

Vahid Sheibani

Professor of Human Physiology

Department of Physiology and Pharmacology &

Neuroscience Research Center

Kerman University of Medical Science

Kerman, 76175-113, Iran

Tel: +98-341-2264196

Fax: +98-341-2264198

E-mail: v_sheibani@kmu.ac.ir

vsheibani2@yahoo.com

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 (DMTS/NDMTS)

TEACHING EXPERIENCE

- Teaching Neurophysiology for postgraduate students (Physiology, Neuroscience, ...)
- Teaching Medical Neurophysiology for Students of Medicine, Pharmacy, Dentistry

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) 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

Research Performance:

- **Scopus H-index: 18**
- **Number of Articles: 121**
- **Scopus Citation Number: 1016**
- **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)

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 Abscissic 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.](#)

Esmaeilpour 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, Esmaeilpour 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.](#)

Haghpour 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, Esmaili-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, Esmaili-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.

88-[Acetylcholinesterase Inhibitor Improves Learning and Memory Impairment Induced by *Toxoplasma gondii* Infection.](#)

Mahmoudvand H, **Sheibani V**, Keshavarz H, Shojaee S, Esmailpour K, Ziaali N.
Iran J Parasitol. 2016 Apr-Jun;11(2):177-185.

87-[Apelin-13 protects rat primary cortical glia-neuron co-culture against pentylentetrazole-induced toxicity.](#)

Kalantaripour TP, Esmaili-Mahani S, **Sheibani V**, Najafipour H, Asadi-Shekaari M M.
Biomed Pharmacother. 2017 Mar;87:661-668. doi: 10.1016/j.biopha.2016.12.131. Epub 2017 Jan 12.

86-[Effects of maternal separation on nicotine-induced conditioned place preference and subsequent learning and memory in adolescent female rats.](#)

Dalaveri F, Nakhaee N, Esmaeilpour K, Mahani SE, **Sheibani V**.

Neurosci Lett. 2017 Feb 3;639:151-156. doi: 10.1016/j.neulet.2016.11.059. Epub 2016 Dec 5.

85-[Maternal Separation and the Risk of Drug Abuse in Later Life.](#)

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

Addict Health. 2016 Apr;8(2):107-114. Review.

84-[Effect of low frequency electrical stimulation on seizure-induced short- and long-term impairments in learning and memory in rats.](#)

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

Physiol Behav. 2017 Jan 1;168:112-121. doi: 10.1016/j.physbeh.2016.11.001. Epub 2016 Nov 5.

83-[Anticonvulsant and neuroprotective effects of apelin-13 on pentylenetetrazole-induced seizures in male rats.](#)

Kalantaripour TP, Esmaeili-Mahani S, **Sheibani V**, Asadi-Shekaari M, Pasban-Aliabadi H.

Biomed Pharmacother. 2016 Dec;84:258-263. doi: 10.1016/j.biopha.2016.09.048. Epub 2016 Sep 21.

82-[Cannabinoid type 1 receptor antagonism ameliorates harmaline-induced essential tremor in rat.](#)

Abbassian H, Whalley BJ, **Sheibani V**, Shabani M.

Br J Pharmacol. 2016 Nov;173(22):3196-3207. doi: 10.1111/bph.13581. Epub 2016 Oct 4.

81-[The Effects of Methanolic Extract of Melissa officinalis on Experimental Gastric Ulcers in Rats.](#)

Saberi A, Abbasloo E, Sepehri G, Yazdanpanah M, Mirkamandari E, **Sheibani V**, Safi Z.

Iran Red Crescent Med J. 2016 May 15;18(7):e24271. doi: 10.5812/ircmj.24271. eCollection 2016 Jul.

80-[Toxoplasma gondii Infection Potentiates Cognitive Impairments of Alzheimer's Disease in the BALB/c Mice.](#)

Mahmoudvand H, **Sheibani V**, Shojaei S, Mirbadie SR, Keshavarz H, Esmaeilpour K, Keyhani AR, Ziaali N.

J Parasitol. 2016 Dec;102(6):629-635. doi: 10.1645/16-28. Epub 2016 Aug 11.

79-[Erythropoietin attenuates motor impairments induced by bilateral renal ischemia/reperfusion in rats.](#)

Tahamtan M, Moosavi SM, Sheibani V, Nayeypour M, Esmaeili-Mahani S, Shabani M. Fundam Clin Pharmacol. 2016 Jul 30. doi: 10.1111/fcp.12226. [Epub ahead of print]

78-[Cannabinoid receptor agonism suppresses tremor, cognition disturbances and anxiety-like behaviors in a rat model of essential tremor.](#)

Abbassian H, Esmaeili P, Tahamtan M, Aghaei I, Vaziri Z, Sheibani V, Whalley BJ, Shabani M. Physiol Behav. 2016 Jun 15;164(Pt A):314-320. doi: 10.1016/j.physbeh.2016.06.013. [Epub ahead of print]

77-[Low-frequency electrical stimulation enhances the effectiveness of phenobarbital on GABAergic currents in hippocampal slices of kindled rats.](#)

Asgari A, Semnanian S, Atapour N, Shojaei A, Moradi-Chameh H, Ghafouri S, **Sheibani V**, Mirnajafi-Zadeh J.

Neuroscience. 2016 Aug 25;330:26-38. doi: 10.1016/j.neuroscience.2016.05.038. Epub 2016 May 26.

