.2020.1813296. Epub 2020 Oct 2. PMID: 33006902

145- Intranasal oxytocin administration facilitates the induction of long-term potentiation and promotes cognitive performance of maternally separated rats.  
Joushi S, Esmailpour K, Masoumi-Ardakani Y, Esmaili-Mahani S, **Sheibani V**. *Psychoneuroendocrinology.* **2021** Jan;123:105044. doi: 10.1016/j.psyneuen.2020.105044. Epub 2020 Nov 11. PMID: 33227537

144- Pain influences food preference and food-related memory by activating the basolateral amygdala in rats.  
Zamyad M, Abbasnejad M, Esmaili-Mahani S, **Sheibani V**, Raouf M. *Exp Brain Res.* **2021** Jan;239(1):79-93. doi: 10.1007/s00221-020-05961-1. Epub 2020 Oct 26. PMID: 33104830

143- Focal unilateral mechanical lesion in barrel cortex impairs rat's abilities to discriminate textures.

Sabzalizadeh M, Afarinesh MR, Esmaili-Mahani S, **Sheibani V**. *Somatosens Mot Res.* **2021** Mar;38(1):1-10. doi: 10.1080/08990220.2020.1828055. Epub 2020 Nov 12. PMID: 33176529

142- Ovarian hormones prevent methamphetamine-induced anxiety-related behaviors and neuronal damage in ovariectomized rats.

Ghazvini H, Tirgar F, Khodamoradi M, Akbarnejad Z, Razaiee R, Seyedhosseini Tamijani SM, Asadi-Shekaari M, Esmailpour K, **Sheibani V**. *Neurosci Lett.* **2021** Feb 16;746:135652. doi: 10.1016/j.neulet.2021.135652. Epub 2021 Jan 19. PMID: 33482310

141- Apelin-13 prevents hippocampal synaptic plasticity impairment in Parkinsonism rats.

Esmaili-Mahani S, Haghparast E, Nezhadi A, Abbasnejad M, **Sheibani V**. *J Chem Neuroanat.* 2021 Jan;111:101884. doi: 10.1016/j.jchemneu.2020.101884. Epub 2020 Nov 5. PMID: 33161074

140- Color-hierarchies in executive control of monkeys' behavior.

Ghasemian S, Vardanjani MM, **Sheibani V**, Mansouri FA. *Am J Primatol.* 2021 Feb;83(2):e23231. doi: 10.1002/ajp.23231. Epub **2021** Jan 5. PMID: 33400335

139- Intergenerational effects of maternal separation on cognitive abilities of adolescent rats.

Joushi S, Esmailpour K, Taherizadeh Z, Taheri F, **Sheibani V**. *Int J Dev Neurosci.* 2020 Dec;80(8):687-698. doi: 10.1002/jdn.10066. **Epub 2020** Oct 2. PMID: 32970881

138- What are the consequences of Methylphenidate exposure for maternally separated rats?

Mohtashami Borzadaran F, Esmailpour K, Joushi S, Rajizadeh MA, **Sheibani V**, Ur Rehman N, Sepehri G. *Int J Dev Neurosci.* **2020** Oct;80(6):489-499. doi: 10.1002/jdn.10045. Epub 2020 Jul 22. PMID: 32510645

137- Activation orexin 1 receptors in the ventrolateral periaqueductal gray matter attenuate nitroglycerin-induced migraine attacks and calcitonin gene related peptide up-regulation in trigeminal nucleus caudalis of rats.

Kooshki R, Abbasnejad M, Esmaili-Mahani S, Raoof M, **Sheibani V**. *Neuropharmacology.* **2020** Nov 1;178:107981. doi: 10.1016/j.neuropharm.2020.107981. Epub 2020 Jul 31. PMID: 32745488

**136-** Alcohol and nicotine co-Administration during pregnancy and lactation periods alters sensory discrimination of adult NMRI mice offspring

Sabzalizadeh, M., Afarinesh, M.R., Mafi, F., Ezzatabadipour, M., Sheibani, V., 2020, [Physiology and Behavior](#), 213,112731

**135-** Effect of mild and chronic neonatal hypothyroidism on sensory information processing in a rodent model: A behavioral and electrophysiological study

