



## Professor Siamak Shahidi

### **Personal background**

Name: Siamak Shahidi

Date of birth: 1969

Nationality: Iranian

Contact information:

Department of Physiology,

School of Medicine,

Hamadan University of Medical Sciences

Hamedan,

Iran

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### **Current position at Hamadan University of Medical Sciences, Hamadan, IRAN**

- 1- Head of Department of Physiology: <https://medschool.umsha.ac.ir/physiology>
- 2- Head of Neurophysiology Research center: <https://nrc.umsha.ac.ir/>
- 3- Director in Charge of Avicenna Journal of Neuropsychophysiology: <http://ajnpp.umsha.ac.ir/>

### **Educational background**

2000 – 2004, Ph.D in Medical Physiology, Shaheed Beheshti University of Medical Sciences

1993 – 1996, MSc in Medical Physiology, Shaheed Beheshti University of Medical Sciences

1988 – 1992, BSc in General Biology, Shiraz University

## **Professional experiences**

2018-....: Member of editorial board of Brain Research Bulletin

<https://www.journals.elsevier.com/brain-research-bulletin/editorial-board>

2014-....: Director in Charge of Avicenna journal of neuropsychophysiology, Hamadan University of Medical Sciences

2014-2018: Manager of PhD by research students, Hamadan University of Medical Sciences

2005-2007, 2014-2020, 2022-2024: Head of Physiology Department, Hamadan University of Medical Sciences

2009-....: Member of American Physiological Society

2004-....: International Brain Research Organization (IBRO) School, Hong Kong

2003: Sabbatical Study, University of Otago, New Zealand

## **Foundings and plannings**

2016: Course: Ph.D in Neuroscience

2011: Neurophysiology Research Center

2009: Course: Master of Science in Human Physiology

2011: Morris Water Maze & Novel object recognition laboratory

2010: Rodents' pain assessment laboratory

2009: Morphine Withdrawal test in rodents

2007: Laboratory of In vivo field potentials recording in the rat

2007: Rodents Anxiety Laboratory

2005: Laboratoy of rodent learning & memory tests

1995: Animal House

## **HONORS, PRIZES AND AWARDS**

2014           **Travel Award**, Korean Endocrine Society

2011           **Travel Award**, From Japan Neuroscience Society

2009           **Travel Award**, From International Union of Physiological Sciences (IUPS)

2009           **Travel Award**, From Asian Oceanian Clinical Neurophysiology Society

2007           **Travel Award**, From International Brain Research Organization (IBRO)

2006           **Travel Award**, From Federation of Asian-Oceanian Neuroscience Society (FAONS)

2005           **Travel Award**, From Japan Neuroscience Society

## **Paper in Conference**

Asia-Oceanian Congress in Neurorehabilitation, AOCNR. 2017

22nd World Congress of Social Psychiatry, WASP. 2016  
8th Scientific Congress Federation of Asian & Oceanian Physiological societies (FAOPS). 2015  
4<sup>th</sup> Basic & clinical neuroscience congress. 2015  
International Congress of Endocrinology and Metabolism. 2014  
8<sup>th</sup> FENS Forum of neuroscience, 2012  
8th IBRO World Congress of Neuroscience. 2011  
20th Iranian Congress of Physiology and Pharmacology. 2011  
The 34th Annual Meeting of the Japan Neuroscience Society. 2011  
4th International Conference of Cognitive Science. 2011  
Iranian Biology congress. 2010  
16th national and 4th international conference of Biology  
7th Forum of European Neuroscience.  
10th Biennial meeting of the asia-pasific society of neurochemistry  
The 7th International Conference on Cognitive Science. 2010  
19th Iranian Congress of Physiology & Pharmacology. 2009  
Asian and Oceanian Congress of Clinical Neurophysiology (AOCCN 2009). 2009  
36th International Congress of Physiological Sciences (IUPS2009). 2009;  
6th FENS Forum of European Neuroscience. 2008  
12th World Congress on Pain. 2008  
XXIX International Congress of Psychology. 2008  
18th Iranian Congress of Physiology & Pharmacology. 2007  
The 2nd International Emirates Neurology Congress. 2007  
7th International Brain Research Organization (IBRO) World Congress of Neuroscience. 2007  
The 7th International Review of Bipolar Disorder. 2007  
The 4th Congress of Federation of Asian-Oceanian Neuroscience Societies (FAONS). 2006  
The 4th International Conference on Memory (ICOM-4). 2006  
The 29th Annual meeting of the Japan Neuroscience Society. 2006  
5th Congress of the European Federation of International Association for the study of Pain. 2006  
13th World Congress of Psychophysiology, the Olympics of the Brain. 2006  
First international Congress of the Emirates Neurology Society. 2006  
International Neuroscience Conference. 2005  
The 28th Annual meeting of the Japan Neuroscience Society. 2005  
17th Iranian congress of physiology and pharmacology. 2005  
The 4th Congress of Federation of Asian-Oceanian Neuroscience Societies (FAONS). 2004  
12th World congress of psychophysiology. 2004  
2nd Iranian Neuroscience Congress. 2002  
5th Scientific Congress Federation of Asian & Oceanian Physiological societies (FAOPS). 2002  
1st FAONS congress. 1996  
12th Iranian congress of physiology and pharmacology. 1995  
Neurogenesis and Development conference. 1995