76-[Effects of genistein on cognitive dysfunction and hippocampal synaptic plasticity impairment in an ovariectomized rat kainic acid model of seizure.](#)

Khodamoradi M, Asadi-Shekaari M, Esmaeili-Mahani S, Esmaeilpour K, **Sheibani V**.

Eur J Pharmacol. 2016 May 24;786:1-9. doi: 10.1016/j.ejphar.2016.05.028. [Epub ahead of print]

75-[Neurosteroid allopregnanolone attenuates cognitive dysfunctions in 6-OHDA-induced rat model of Parkinson's disease.](#)

Nezhadi A, **Sheibani V**, Esmaeilpour K, Shabani M, Esmaeili-Mahani S.

Behav Brain Res. 2016 May 15;305:258-64. doi: 10.1016/j.bbr.2016.03.019. Epub 2016 Mar 10.

74-[Effects of treatment with estrogen and progesterone on the methamphetamine-induced cognitive impairment in ovariectomized rats.](#)

Ghazvini H, Khaksari M, Esmaeilpour K, Shabani M, Asadi-Shekaari M, Khodamoradi M, **Sheibani V**.

Neurosci Lett. 2016 Apr 21;619:60-7. doi: 10.1016/j.neulet.2016.02.057. Epub 2016 Mar 2.

73-[The possible association between Toxoplasma gondii infection and risk of anxiety and cognitive disorders in BALB/c mice.](#)

Mahmoudvand H, Ziaali N, Aghaei I, **Sheibani V**, Shojaee S, Keshavarz H, Shabani M. Pathog Glob Health. 2015;109(8):369-76. doi: 10.1080/20477724.2015.1117742.

72-[Numerical distance effect in patients with schizophrenia.](#)

Pourrahimi AM, Mazhari S, Shabani M, Tabrizi YM, **Sheibani V**. Neurosci Lett. **2016** Feb 1;617:1-5. doi: 10.1016/j.neulet.2016.01.065. [Epub ahead of print]

71-[Alterations in the intrinsic electrophysiological properties of Purkinje neurons in a rat model of hepatic encephalopathy: Relative preventing effect of PPAR \$\gamma\$ agonist.](#)

Aghaei I, Hajali V, Dehpour A, Haghani M, **Sheibani V**, Shabani M. Brain Res Bull. **2015** Dec 17;121:16-25. doi: 10.1016/j.brainresbull.2015.12.002. [Epub ahead of print]

70-[Toxoplasma gondii Infection Promotes Neuroinflammation Through Cytokine Networks and Induced Hyperalgesia in BALB/c Mice.](#)

Mahmoudvand H, Ziaali N, Ghazvini H, Shojaee S, Keshavarz H, Esmaeilpour K, **Sheibani V**. Inflammation. **2016** Feb;39(1):405-12. doi: 10.1007/s10753-015-0262-6.

69-[Arrhythmogenic Risk Assessment Following Four-Week Pretreatment With Nicotine and Black Tea in Rat.](#)

Joukar S, **Sheibani V**, Koushesh F, Ghasemipour Afshar E, Ghorbani Shahrabaki S. Res Cardiovasc Med. 2015 Aug 1;4(3):e27088. doi: 10.5812/cardiovascmed.27088v2. eCollection **2015** Aug.

68-[The compensatory effect of regular exercise on long-term memory impairment in sleep deprived female rats.](#)

Salari M, **Sheibani V**, Saadati H, Pourrahimi A, khaksarihadad M, Esmaeelpour K, Khodamoradi M. Behav Processes. **2015** Oct;119:50-7. doi: 10.1016/j.beproc.2015.06.014. Epub 2015 Jul 17.

67-[Coadministration of the Human Umbilical Cord Matrix-Derived Mesenchymal Cells and Aspirin Alters Postischemic Brain Injury in Rats.](#)

Shams Ara A, Sheibani V, Esmaeilpour K, Eslaminejad T, Nematollahi-Mahani SN. J Stroke Cerebrovasc Dis. **2015** Jul 2. pii: S1052-3057(15)00323-7. doi: 10.1016/j.jstrokecerebrovasdis.2015.04.049. [Epub ahead of print]

66-[Effect of castration on the susceptibility of male rats to the sleep deprivation-induced impairment of behavioral and synaptic plasticity.](#)

Hajali V, Sheibani V, Ghazvini H, Ghadiri T, Valizadeh T, Saadati H, Shabani M.
Neurobiol Learn Mem. **2015** Jun 12;123:140-148. doi: 10.1016/j.nlm.2015.05.008. [Epub ahead of print]

65-[Changes in hippocampal orexin 1 receptor expression involved in tooth pain-induced learning and memory impairment in rats.](#)

Raoof R, Esmaili-Mahani S, Abbasnejad M, Raoof M, Sheibani V, Kooshki R, Amirkhosravi L, Rafie F.
Neuropeptides. **2015** Apr;50:9-16. doi: 10.1016/j.npep.2015.03.002. Epub 2015 Mar 12.

64-[Ovariectomy does not exacerbate the negative effects of sleep deprivation on synaptic plasticity in rats.](#)

Hajali V, Sheibani V, Mahani SE, Hajializadeh Z, Shabani M, Aliabadi HP, Saadati H, Esmailpour K.
Physiol Behav. **2015** May 15;144:73-81. doi: 10.1016/j.physbeh.2015.03.010. Epub 2015 Mar 6.