Afarinesh, M.R., Shafiei, F., Sabzalizadeh, M., (...), Golshan, F., Sheibani, V., 2020, [Brain Research Bulletin](#), 155, pp. 29-36

**134-** Voluntary exercise modulates learning & memory and synaptic plasticity impairments in sleep deprived female rats

Rajizadeh, M.A., Esmaeilpour, K., Haghparast, E., Ebrahimi, M.N., Sheibani, V., 2020, [Brain Research](#), 1729,146598

**133-** The effect of epigallocatechin-3-gallate on morphine-induced memory impairments in rat: EGCG effects on morphine neurotoxicity

Saffar, S., Fatemi, I., Rahmani, M., Sheibani, V., Kaeidi, A., 2020, [Human and Experimental Toxicology](#), 39(7), pp. 994-1002

**132-** Environmental enrichment and pain sensitivity; a study in maternally separated rats, Mohtashami Borzadaran, F., Joushi, S., Taheri Zadeh, Z., Sheibani, V., Esmaeilpour, K., 2020, [International Journal of Developmental Neuroscience](#)

**131-** Resistance training-induced muscle hypertrophy is mediated by TGF- $\beta$ 1-Smad signaling pathway in male Wistar rats, Nikooie, R., Jafari-Sardoie, S., Sheibani, V., Nejadvaziri Chatroudi, A., 2020, [Journal of Cellular Physiology](#), 235(7-8), pp. 5649-5665

**130-** Hyperexcitability of VTA dopaminergic neurons in male offspring exposed to physical or psychological prenatal stress, Razavinasab, M., Sheibani, V., Kohlmeier, K.A., Nazeri, M., Shabani, M., 2020, [Progress in Neuro-Psychopharmacology and Biological Psychiatry](#), 101,109923

**129-** Sex differences in sleep and sleep loss-induced cognitive deficits: The influence of gonadal hormones, Hajali, V., Andersen, M.L., Negah, S.S., Sheibani, V., 2020, [Hormones and Behavior](#), 108, pp. 50-61

**128-** Hippocampal microRNA-191a-5p Regulates BDNF Expression and Shows Correlation with Cognitive Impairment Induced by Paradoxical Sleep Deprivation, Mohammadipoor-Ghasemabad, L., Sangtarash, M.H., Sheibani, V., Sasan, H.A., Esmaeili-Mahani, S., 2019, [Neuroscience](#), 414, pp. 49-59

**127-** Abnormal hippocampal miR-1b expression is ameliorated by regular treadmill exercise in the sleep-deprived female rats, Mohammadipoor-Ghasemabad, L., Sangtarash, M.H., Esmaeili-Mahani, S., Sheibani, V., Sasan, H.A., 2019, [Iranian Journal of Basic Medical Sciences](#), 22(5), pp. 485-490

**126-** The effects of oxytocin on primates` working memory depend on the emotional valence of contextual factors, Zarei, S.A., Sheibani, V., Tomaz, C., Mansouri, F.A., 2019, [Behavioural Brain Research](#), 362, pp. 82-89

**125-** The anticonvulsant effects of ducrosia anethifolia (boiss) essential oil are produced by its main component alpha-pinene in rats | [Os efeitos anticonvulsivantes do oleo essencial de Ducrosia anethifolia (Boiss) sao realizados pelo seu principal componente alfa-pineno em ratos], Zamyad, M., Abbasnejad, M., Esmaeili-Mahani, S., Mostafavi, A., Sheibani, V., 2019, [Arquivos de Neuro-Psiquiatria](#), 77(2), pp. 106-114