#### **RESEARCH INTERESTS & PUBLICATIONS**

[https://isid.research.ac.ir/Siamak\\_Shahidi](https://isid.research.ac.ir/Siamak_Shahidi)

<https://www.scopus.com/authid/detail.uri?authorId=6603967242>

<https://orcid.org/0000-0001-8196-5223>

<https://www.semanticscholar.org/author/S.-Shahidi/144739557>

<https://www.researchgate.net/profile/Siamak-Shahidi>

BOOKS:

- 1- مدل‌های حیوانی بیماری‌های انسانی
- 2- رایج‌ترین آزمون‌های یادگیری و حافظه در حیوانات آزمایشگاهی
- 3- آزمایشگاه فیزیولوژی علوم پزشکی
- 4- یو.اس.ام.ال.ای فیزیولوژی

<https://www.gisoom.com/search/book/author-455549/%D9%BE%D8%AF%DB%8C%D8%AF%D8%A2%D9%88%D8%B1%D9%86%D8%AF%D9%87-%D8%B3%DB%8C%D8%A7%D9%85%DA%A9-%D8%B4%D9%87%DB%8C%D8%AF%DB%8C/>

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2,230 Citations by **1,464 documents**

132 Documents

29 *h*-index

**Parkinson's disease tremor prediction using EEG data analysis-A preliminary and feasibility study.** Farashi, S., Sarihi, A., Ramezani, M., Shahidi, S., Mazdeh, M. *BMC Neurology*, 2023, 23(1), 420

**Effect of vitamin D on cardiac hypertrophy in D-galactose-induced aging model through cardiac mitophagy.** Shahidi, S., Ramezani-Aliakbari, K., Komaki, A., ...Habibi, P., Ramezani-Aliakbari, F. *Molecular Biology Reports* 2023, 50(12), pp. 10147–10155

**Regulatory effects of trimetazidine in cardiac ischemia/reperfusion injury** Farzaei, M.H., Ramezani-Aliakbari, F., Ramezani-Aliakbari, M., ...Sarihi, A., Salehi, I. *Naunyn-Schmiedeberg's Archives of Pharmacology*, 2023, 396(8), pp. 1633–1646

**Effects of swimming exercise during pre-adolescence on learning and memory in adult rats: behavioral and electrophysiological approaches.** Shahidi, S., Rafiee, H., Sohrabi, S., ...Afshar, S., Sadeghian, R. *Physiology and Pharmacology (Iran)*

**The role of hippocampal 5-HT<sub>1D</sub> and 5-HT<sub>1F</sub> receptors on learning and memory in rats.**  
Afshar, S., Shahidi, S., Baooshi, H., ...Hashemi-Firouzi, N., Komaki, A. *Naunyn-Schmiedeberg's Archives of Pharmacology*

**Modulation of GPC-4 and GPLD1 serum levels by improving glycemic indices in type 2 diabetes: Resistance training and hawthorn extract intervention.** Heidarianpour, A., Keshvari, M., Shahidi, S., Zarei, M. *Heliyon*, 2023, 9(4), e15537

**Royal jelly improves learning and memory deficits in an amyloid  $\beta$ -induced model of Alzheimer's disease in male rats: Involvement of oxidative stress.** Raoufi, S., Salavati, Z., Komaki, A., Shahidi, S., Zarei, M. *Metabolic Brain Disease.*, 2023, 38(4), pp. 1239–1248

**The effect of 5-HT<sub>2A</sub> receptor stimulation on morphine withdrawal symptoms in mice.** Hashemi-Firouzi, N., Shahidi, S., Afshar, S., Habibi, P., Ramezani, M. *Scientific Journal of Kurdistan University of Medical Sciences*