63-[The effects of co-administration of opium and morphine with nicotine during pregnancy on spatial learning and memory of adult male offspring rats.](#)

Sepehri G, Parsania S, Hajzadeh MA, Haghpanah T, Sheibani V, Divsalar K, Shekarforoush S, Afarinesh MR.
Iran J Basic Med Sci. **2014** Sep;17(9):694-701.

62-[The therapeutic potential of Berberine chloride hydrate against harmaline-induced motor impairments in a rat model of tremor.](#)

Vaziri Z, Abbassian H, Sheibani V, Haghani M, Nazeri M, Aghaei I, Shabani M.
Neurosci Lett. **2015** Mar 17;590:84-90. doi: 10.1016/j.neulet.2015.01.078. Epub 2015 Jan 30.

61-[Prior regular exercise reverses the decreased effects of sleep deprivation on brain-derived neurotrophic factor levels in the hippocampus of ovariectomized female rats.](#)

Saadati H, Sheibani V, Esmaeili-Mahani S, Darvishzadeh-Mahani F, Mazhari S.

Regul Pept. **2014 Nov**;194-195:11-5. doi: 10.1016/j.regpep.2014.11.004. Epub 2014 Nov 20.

60-[Exercise improves learning and memory impairments in sleep deprived female rats.](#)

Saadati H, Esmaeili-Mahani S, Esmailpour K, Nazeri M, Mazhari S, Sheibani V.

Physiol Behav. **2015 Jan**;138:285-91. doi: 10.1016/j.physbeh.2014.10.006. Epub 2014 Oct 20.

59-[Prior regular exercise prevents synaptic plasticity impairment in sleep deprived female rats.](#)

Saadati H, Sheibani V, Esmaeili-Mahani S, Hajali V, Mazhari S.

Brain Res Bull. **2014 Sep**;108:100-5. doi: 10.1016/j.brainresbull.2014.09.009. Epub 2014 Sep 28.

58-[Single and repeated ultra-rapid detoxification prevents cognitive impairment in morphine addicted rats: a privilege for single detoxification.](#)

Ghamati L, Hajali V, Sheibani V, Esmailpour K, Sepehri G, Shojaei M.

Addict Health. **2014 Winter**;6(1-2):54-64.

57-[Maternal feeding with walnuts \(*Juglans regia*\) improves learning and memory in their adult pups.](#)

Asadi-Shekaari M, Karimi A, Shabani M, Sheibani V, Esmailpour K.

Avicenna J Phytomed. **2013 Fall**;3(4):341-6.

56-[Endurance training increases brain lactate uptake during hypoglycemia by up regulation of brain lactate transporters.](#)

Aveseh M, Nikooie R, Sheibani V, Esmaeili-Mahani S.

Mol Cell Endocrinol. **2014 Aug** 25;394(1-2):29-36. doi: 10.1016/j.mce.2014.06.019. Epub 2014 Jul 5.

55-[Inhibitory effect of Thymus caramanicus Jalas on hyperglycemia-induced apoptosis in in vitro and in vivo models of diabetic neuropathic pain.](#)

Hajializadeh Z, Nasri S, Kaeidi A, **Sheibani V**, Rasoulilian B, Esmaeili-Mahani S.

J Ethnopharmacol. **2014 Mar** 18. pii: S0378-8741(14)00175-5. doi: 10.1016/j.jep.2014.02.049. [Epub ahead of print]

54-[Abnormalities of motor imagery and relationship with depressive symptoms in mildly disabling relapsing-remitting multiple sclerosis.](#)

Tabrizi YM, Mazhari S, Nazari MA, Zangiabadi N, **Sheibani V**.

J Neurol Phys Ther. **2014 Apr**;38(2):111-8. doi: 10.1097/NPT.0000000000000033.

53-[An evidence for lack of pseudoneglect in patients with schizophrenia: an ERP study.](#)

Pourrahimi AM, Mazhari S, Shabani M, **Sheibani V**.

Neurosci Lett. **2014 Feb** 21;561:96-100. doi: 10.1016/j.neulet.2013.12.029. Epub 2014 Jan 6.

52-[Alterations in the intrinsic burst activity of Purkinje neurons in offspring maternally exposed to the CB1 cannabinoid agonist WIN 55212-2.](#)

Shabani M, Mahnam A, **Sheibani V**, Janahmadi M.

J Membr Biol. **2014 Jan**;247(1):63-72. doi: 10.1007/s00232-013-9612-1. Epub 2013 Nov 12.

51-[Effects of progesterone on neuropathic pain responses in an experimental animal model for peripheral neuropathy in the rat: a behavioral and electrophysiological study.](#)

Jarahi M, **Sheibani V**, Safakhah HA, Torkmandi H, Rashidy-Pour A.

Neuroscience. **2014 Jan** 3;256:403-11. doi: 10.1016/j.neuroscience.2013.10.043. Epub 2013 Oct 31.

50-[Neurosteroid allopregnanolone attenuates high glucose-induced apoptosis and prevents experimental diabetic neuropathic pain: in vitro and in vivo studies.](#)

Afrazi S, Esmaeili-Mahani S, **Sheibani V**, Abbasnejad M.

J Steroid Biochem Mol Biol. **2014 Jan**;139:98-103. doi: 10.1016/j.jsbmb.2013.10.010. Epub 2013 Oct 28.