- 124-** Maternal separation impairs long term-potential in CA3-CA1 synapses in adolescent female rats, heydari, A., Esmailpour, K., Sheibani, V., 2019, [Behavioural Brain Research](#), 376,112239
- 123-** Concomitant abuse of methadone and methamphetamine could impair spatial learning and memory in male rats, Nouri, F., Afarinesh, M.R., Sheibani, V., (...), Mahmoudi, M., Rohani, E., 2019, [Learning and Motivation](#), 65, pp. 43-51
- 122-** The effects of high intensity exercise on learning and memory impairments followed by combination of sleep deprivation and demyelination induced by etidium bromide, Rajizadeh, M.A., Sheibani, V., Bejeshk, M.A., (...), Saghari, H., Esmailpour, K., 2019, [International Journal of Neuroscience](#), 129(12), pp. 1166-1178,
- 121-** Amelioration of prenatal lead-induced learning and memory impairments by methanolic extract of Zataria multiflora in male rats, Taheri, F., Sepehri, G., Sheibani, V., Sharififar, F., 2019, [Basic and Clinical Neuroscience](#), 10(2), pp. 175-184
- 120-** The effects of voluntary exercise on learning and memory deficit in Parkinson`s disease model of rats, Rafie, F., Sheibani, V., Shahbazi, M., (...), Pourranjbar, M., Sheikh, M., 2019, [Sport Sciences for Health](#), 15(2), pp. 399-405
- 119-** Phytohormone Abscisic Acid Protects Human Neuroblastoma SH-SY5Y Cells Against 6-Hydroxydopamine-Induced Neurotoxicity Through Its Antioxidant and Antiapoptotic Properties, Rafiepour, K., Esmaili-Mahani, S., Salehzadeh, A., Sheibani, V., 2019, [Rejuvenation Research](#), 22(2), pp. 99-108
- 118-** Interaction of music and emotional stimuli in modulating working memory in macaque monkeys, Zarei, S.A., Sheibani, V., Mansouri, F.A., 2019, [American Journal of Primatology](#), 81(7),e22999
- 117-**Comparison of pre-pulse inhibition, tactile discrimination learning and barrel cortical neural response in adult male rats following chronic exposure to morphine, methadone and buprenorphine, Shafiei, F., Afarinesh, M.R., Golshan, F., (...), Zangiabadi, I., Sheibani, V., 2019, [Physiology and Behavior](#), 212,112694
- 116-** The effects of co-administration of marijuana and methylphenidate on spatial learning and memory in male rats, Motamedi, S., Sheibani, V., Rajizadeh, M.A., Esmailpour, K., Sepehri, G., 2019, [Toxin Reviews](#)
- 115-** Apelin-13 attenuates motor impairments and prevents the changes in synaptic plasticity-related molecules in the striatum of Parkinsonism ratsm, Haghparast, E., Sheibani, V., Abbasnejad, M., Esmaili-Mahani, S., 2019, [Peptides](#), 117,170091
- 114-** When thoughts are in a race: area 10 and bipolar disorders, Arjmand, S., Sabahi, A., Sheibani, V., 2019, [Psychiatry Investigation](#), 16(10), pp. 715-717

**113-** [Comparison of Pre-pulse Inhibition, Tactile Discrimination Learning and Barrel Cortical Neural Response in Adult Male Rats following Chronic Exposure to Morphine, Methadone and Buprenorphine.](#)

Shafiei F, Afarinesh MR, Golshan F, Haghpanah T, Sabzalizadeh M, Zangiabadi I, **Sheibani V**.

Physiol Behav. 2019 Oct 14;112694. doi: 10.1016/j.physbeh.2019.112694. [Epub ahead of print]

**112-** [Maternal separation impairs long term-potential in CA3-CA1 synapses in adolescent female rats.](#)

Heydari A, Esmaeilpour K, **Sheibani V**.

Behav Brain Res. 2019 Dec 30;376:112239. doi: 10.1016/j.bbr.2019.112239. Epub 2019 Sep 14.

**111-** [Hippocampal microRNA-191a-5p Regulates BDNF Expression and Shows Correlation with Cognitive Impairment Induced by Paradoxical Sleep Deprivation.](#)

Mohammadipoor-Ghasemabad L, Sangtarash MH, **Sheibani V**, Sasan HA, Esmaeili-Mahani S.

Neuroscience. 2019 Aug 21;414:49-59. doi: 10.1016/j.neuroscience.2019.06.037. Epub 2019 Jul 4.

**110-** [The effects of high intensity exercise on learning and memory impairments followed by combination of sleep deprivation and demyelination induced by etidium bromide.](#)

Rajizadeh MA, **Sheibani V**, Bejeshk MA, Mohtashami Borzadaran F, Saghari H, Esmaeilpour K.