**Association of vitamin A and its organic compounds with stroke—a systematic review and meta-analysis.** Farashi, S., Shahidi, S., Sarihi, A., Zarei, M. *Nutritional Neuroscience* This link is disabled., 2023, 26(10), pp. 960–974

**The effects of polyvinyl alcohol-coated selenium nanoparticles on memory impairment in rats**  
Hashemi-Firouzi, N., Afshar, S., Asl, S.S., ...Majidi, M., Shahidi, S. *Metabolic Brain Disease*, 2022, 37(8), pp. 3011–3021

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Coenzyme Q10 supplementation reverses diabetes-related impairments in long-term potentiation induction in hippocampal dentate gyrus granular cells: An in vivo study	Omidi, G., Karimi, S.A., Shahidi, S., Faraji, N., Komaki, A.	2020 Brain Research 1726,146475

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Serotonin type 6 receptor antagonist attenuates the impairment of long-term potentiation and memory induced by Abeta	Shahidi, S., Hashemi-Firouzi, N., Asl, S.S., Komaki, A.	2019 Behavioural Brain Research 364, pp. 205-212	0
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View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Beigi, B., Shahidi, S., Komaki, A., Sarihi, A., Hashemi-Firouzi, N.	2019 International Journal of Neuroscience 129(5), pp. 492-500
Pretraining hippocampal stimulation of melatonin type 2 receptors can improve memory acquisition in rats		
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Alteration level of hippocampus BDNF expression and long-term potentiation upon microinjection of BRL15572 hydrochloride in a rat model of methamphetamine relapse		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Shahidi, S., Mehrpour, O., Sadeghian, R., Soleimani Asl, S., Komaki, A.	2019 Brain Research Bulletin 148, pp. 18-24
Investigation of protective effects of coenzyme Q10 on impaired synaptic plasticity in a male rat model of Alzheimer's disease		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Komaki, H., Faraji, N., Komaki, A., (...), Raoufi, S., Mirzaei, F.	2019 Brain Research Bulletin 147, pp. 14-21
Involvement of Serotonin 5-HT <sub>7</sub> Receptors in Learning and Memory in Mice Neurophysiology		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Shahidi, S., Mahmoodi, M., Sadeghimehr, N.	2019 51(2), pp. 77-82
Different doses of methamphetamine alter long-term potentiation, level of BDNF and neuronal apoptosis in the hippocampus of reinstated rats		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Shahidi, S., Komaki, A., Sadeghian, R., Asl, S.S.	2019 Journal of Physiological Sciences 69(2), pp. 409-419
Protective effects of 5-HT <sub>1A</sub> receptor antagonist and 5-HT <sub>2A</sub> receptor agonist on the biochemical and histological features in a rat model of Alzheimer's disease		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Afshar, S., Shahidi, S., Rohani, A.H., Soleimani Asl, S., Komaki, A.	2019 Journal of Chemical Neuroanatomy 96, pp. 140-147
Influence of chronic coenzyme Q10 supplementation on cognitive function, learning, and memory in healthy and diabetic middle-aged rats		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Monsef, A., Shahidi, S., Komaki, A.	2019 Neuropsychobiology 77(2), pp. 92-100
Dimethylxalylglycine preconditioning enhances protective effects of bone marrow-derived mesenchymal stem cells in A $\beta$ -induced Alzheimer disease		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Esmailzade, B., Artimani, T., Amiri, I., (...), Zahiri, M., Soleimani Asl, S.	2019 Physiology and Behavior 199, pp. 265-272
Intracerebroventricular microinjection of kaempferol on memory retention of passive avoidance learning in rats: involvement of cholinergic mechanism(s)		
View abstract  <a href="#">Link to Full Text</a> View at Publisher Related documents	Zarei, M., Mohammadi, S., Jabbari, S., Shahidi, S.	2019 International Journal of Neuroscience Article in Press
Protective effects of 5-HT <sub>1A</sub> receptor inhibition and 5-HT <sub>2A</sub> receptor stimulation against streptozotocin-induced apoptosis in the hippocampus Open Access		
	Shahidi, S., Hashemi-Firouzi, N., Afshar, S., Asl, S.S., Komaki, A.	2019 Malaysian Journal of Medical Sciences 26(2), pp. 40-51

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Effect of coenzyme Q10 supplementation on diabetes induced memory deficits in rats Omid, G., Karimi, S.A., Rezvani-Kamran, A., (...), Shahidi, S., Komaki, A. 2019 Metabolic Brain Disease  
Article in Press