49-[Study the antinociceptive effect of intracerebroventricular injection of aqueous extract of *origanum vulgare* leaves in rat: possible involvement of opioid system.](#)

Pahlavan Y, Sepehri G, **Sheibani V**, Afarinesh Khaki M, Gojazadeh M, Pahlavan B, Pahlavan F.

Iran J Basic Med Sci. **2013 Oct**;16(10):1109-13.

48 -[The Role of Capsaicin-induced Acute Inactivation of C-fibers on Tactile Learning in Rat.](#)

Rahmani M, Rajabi S, Allahtavakoli M, Roohbakhsh A, **Sheibani V**, Shamsizadeh A.

Iran J Basic Med Sci. **2013 Feb**;16(2):129-33.

47-[Antinociceptive Effect of Aqueous Extract of *Origanum vulgare* L. in Male Rats: Possible Involvement of the GABAergic System.](#)

Afarineshe Khaki MR, Pahlavan Y, Sepehri G, **Sheibani V**, Pahlavan B.

Iran J Pharm Res. **2013 Spring**;12(2):407-13.

46-[Novel coumarin-3-carboxamides bearing N-benzylpiperidine moiety as potent acetylcholinesterase inhibitors.](#)

Asadipour A, Alipour M, Jafari M, Khoobi M, Emami S, Nadri H, Sakhteman A, Moradi A, **Sheibani V**, Homayouni Moghadam F, Shafiee A, Foroumadi A.

Eur J Med Chem. **2013 Dec**;70:623-30. doi: 10.1016/j.ejmech.2013.10.024. Epub 2013 Oct 23.

45-[Protective effect of orexin-A on 6-hydroxydopamine-induced neurotoxicity in SH-SY5Y human dopaminergic neuroblastoma cells.](#)

Esmaeili-Mahani S, Vazifekhhah S, Pasban-Aliabadi H, Abbasnejad M, **Sheibani V**.

Neurochem Int. **2013 Dec**;63(8):719-25. doi: 10.1016/j.neuint.2013.09.022. Epub 2013 Oct 14.

44-[Susceptibility to life-threatening ventricular arrhythmias in an animal model of paradoxical sleep deprivation.](#)

Joukar S, Ghorbani-Shahrbabaki S, Hajali V, **Sheibani V**, Naghsh N.

Sleep Med. **2013 Dec**;14(12):1277-82. doi: 10.1016/j.sleep.2013.07.008. Epub **2013** Sep 8.

43-[The Effect of Opium Dependency of Parent \(s\) on Offspring's Spatial Learning & Memory in Adult Male Rats.](#)

Saberi Moghadam A, Sepehri G, **Sheibani V**, Haghpanah T, Divsalar K, Hajzadeh MA, Afarineshkhaki M.

Iran J Basic Med Sci. **2013 May**;16(5):694-9.

42-[Satureja khuzestanica attenuates apoptosis in hyperglycemic PC12 cells and spinal cord of diabetic rats.](#)

Kaeidi A, Esmaeili-Mahani S, Abbasnejad M, **Sheibani V**, Rasoulilian B, Hajjalizadeh Z, Pasban-Aliabadi H.

J Nat Med. **2013 Jan**;67(1):61-9. doi: 10.1007/s11418-012-0646-y. Epub 2012 Mar 2.

41 -[Satureja khuzestanica prevents the development of morphine analgesic tolerance through suppression of spinal glial cell activation in rats.](#)

Esmaeili-Mahani S, Ebrahimi B, Abbasnejad M, Rasouljan B, **Sheibani V**.

J Nat Med. **2013 Aug** 14. [Epub ahead of print]

40-[Compromised motor imagery ability in individuals with multiple sclerosis and mild physical disability: An ERP study.](#)

Tabrizi YM, Mazhari S, Nazari MA, Zangiabadi N, **Sheibani V**, Azarang S.

Clin Neurol Neurosurg. **2013 Sep**;115(9):1738-44. doi: 10.1016/j.clineuro.2013.04.002. Epub 2013 Apr 29.

39-[5,6-Dimethoxybenzofuran-3-one derivatives: a novel series of dual Acetylcholinesterase/Butyrylcholinesterase inhibitors bearing benzyl pyridinium moiety.](#)

Nadri H, Pirali-Hamedani M, Moradi A, Sakhteman A, Vahidi A, **Sheibani V**, Asadipour A, Hosseinzadeh N, Abdollahi M, Shafiee A, Foroumadi A.

Daru. **2013 Feb** 27;21(1):15. doi: 10.1186/2008-2231-21-15.

38-[Exercise-induced morphine insensitivity is accompanied with a decrease in specific G-protein subunits gene expression in rats.](#)

Esmaeili-Mahani S, Ebrahimi Z, Noraie T, **Sheibani V**, Hajializadeh Z.

Pharmacol Biochem Behav. **2013 Apr**;105:128-33. doi: 10.1016/j.pbb.2013.02.005. Epub 2013 Feb 18.

37-[Inhibition of 6-hydroxydopamine-induced PC12 cell apoptosis by olive \(*Olea europaea* L.\) leaf extract is performed by its main component oleuropein.](#)

Pasban-Aliabadi H, Esmaili-Mahani S, **Sheibani V**, Abbasnejad M, Mehdizadeh A, Yaghoobi MM.

Rejuvenation Res. **2013 Apr**;16(2):134-42. doi: 10.1089/rej.2012.1384.