Int J Neurosci. 2019 Dec;129(12):1166-1178. doi: 10.1080/00207454.2019.1640695. Epub 2019 Jul 15.

**109-** [Interaction of music and emotional stimuli in modulating working memory in macaque monkeys.](#)

Zarei SA, **Sheibani V**, Mansouri FA.

Am J Primatol. 2019 Jul;81(7):e22999. doi: 10.1002/ajp.22999. Epub 2019 Jun 27.

**108-** [Abnormal hippocampal miR-1b expression is ameliorated by regular treadmill exercise in the sleep-deprived female rats.](#)

Mohammadipoor-Ghasemabad L, Sangtarash MH, Esmaeili-Mahani S, **Sheibani V**, Sasan HA.

Iran J Basic Med Sci. 2019 May;22(5):485-490. doi: 10.22038/ijbms.2019.31988.7734.

**107-** [Apelin-13 attenuates motor impairments and prevents the changes in synaptic plasticity-related molecules in the striatum of Parkinsonism rats.](#)

Haghparast E, **Sheibani V**, Abbasnejad M, Esmaeili-Mahani S.

Peptides. 2019 Jul;117:170091. doi: 10.1016/j.peptides.2019.05.003. Epub 2019 May 21.

**106- [Amelioration of Prenatal Lead-Induced Learning and Memory Impairments by Methanolic Extract of Zataria Multiflora in Male Rats.](#)**

Taheri F, Sepehri G, **Sheibani V**, Sharififar F.

Basic Clin Neurosci. 2019 Mar-Apr;10(2):175-184. doi: 10.32598/bcn.9.10.105. Epub 2019 Mar 1.

**105- [Neural like cells and acetyl-salicylic acid alter rat brain structure and function following transient middle cerebral artery occlusion.](#)**

Shamsara A, **Sheibani V**, Asadi-Shekaari M, Nematollahi-Mahani SN.

Biomol Concepts. 2018 Dec 26;9(1):155-168. doi: 10.1515/bmc-2018-0014.

**104- [The anticonvulsant effects of Ducrosia anethifolia \(Boiss\) essential oil are produced by its main component alpha-pinene in rats.](#)**

Zamyad M, Abbasnejad M, Esmaeili-Mahani S, Mostafavi A, **Sheibani V**.

Arq Neuropsychiatr. 2019 Feb;77(2):106-114. doi: 10.1590/0004-282X20180147.

**103- [The effects of oxytocin on primates' working memory depend on the emotional valence of contextual factors.](#)**

Zarei SA, **Sheibani V**, Tomaz C, Mansouri FA.

Behav Brain Res. 2019 Apr 19;362:82-89. doi: 10.1016/j.bbr.2018.12.050. Epub 2018 Dec 28.

**102- [Sex differences in sleep and sleep loss-induced cognitive deficits: The influence of gonadal hormones.](#)**

Hajali V, Andersen ML, Negah SS, **Sheibani V**.

Horm Behav. 2019 Feb;108:50-61. doi: 10.1016/j.yhbeh.2018.12.013. Epub 2019 Jan 15. Review.

**101- [Heterogeneous effects of cholecystokinin on neuronal response properties in deep layers of rat barrel cortex.](#)**

Soltani N, Roohbakhsh A, Allahtavakoli M, Salari E, **Sheibani V**, Fatemi I, Shamsizadeh A.

Somatosens Mot Res. 2018 Jun;35(2):131-138. doi: 10.1080/08990220.2018.1490259. Epub 2018 Aug 14.

**100- [Phytohormone Abscisic Acid Protects Human Neuroblastoma SH-SY5Y Cells Against 6-Hydroxydopamine-Induced Neurotoxicity Through Its Antioxidant and Antiapoptotic Properties.](#)**

Rafiepour K, Esmaeili-Mahani S, Salehzadeh A, **Sheibani V**.

Rejuvenation Res. 2018 Oct 6. doi: 10.1089/rej.2018.2062. [Epub ahead of print]

**99- [Low Frequency Stimulation Reverses the Kindling-Induced Impairment of Learning and Memory in the Rat Passive-avoidance Test.](#)**

Esmailpour K, **Sheibani V**, Shabani M, Mirnajafi-Zadeh J, Akbarnejad Z. Basic Clin Neurosci. 2018 Jan-Feb;9(1):51-58. doi: 10.29252/NIRP.BCN.9.1.51.