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Effect of a hydro-alcoholic extract of Melissa officinalis on passive avoidance learning and memory Open Access Dehbani, Z., Komaki, A., Etaee, F., (...), Komaki, S., Faraji, N. 2019 Journal of HerbMed Pharmacology 8(2), pp. 120-125

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Influence of hippocampal GABA<sub>B</sub> receptor inhibition on memory in rats with acute  $\beta$ -amyloid toxicity Almasi, A., Zarei, M., Raoufi, S., (...), 2018 Hashemi-Firouzi, N., Shahidi, S. Metabolic Brain Disease 33(6), pp. 1859-1867

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Effect of a 5-HT<sub>1D</sub> receptor agonist on the reinstatement phase of the conditioned place preference test and hippocampal long-term potentiation in methamphetamine-treated rats Shahidi, S., Komaki, A., Sadeghian, R., Soleimani Asl, S. 2018 Brain Research 1698, pp. 151-160

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Intracerebroventricular microinjection of the 5-HT<sub>1F</sub> receptor agonist LY 344864 inhibits methamphetamine conditioned place preference reinstatement in rats Shahidi, S., Sadeghian, R., Komaki, A., Asl, S.S. 2018 Pharmacology Biochemistry and Behavior 173, pp. 27-35

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The effect of NAD-299 and TCB-2 on learning and memory, hippocampal BDNF levels and amyloid plaques in Streptozotocin-induced memory deficits in male rats Afshar, S., Shahidi, S., Rohani, A.H., Komaki, A., Asl, S.S. 2018 Psychopharmacology 235(10), pp. 2809-2822

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5-Hydroxytryptamine receptor 6 antagonist, SB258585 exerts neuroprotection in a rat model of Streptozotocin-induced Alzheimer's disease Hashemi-Firouzi, N., Shahidi, S., Soleimani-Asl, S., Komaki, A. 2018 Metabolic Brain Disease 33(4), pp. 1243-1253

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AMN082—a metabotropic glutamate receptor type 7 allosteric agonist in the NAc facilitates extinction and inhibits the reinstatement of morphine-induced conditioned place preference in male rats Vatankhah, M., Sarihi, A., Komaki, A., Shahidi, S., Haghparast, A. 2018 Brain Research Bulletin 140, pp. 28-33

View abstract  [Link to Full Text](#) View at Publisher Related documents

The effect of chronic stimulation of serotonin receptor type 7 on recognition, passive avoidance memory, hippocampal long-term potentiation, and neuronal apoptosis in the amyloid  $\beta$  protein treated rat Shahidi, S., Asl, S.S., Komaki, A., Hashemi-Firouzi, N. 2018 Psychopharmacology 235(5), pp. 1513-1525

Sort on:

Effects of thymol on amyloid- $\beta$ -induced impairments in hippocampal synaptic plasticity in rats fed a high-fat diet

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Erratum to: Treadmill exercise alters ecstasy- induced long- term potentiation disruption in the hippocampus of male rats (Metabolic Brain Disease, (2017), 32, 5, (1603-1607), 10.1007/s11011-017-0046-9)  
Open Access

Sajadi, A., Amiri, I., Gharebaghi, A., (…), Mehdizadeh, M., Asl, S.S. 2017 Metabolic Brain Disease 32(6), pp. 2165

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Treadmill exercise attenuates 3,4-methylenedioxymethamphetamine-induced memory impairment through a decrease apoptosis in male rat hippocampus

Gharebaghi, A., Amiri, I., Salehi, I., (…), Moravej, F.G., Asl, S.S. 2017 Journal of Neuroscience Research 95(12), pp. 2448-2455

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The effects of the 5-HT<sub>7</sub> receptor on hippocampal long-term potentiation and apoptosis in a rat model of Alzheimer's disease

Hashemi-Firouzi, N., Komaki, A., Soleimani Asl, S., Shahidi, S. 2017 Brain Research Bulletin 135, pp. 85-91

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Treadmill exercise alters ecstasy- induced long- term potentiation disruption in the hippocampus of male rats

Sajadi, A., Amiri, I., Gharebaghi, A., (…), Mehdizadeh, M., Soleimani Asl, S. 2017 Metabolic Brain Disease 32(5), pp. 1603-1607

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The effects of methamphetamine and buprenorphine, and their interaction on anxiety-like behavior and locomotion in male rats