36-[Pharmacological blockade of TRPV1 receptors modulates the effects of 6-OHDA on motor and cognitive functions in a rat model of Parkinson's disease.](#)

Razavinasab M, Shamsizadeh A, Shabani M, Nazeri M, Allahtavakoli M, Asadi-Shekaari M, Esmaili-Mahani S, **Sheibani V**.

Fundam Clin Pharmacol. **2012 Nov** 5. doi: 10.1111/fcp.12015. [Epub ahead of print]

35-[Ginger \(*Zingiber officinale* Roscoe\) prevents the development of morphine analgesic tolerance and physical dependence in rats.](#)

Darvishzadeh-Mahani F, Esmaili-Mahani S, Komeili G, **Sheibani V**, Zare L.

J Ethnopharmacol. **2012 Jun** 14;141(3):901-7. doi: 10.1016/j.jep.2012.03.030. Epub 2012 Mar 26.

34-[Oleuropein, chief constituent of olive leaf extract, prevents the development of morphine antinociceptive tolerance through inhibition of morphine-induced L-type calcium channel overexpression.](#)

Zare L, Esmaeili-Mahani S, Abbasnejad M, Rasoulzadeh B, **Sheibani V**, Sahraei H, Kaeidi A.

Phytother Res. **2012 Nov**;26(11):1731-7. doi: 10.1002/ptr.4634. Epub 2012 Mar 15.

33-[Effect of DSP-4 induced central noradrenergic depletion on tactile learning in rat.](#)

Rajabi S, Shamsizadeh A, Amini H, Shirazi M, Allahtavakoli M, Abbasnejad M, **Sheibani V**.

Neurol Res. **2012 Jan**;34(1):80-4. doi: 10.1179/1743132811Y.00000000050.

32-[Female rats are more susceptible to the deleterious effects of paradoxical sleep deprivation on cognitive performance.](#)

Hajali V, **Sheibani V**, Esmaeili-Mahani S, Shabani M.

Behav Brain Res. **2012 Mar** 17;228(2):311-8. doi: 10.1016/j.bbr.2011.12.008. Epub 2011 Dec

31-[Reliability and validity of the Persian version of the Pittsburgh Sleep Quality Index \(PSQI-P\).](#)

Farrahi Moghaddam J, Nakhaee N, **Sheibani V**, Garrusi B, Amirkafi A.

Sleep Breath. **2012 Mar**;16(1):79-82. doi: 10.1007/s11325-010-0478-5. Epub 2011 May 26.

30-[Date fruit extract is a neuroprotective agent in diabetic peripheral neuropathy in streptozotocin-induced diabetic rats: a multimodal analysis.](#)

Zangiabadi N, Asadi-Shekaari M, **Sheibani V**, Jafari M, Shabani M, Asadi AR, Tajadini H, Jarahi M.

Oxid Med Cell Longev. **2011**;2011:976948. doi: 10.1155/2011/976948. Epub 2011 Dec 1.

29-[The effect of chronic co-administration of morphine and verapamil on isoproterenol-induced heart injury.](#)

Joukar S, Najafipour H, Dabiri S, **Sheibani V**, Esmaeili-Mahani S, Ghotbi P, Amanallahi F, Joukar F.

Cardiovasc Hematol Agents Med Chem. **2011 Oct**;9(4):218-24.

28-[Olive \(Olea europaea L.\) leaf extract attenuates early diabetic neuropathic pain through prevention of high glucose-induced apoptosis: in vitro and in vivo studies.](#)

Kaeidi A, Esmaeili-Mahani S, **Sheibani V**, Abbasnejad M, Rasouljan B, Hajializadeh Z, Afrazi S.

J Ethnopharmacol. **2011 Jun** 14;136(1):188-96. doi: 10.1016/j.jep.2011.04.038. Epub 2011 Apr 22.

27-[Investigating the effects of adult neural stem cell transplantation by lumbar puncture in transient cerebral ischemia.](#)

Seyed Jafari SS, Ali Aghaei A, Asadi-Shekaari M, Nematollahi-Mahani SN, **Sheibani V**.

Neurosci Lett. **2011 May** 9;495(1):1-5. doi: 10.1016/j.neulet.2011.02.025. Epub 2011 Feb 17.

26-[Maternal Exposure to the CB1 Cannabinoid Agonist Win 55212-2 Produces Robust Changes in Motor Function and Intrinsic Electrophysiological Properties of Cerebellar Purkinje Neurons in Rat Offspring.](#)

Mohammad Shabani , Narges Hosseinmardi, Masoud Haghani, Vahid Sheibani, Mahyar Janahmadi.

Neuroscience, **2011**, 139-152.

25-[Synthesis of 1-Benzyl-4-\[2-\(3-thienylcarbonylamino\)ethyl\]piperidine as a Novel Potential Cholinesterase Inhibitor](#)

Mahsa Alizadeh, Loghman Firouzpour, **Vahid Sheibani**, Diba Nabardi, Amirhossein Sakhteman, Asghar Davood, Abbas Shafiee, Alireza Foroumadi

Asian Journal of Chemistry, **2011**,

24-[Synthesis of 1-Benzyl-4-\[2-\(5-phenyl-1,3,4-thiadiazole-2-yl\)aminoethyl\]piperidine as Potential Alzheimer's Disease Modifying Agent](#)

Diba Nabardi, Loghman Firouzpour, Ali Asadipour, **Vahid Sheibani**, Mahsa Alizadeh, Asghar Davood, Abbas Shafiee, Alireza Foroumadi

Asian Journal of Chemistry, **2011**, 23

23-[Effects of Melatonin in Prevention of Neuropathy in STZ-Induced Diabetic Rats;](#)

Nasser Zangiabadi, **Vahid Sheibani**, Majid Asadi, Mohamad Shabani, Mandana Jafari

American Journal of Pharmacology and Toxicology, **2011**, 59-67

22-[Effects of electrical stimulation of dorsal raphe nucleus on neuronal response properties of barrel cortex layer IV neurons following long-term sensory deprivation.](#)

Sheikhkanlou-Milan H, **Sheibani V**, Afarinesh M, Esmaeili-Mahani S, Shamsizadeh A, Sepehri G.