**98- [Pre-Treatment with Erythropoietin Attenuates Bilateral Renal Ischemia-Induced Cognitive Impairments.](#)**

Tahamtan M, **Sheibani V**, Shid Moosavi SM, Asadi-Shekaari M, Esmaeili-Mahani S, Aghaei I, Shabani M.

Iran J Pharm Res. 2018 Spring;17(2):601-612.

**97- [Genistein attenuates seizure-induced hippocampal brain-derived neurotrophic factor overexpression in ovariectomized rats.](#)**

Khodamoradi M, Ghazvini H, Esmaeili-Mahani S, Shahveisi K, Farnia V, Zhaleh H, Abdoli N, Akbarnejad Z, Saadati H, **Sheibani V**.

J Chem Neuroanat. 2018 Apr;89:43-50. doi: 10.1016/j.jchemneu.2018.03.002. Epub 2018 Mar 7. No abstract available.

**96- [Voluntary exercise impact on cognitive impairments in sleep-deprived intact female rats.](#)**

Rajizadeh MA, Esmailpour K, Masoumi-Ardakani Y, Bejeshk MA, Shabani M, Nakhaee N, Ranjbar MP, Borzadaran FM, **Sheibani V**.

Physiol Behav. 2018 May 1;188:58-66. doi: 10.1016/j.physbeh.2017.12.030. Epub 2018 Jan 31.

**95- [Apelin-13 ameliorates cognitive impairments in 6-hydroxydopamine-induced substantia nigra lesion in rats.](#)**

Haghpast E, Esmaeili-Mahani S, Abbasnejad M, **Sheibani V**.

Neuropeptides. 2018 Apr;68:28-35. doi: 10.1016/j.npep.2018.01.001. Epub 2018 Jan 5.

**94- [Effects of Hydroalcoholic Extract of Soy on Learning, Memory and Synaptic Plasticity Deficits Induced by Seizure in Ovariectomized Rats.](#)**

Khodamoradi M, Asadi-Shekaari M, Esmaeili-Mahani S, Sharififar F, **Sheibani V**.

Basic Clin Neurosci. 2017 Sep-Oct;8(5):395-403. doi: 10.18869/nirp.bcn.8.5.395.

**93- [Effects of Maternal Separation on Nicotine-Induced Conditioned Place Preference and Later Spatial Learning and Memory Function in Adolescent Male Rats.](#)**

Delavari F, **Sheibani V**, Esmailpour K, Esmaeili-Mahani S, Nakhaee N.

Addict Health. 2016 Fall;8(4):261-269.

**92- [Low frequency electrical stimulation has time dependent improving effect on kindling-induced impairment in long-term potentiation in rats.](#)**

Esmailpour K, **Sheibani V**, Shabani M, Mirnajafi-Zadeh J.

Brain Res. 2017 Aug 1;1668:20-27. doi: 10.1016/j.brainres.2017.05.007. Epub 2017 May 19.

**91- [Estrogen and Progesterone Replacement Therapy Prevent Methamphetamine-Induced Synaptic Plasticity Impairment in Ovariectomized Rats.](#)**

Ghazvini H, Shabani M, Asadi-Shekaari M, Khalifeh S, Esmailpour K, Khodamoradi M, **Sheibani V**.

Addict Health. 2016 Jul;8(3):145-156

90-[Characterization of the CA1 pyramidal neurons in rat model of hepatic cirrhosis: insights into their electrophysiological properties.](#)

Tahamtan M, Aghaei I, Pooladvand V, **Sheibani V**, Khaksari M, Shabani M.

Metab Brain Dis. 2017 Mar 7. doi: 10.1007/s11011-017-9966-7. [Epub ahead of print]

89-[Activation of neurotrophins in lumbar dorsal root probably contributes to neuropathic pain after spinal nerve ligation.](#)

Kazemi A, Rahmati M, Eslami R, **Sheibani V**.

Iran J Basic Med Sci. 2017 Jan;20(1):29-35. doi: 10.22038/ijbms.2017.8089.

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