Etaee, F., Asadbegi, M., Taslimi, Z., (…), Soleimani Asl, S., Komaki, A. 2017 Neuroscience Letters 655, pp. 172-178

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Effects of *Sonchus asper* and apigenin-7-glucoside on nociceptive behaviors in mice

Zarei, M., Mohammadi, S., Shahidi, S., Fallahzadeh, A.R. 2017 Journal of Pharmacy and Pharmacognosy Research 5(4), pp. 227-237 3

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Influence of N-acetyl cysteine on beta-amyloid-induced Alzheimer's disease in a rat model: A behavioral and electrophysiological study










Shahidi, S., Zargooshnia, S., Asl, S.S., Komaki, A., Sarihi, A. 2017 Brain Research Bulletin 131, pp. 142-149

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The interactive role of CB<sub>1</sub> receptors and L-type calcium channels in hippocampal long-term potentiation in rats

Komaki, H., Saadat, F., Shahidi, S., (…), Hasanein, P., Komaki, A. 2017 Brain Research Bulletin 131, pp. 168-175



Effects of Hypericum Scabrum extract on anxiety and oxidative stress biomarkers in rats fed a long-term high-fat diet	Ganji, A., Salehi, I., Sarihi, A., Shahidi, S., Komaki, A.	2017 Metabolic Brain Disease 32(2), pp. 503-511
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Interaction between the cannabinoid and vanilloid systems on anxiety in male rats	Faragi, N., Komaki, A., Firouzi, N.H., Salehi, I., Shahidi, S.	2017 Basic and Clinical Neuroscience 8(2), pp. 129-138
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Effects of the hydroalcoholic extract of Rosa damascena on learning and memory in male rats consuming a high-fat diet Open Access	Rezvani-Kamran, A., Salehi, I., Shahidi, S., (...), Moradkhani, S., Komaki, A.	2017 Pharmaceutical Biology 55(1), pp. 2065-2073
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Interactive effects of AM251 and baclofen on synaptic plasticity in the rat dentate gyrus	Nazari, M., Komaki, A., Salehi, I., (...), Komaki, H., Ganji, A.	2016 Brain Research 1651, pp. 53-60
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Modulation of nociception by medial pre-optic area orexin receptors and its relation with morphine in male rats	Emam, A.H., Hajesfandiari, N., Shahidi, S., (...), Ganji, M., Sarihi, A.	2016 Brain Research Bulletin 127, pp. 141-147
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Interaction between paired-pulse facilitation and long-term potentiation during the stimulation of the cannabinoid and vanilloid systems in the dentate gyrus	Tahmasebi, L., Komaki, A., Karamian, R., (...), Sarihi, A., Komaki, H.	2016 Brain Research 1643, pp. 27-34
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Study of the effect of extract of Thymus vulgaris on anxiety in male rats Open Access	Komaki, A., Hoseini, F., Shahidi, S., Baharlouei, N.	2016 Journal of Traditional and Complementary Medicine 6(3), pp. 257-261
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Analgesic Effects of the Aqueous Lemon Verbena Extract in Rats Neurophysiology	Veisi, M., Shahidi, S., Komaki, A., Sarihi, A.	2016 48(2), pp. 107-110
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
Effect of borage on hippocampal TNF- $\alpha$ protein and gene in the amyloid $\beta$ -peptide(25-35)-induced of Alzheimer model in rat Open Access	Barati, E., Asl, S.S., Pournakhsh, S.A., Jamshidian, M., Shahidi, S.	2016 Biosciences Biotechnology Research Asia 13(1), pp. 37-42
<a href="#">View abstract</a>  <a href="#">Link to Full Text</a> <a href="#">View at Publisher Related documents</a>		
The interactive role of CB <sub>1</sub> and GABA <sub>B</sub> receptors in hippocampal synaptic plasticity in rats	Nazari, M., Komaki, A., Karamian, R., (...), Sarihi, A., Asadbegi, M.	2016 Brain Research Bulletin 120, pp. 123-130

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Effects of Vitamin E on lead-induced impairments in hippocampal synaptic plasticity Salehi, I., Karamian, R., Komaki, A., (...), Shahidi, S., Sarihi, A. 2015 Brain Research 1629, pp. 270-281

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Vitamin C reverses lead-induced deficits in hippocampal synaptic plasticity in rats Karamian, R., Komaki, A., Salehi, I., (...), Shahidi, S., Sarihi, A. 2015 Brain Research Bulletin 116, pp. 7-15