Neurosci Bull. **2010 Oct**;26(5):388-94.

21-[Olive \(*Olea europaea* L.\) leaf extract elicits antinociceptive activity, potentiates morphine analgesia and suppresses morphine hyperalgesia in rats.](#)

Esmaeili-Mahani S, Rezaeezadeh-Roukerd M, Esmailpour K, Abbasnejad M, Rasouljan B, **Sheibani V**, Kaeidi A, Hajializadeh Z.

J Ethnopharmacol. **2010 Oct** 28;132(1):200-5. doi: 10.1016/j.jep.2010.08.013. Epub 2010 Aug 14.

20-[Design, synthesis and anticholinesterase activity of a novel series of 1-benzyl-4-\(\(6-alkoxy-3-oxobenzofuran-2\(3H\)-ylidene\) methyl\) pyridinium derivatives.](#)

Nadri H, Pirali-Hamedani M, Shekarchi M, Abdollahi M, **Sheibani V**, Amanlou M, Shafiee A, Foroumadi A.

Bioorg Med Chem. **2010 Sep** 1;18(17):6360-6. doi: 10.1016/j.bmc.2010.07.012. Epub 2010 Jul 30.

19-[Neonatal capsaicin treatment modulates experience-dependent plasticity in the rat barrel cortex.](#)

Sheibani V, Shamsizadeh A, Afarinesh MR, Rezvani ME.

J Comp Neurol. **2010 Sep** 1;518(17):3427-38. doi: 10.1002/cne.22384.

18-[The intracerebroventricular \(ICV\) administration of W-7, a calmodulin inhibitor, attenuates the development of morphine tolerance in rats.](#)

Sepehri G, **Sheibani V**, Azarang A, Shamsizadeh A, Afarinesh MR, Azizollahi S, Sepehri E.

Pak J Pharm Sci. **2010 Apr**;23(2):170-4.

17-[Changes in the gene expression of specific G-protein subunits correlate with morphine insensitivity in streptozotocin-induced diabetic rats.](#)

Hajializadeh Z, Esmaeili-Mahani S, **Sheibani V**, Kaeidi A, Atapour M, Abbasnejad M.

Neuropeptides. **2010 Aug**;44(4):299-304. doi: 10.1016/j.npep.2010.02.004. Epub 2010 Mar 23.

16-[Light deprivation improves melatonin related suppression of hippocampal plasticity.](#)

Talaei SA, **Sheibani V**, Salami M.

Hippocampus. **2010 Mar**;20(3):447-55. doi: 10.1002/hipo.20650.

15-[The Effects of W7, a Specific Calmodulin Inhibitor, to the Antinociceptive Effects of Morphine in Adrenalectomized Rats](#)

Gholamreza Sepehri, Keyvan Yaghoubi, **Vahid Sheibani**, Ali Shamsizadeh, Mohamad Khaksari
American Journal of Pharmacology and Toxicology, **2010**, 5(2)

14-[Serine/threonine protein phosphatases have no role in the inhibitory effects of low-frequency stimulation in perforant path kindling acquisition in rats.](#)

Sadegh M, Mirnajafi-Zadeh J, **Sheibani V**.

Neurosci Lett. **2009 Feb** 27;451(3):266-9. doi: 10.1016/j.neulet.2009.01.001. Epub 2009 Jan 8.

13-[Psychometric properties of the Persian version of the Pittsburgh Sleep Quality Index addendum for PTSD \(PSQI-A\).](#)

Farrahi J, Nakhaee N, **Sheibani V**, Garrusi B, Amirkafi A.

Sleep Breath. **2009 Aug**;13(3):259-62. doi: 10.1007/s11325-008-0233-3. Epub 2008 Nov 21.

12- [Synthesis and anticonvulsant activity of 4-\(2-phenoxyphenyl\) semicarbazones](#),
Abbas Shafiee ,Ardeshir Rineh ,Abbas Kebriaeezadeh ,Alireza Foroumadi ,**Vahid Sheibani** ,
Mohammad Reza Afarinesh.
Med Chem Res (**2009**) 18:758–769

11-Neuroprotective [Effect of Post Ischemic Treatment of Acetylsalicylic Acid on CA1 Hippocampus Neuron and Spatial Learning in Transient MCA Occlusion in Rat](#),
Eftekhari Vaghefi, H., Shahedi A., **Sheibani V.**, Abbasnejad M., Malekpour R., Behnam
B. and Vakili A.,
Journal Medical of Science (JMS) 8(4):35-363, **2008**

10-[Effect of chronic morphine exposure on response properties of rat barrel cortex neurons.](#)

Afarinesh MR, **Sheibani V**, Arabzadeh S, Shamsizadeh A.

Addict Biol. **2008 Mar**;13(1):31-9. doi: 10.1111/j.1369-1600.2007.00087.x. Epub 2008 Jan 14.

9-[Synthesis and anticonvulsant activity of novel 2 –amino-5-\[4-chloro-2-\(2-chlorophenoxy\) phenyl\] -1,3,4-thiadiazole derivatives](#)

A. Foroumadi, V. Sheibani, R. Farazifard, A. Sakhteman, A. Rameshk, M. Abbasi. M. Tabatabai, S.A. Shafiee,

Daru Vol.15, no.2, 2007

8-[Single whisker experience started on postnatal days 0, 5 or 8 changes temporal characteristics of response integration in layers IV and V of rat barrel cortex neurons.](#)

Shamsizadeh A, **Sheibani V**, Arabzadeh S, Afarinesh MR, Farazifard R, Noorbakhsh SM, Fathollahi Y.

Brain Res Bull. 2007 Sep 14;74(1-3):29-36. Epub 2007 May 25.

7-[Electrical stimulation of locus coeruleus strengthens the surround inhibition in layer V barrel cortex in rat.](#)

Motaghi S, **Sheibani V**, Farazifard R, Joneidi H.

Neurosci Lett. 2006 Jul 3;401(3):280-4. Epub 2006 Apr 4.

6-[Dorsal raphe nucleus stimulation modulates the response of layers IV and V barrel cortical neurons in rat.](#)

Sheibani V, Farazifard R.

Brain Res Bull. 2006 Feb 15;68(6):430-5. Epub 2005 Oct 12.

5-[The Effects of morphine on cerebral blood flow and its neuroprotective or cell damage before and after brain ischemia reperfusion in rabbits](#)

H. Eskandari, K. Ashraf Ganjouie, M. Mireskandari, H. Ziaadiny, V. Sheibani, N. Ashraf Ganjouie,
International Journal of Pharmacology, 2(6) :613-617, **2006**

4-Effect of L-NAME/L-Arginine Meicroinjection into Nucleus Accumbens Shell on Morphine Withdrawal Signs in Male Rats,

G. Sepehri, **V. Sheibani**, F. Baghaiee, R. Farazifard,
International Journal of Pharmacology 2(2) :171-176 **2006**.

3-Proposal of a New Modified Injection Method for Development of Morphine Dependency in Male Rats,

G. Sepehri, **V. Sheibani**, F. Baghaiee, R. Farazifard,
International Journal of Pharmacology 2(2) :177-180 , **2006**.

2-Eye-wiping test: a sensitive animal model for acute trigeminal pain studies.

Farazifard R, Safarpour F, **Sheibani V**, Javan M.

Brain Res Brain Res Protoc. **2005 Dec**;16(1-3):44-9. Epub 2005 Nov 22.

1-Correlation of the intraocular pressure with increase intracranial pressure in rabbit

H. Eskandari, A. Hamzeimoghadam, E. Fatolahpour, **V. Sheibani**,
Acta Medica Iranica 38 (1) : 4-6,**2000**.

NATIONAL PAPER

1-Antiapoptotic Effects of Aspirin on CA1 Pyramidal Neurons in Adult Rats

Parisima Behbahani, Ali Shams Ara, **Vahid Sheibani**, Masoud Ezzat Abadi, Hassan Eftekhari Vaghefi, Majid Asadi

Iranian Journal of Pathology, **2011**, Fall, **4**

2-Evaluation of Origanum Vulgare L. ssp. Viridis Leaves Extract Effect on Discrimination Learning and LTP Induction in the CA1 Region of the Rat Hippocampus

Vahid Sheibani, Mohamadreza Afarinesh, Mehdi Abbasnejad, Tahere Haghpanah, Raziye Arabnejad

Iran J Basic Med Sci, **2011**, March, **14**

3-Synthesis of Two Novel 3-Amino-5-[4-chloro-2 phenoxyphenyl]-4H-1,2,4-triazole with anticonvulsant activity.

M. Mahdavi, T. Akbarzadeh, **V Sheibani**, M. Abbasi, L. Phirouzpour, A. Tabatabaei, A. Shafiei, A. Foroumadi.

Iranian Journal of Pharmaceutical Research, **2010**, Jan, **9**.

4-Changes in the Gene Expression of $\beta 1$ and $\beta 2$ Integrins Following Development of Tolerance to Analgesic Effect of Morphine in Rats

Jamal Ghorbi, Mohamad Javan, **Vahid Sheibani**

Yakhteh Medical journal, **2010**, winter, **4**

5-Does Exercise Deprivation Increase the Tendency Towards Morphine Dependence in Rats?

Mohamadreza Nakhaee, **Vahid Sheibani**, Kourosh Ghahreman, Hamid Marefati, Sareh Bahreinifar, Nozar Nakhaee

Addiction and Health, **2010**, Autumn, 2

6- Synthesis of 3-Amino-5-[4-chloro-2-(2-fluorophenoxy)phenyl]-4H-1,2,4-triazole with anticonvulsant activity.

M. Mahdavi, T. Akbarzadeh, V Sheibani, M. Abbasi, L.Phirouzpour, A.Tabatabaei, A.Shafiei, A. Foroumadi.

Iranian Journal of Pharmaceutical Research, **2010**, 265-269

7-Knowledge of Dentistry, Medicine, and Pharmacy Students about Psychedelic Drugs in Kerman University of Medical Sciences

Akram Nakhaee, Amirreza ghasemi, Zahra Torshizi, Nazanin Ebrahimi, Najme rostami, Zohre Karimzadeh, Asiye Sanjaripour, **Vahid Sheibani**

Addiction and Health, **2009**, Fall, 2

8-Effect of norepinephrine depletion on induction of experience dependent plasticity in male rat's barrel cortex.