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Effect of a hydroalcoholic extract of Rosa Canina flowers on anxiety in rats Nemati, Z., Komaki, A., Shahidi, S., Sarihi, A. 2015 Neurophysiology 47(2),A007, pp. 133-137 5

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Blockage of acquisition and expression of morphine-induced conditioned place preference in rats due to activation of glutamate receptors type II/III in nucleus accumbens Baharlouei, N., Sarihi, A., Komaki, A., Shahidi, S., Haghparast, A. 2015 Pharmacology Biochemistry and Behavior 135, pp. 192-198

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The interactive role of cannabinoid and vanilloid systems in hippocampal synaptic plasticity in rats Tahmasebi, L., Komaki, A., Karamian, R., (...), Salehi, I., Nikkha, A. 2015 European Journal of Pharmacology 757, pp. 68-73

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Effect of vitamin E on lead exposure-induced learning and memory impairment in rats Khodamoradi, N., Komaki, A., Salehi, I., Shahidi, S., Sarihi, A. 2015 Physiology and Behavior 144, pp. 90-94

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The protective effect of Borago Officinalis extract on amyloid  $\beta$  (25–35)-induced long term potentiation disruption in the dentate gyrus of male rats Zargooshnia, S., Shahidi, S., Ghahremanitamadon, F., (...), Mehdizadeh, M., Soleimani Asl, S. 2015 Metabolic Brain Disease 30(1), pp. 151-156


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Assessment of aqueous extract of Lemon verbena on anxiety-like behavior in rats Veisi, M., Shahidi, S., Komaki, A., Sarihi, A. 2015 Journal of Pharmaceutical Negative Results 6(1), pp. 37-39 2

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The effect of Echium amoenum hydro-alcoholic extract on blood glucose level, lipid profile and lipoproteins in streptozotocin-induced diabetic male rats Mahmoudi, M., Shahidi, S., Golmohammadi, H., Mohammadi, S. 2015 Journal of Zanjan University of Medical Sciences and Health Services 23(97), pp. 72-81

Investigating the effect of *Borago officinale* on hippocampal IL-1 beta protein and gene in the amyloid  $\beta$ -peptide (25-35)-induced of inflammation in rat  
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Role of Group II Metabotropic Glutamate Receptors (mGluR2/3) Blockade on Long-Term Potentiation in the Dentate Gyrus Region of Hippocampus in Rats Fed with High-Fat Diet

Karimi, S.A., Komaki, A., Salehi, I., Sarihi, A., Shahidi, S.

2015 *Neurochemical Research* 40(4), pp. 811-817

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Study the effect of endocannabinoid system on rat behavior in elevated plus-maze

Komaki, A., Hashemi-Firouzi, N., Shojaei, S., (...), Heidari, S., Shahidi, S.

2015 *Basic and Clinical Neuroscience* 6(3), pp. 147-153

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The treatment combination of vitamins e and C and astaxanthin prevents high-fat diet induced memory deficits in rats

Komaki, A., Karimi, S.A., Salehi, I., (...), Shahidi, S., Zarei, M.

2015 *Pharmacology Biochemistry and Behavior* 131, pp. 98-103

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Effects of cannabinoid and glutamate receptor antagonists and their interactions on learning and memory in male rats

Barzegar, S., Komaki, A., Shahidi, S., (...), Mirazi, N., Salehi, I.

2015 *Pharmacology Biochemistry and Behavior* 131, pp. 87-90

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The effects of a 5-HT7 receptor agonist and antagonist on morphine withdrawal syndrome in mice

Shahidi, S., Hashemi-Firouzi, N.

2014 *Neuroscience Letters* 578, pp. 27-32

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Effects of exposure to an extremely low frequency electromagnetic field on hippocampal long-term potentiation in rat

Komaki, A., Khalili, A., Salehi, I., Shahidi, S., Sarihi, A.

2014 *Brain Research* 1564, pp. 1-8

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Effect of tempol on the passive avoidance and novel object recognition task in diabetic rats

Jabbarpour, Z., Shahidi, S., Saidijam, M., (...), Hassanzadeh, T., Esmaeili, R.

2014 *Brain Research Bulletin* 101, pp. 51-56

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Effects of Phosphodiesterase type 5 inhibitions on morphine withdrawal symptoms in Mice | [Efectos comportamentales por inhibición de la fosfodiesterasa tipo 5 sobre los síntomas de abstinencia de morfina en ratones]

Mahmoodi, M., Shahidi, S., Hashemi-Firouzi, N.

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