Vahid Sheibani, Somaye Arabzadeh, Mohammad Reza Afarinesh-Khaki, Ali Shamsi Zade, Hossein Aminzade, Saeed Azizolahi,
Physiology and Pharmacology, 11(4):244-51, **2008**

9-Interaction of light deprivation and melatonin on LTP induction in CA1 Area of Rat's hippocampus.

Seyyed Alireza Talaei Zavareh, Vahid Sheibani, Mahmoud Salami.

Feizjournal of kashan university of medical sciences, 11(3): 36-44, **2007**

10-The Role of Adenosine A1 Receptors in Post Seizure Depression Period in Rats.

Tahereh Zeinali, Javad Minajafi-Zadeh, Vahid Sheibani, Mehdi Abbasnejad, Mohammad Reza Palizvan.

Physiology and Pharmacology, 11(3): 174-81, **2007**

11-Effect of GABAB Agonist and Antagonist Microinjection into Cuneiformis Nucleus (CNF) on Morphine Induced Antioiception by Formalin Test in Rat.

M. Rezvanipour, V. Sheibani, M. Bakhshesh,

Journal of Rafsanjan University of Medical Sciences, 6(2):101-108,**2007**

12-Possible role for Integrins in Development of tolerance to analgesic effect of morphine in Rats.

Jamal Ghorbi, Mohammad Javan, Vahid Sheibani, Leila Satarian, Amir Zarebkohan.

Physiology and Pharmacology,11(2):115-22,**2007**

13-Neuronal Response Properties of Somatosensory Cortex (Layer IV) are modulated following Experience dependent Plasticity in C-fiber Depleted Rats.

Ali Shamsizadeh, Vahid Sheibani, Yaghoub Fathollahi, Mohammad Javan, Javad

Mirnajafizadeh, Mohammad Reza Afarinesh.

Physiology and Pharmacology, 11(2) :9198,**2007**

14-Effects of REM Sleep Deprivation during Pregnancy on Spatial Learning of Adult Male offspring of Rats.

Ali Mohammad Poorrahi, Vahid Sheibani, Mehdi Abbasnejad,Shahrzad Mazhari.

Physiology and Pharmacology, 11(1): 30-37, **2007**.

15-Qualitative Study of Regard of Ethical Principles for the Use of Laboratory Animals in Reasrch

Mobasher Mina, MousaviFatima, Nakhaee Nouzar, Sheibani Vahid.

Iranian journal of ethics in science and technology,1(1):49-60. **2007**

16-Study of the Effect of Intraperitoneal (i.p) Injection of Naloxone metabotropic GABAB Receptor Agents into Mesencephalic cuneiformis Nucleus (CNF) of Rat.

Bakhshesh, M., Sheibani, V., Rezvanipour, M.

Journal of Ilam university of medical sciences, 14(2):816, 2006

17-Effect of Aspirin on Morphology of CA1 Hipocampal Neurons Following Ischemia Induction in Male rat.

SH. Eftekhari, A. Aboli Nooghy Zadeh, V. Sheibani, R. Malekour, M. Ezat Abadi, R. Farazifard,
Yakhteh medical journal, 7(25):29-34, 2005

18-The Effects of D2 Receptors of the Ventromedial Nucleus of Hypothalamus (VMN) on Secretion of Sex and Prolactin in Male Rats.

Gol A, Sheibani V, Abbasnejad M, Sofiabadi M.
Iranian journal of endocrinology and metabolism, 6(4):347-52, 2005

19-Alternation in α - and β -Adrenoceptor Profile of Rabbit Knee Joint Blood Vessels Due to Acute Inflammation.

H. Najafipour, V. Sheibani,
Journal of Rafsanjani University of medical sciences, 1(3):146-56, 2002

20-Effect of locus ceruleus phasic electrical stimulation on response of barrel cortical cells to controlled mechanical displacement in rats.

V. Sheibani, H. Esteki, G. Behzadi, F. Ganji.
Physiology and Pharmacology, 6(1):27-37, 2002

ABSTRACT in INTERNATIONAL CONGRESS

1-Effect of C-fiber depletion and locus coeruleus electrical stimulation on response of barrel cortical cells to controlled mechanical displacement in adult rats, Czech 10-15 July 2003 sixth IBRO world congress of neuroscience, Sheibani V, Esteki H, Motamedi, F.

2-The effect of dorsal raphe nucleus stimulation on response of layers IV barrel cortical neurons in anesthetized rat. The 28th Annual Meeting of the Japan Neuroscience, 4 July 2005, 2628, 2005 Yokohama, Japan. Vahid Sheibani, Rasoul Farazifard

3-Neonatal univibrissae rearing alters temporal characteristics of response integration in the barrel cortex of rats. 12-17 july 2007 7th IBRO world congress of neuroscience, Melbourne Australia, Vahid Sheibani, Shamsi zadeh .A, Arabzadeh.S, Afarinesh .MR.

BOOK TRANSLATED

Abbasnejad M., Ghazanfari Moghaddam A., Mirnajafizadeh J., Sheibani V., Practical Physiology (in Persian), Kerman Shahid Bahonar University Press, 2002, Kerman, Iran