

CURRICULUM VITAE



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
4th Basic & clinical neuroscience congress. 2015
International Congress of Endocrinology and Metabolism. 2014
8th 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://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>

https://scholar.google.com/citations?hl=en&user=zb8peAAAAAJ&view_op=list_works&gmla=AJsN-F4hCZNb0G0tMsiHT2tSyYYDvHGoGrkb5FKMZxU14kaKcUOOOwR0FhPBwR3OUEMbkuNIGUxSBGncAklJJk2Tduqx7RXvQ

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_{1D} and 5-HT_{1F} 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. *Helijon*, 2023, 9(4), e15537

Royal jelly improves learning and memory deficits in an amyloid β-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-HT2A 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
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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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Pretraining hippocampal stimulation of melatonin type 2 receptors can improve memory acquisition in rats

Beigi, B., Shahidi, S., Komaki, A.,
Sarihi, A., Hashemi-Firouzi, N.

2019 International Journal of
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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

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Komaki, A.

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Investigation of protective effects of coenzyme Q10 on impaired synaptic plasticity in a male rat model of Alzheimer's disease

Komaki, H., Faraji, N., Komaki, A.,
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Involvement of Serotonin 5-HT7 Receptors in Learning and Memory in Mice
Neurophysiology

Shahidi, S., Mahmoodi, M.,
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Sadeghimehr, N.

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Different doses of methamphetamine alter long-term potentiation, level of BDNF and neuronal apoptosis in the hippocampus of reinstated rats

Shahidi, S., Komaki, A., Sadeghian,
R., Asl, S.S.

2019 Journal of Physiological
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69(2), pp. 409-419

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Protective effects of 5-HT_{1A} receptor antagonist and 5-HT_{2A} receptor agonist on the biochemical and histological features in a rat model of Alzheimer's disease

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Influence of chronic coenzyme Q10 supplementation on cognitive function, learning, and memory in healthy and diabetic middle-aged rats

Monsef, A., Shahidi, S., Komaki, A.

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Dimethyloxalyglycine preconditioning enhances protective effects of bone marrow-derived mesenchymal stem cells in Aβ-induced Alzheimer disease

Esmaeilzade, B., Artimani, T., Amiri, 2019 Physiology and
I., (...), Zahiri, M., Soleimani Asl, S.
Behavior
199, pp. 265-272

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Intracerebroventricular microinjection of kaempferol on memory retention of passive avoidance learning in rats: involvement of cholinergic mechanism(s)

Zarei, M., Mohammadi, S., Jabbari,
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2019 International Journal of
Neuroscience

Article in Press

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Protective effects of 5-HT1a receptor inhibition and 5-HT2a receptor stimulation against streptozotocin-induced apoptosis in the hippocampus

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Shahidi, S., Hashemi-Firouzi, N.,
Afshar, S., Asl, S.S., Komaki, A.

2019 Malaysian Journal of
Medical Sciences
26(2), pp. 40-51

Effect of coenzyme Q10 supplementation on diabetes induced memory deficits in rats Omidi, G., Karimi, S.A., Rezvani-Kamran, A., (...), Shahidi, S., Komaki, A.

2019 Metabolic Brain Disease

Article in Press

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

Influence of hippocampal GABA_B receptor inhibition on memory in rats with acute β -amyloid toxicity

Almasi, A., Zarei, M., Raoufi, S., (...), 2018 Metabolic Brain Hashemi-Firouzi, N., Shahidi, S. Disease 33(6), pp. 1859-1867

Effect of a 5-HT_{1D} 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

Intracerebroventricular microinjection of the 5-HT_{1F} 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

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

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

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

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 β protein treated rat

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2018 Psychopharmacology 14 235(5), pp. 1513-1525

Sort on:

Effects of thymol on amyloid- β -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., 2017 Metabolic Brain Disease (...), Mehdizadeh, M., Asl, S.S. 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., 2017 Journal of Neuroscience Research (...), Moravej, F.G., Asl, S.S. 95(12), pp. 2448-2455

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The effects of the 5-HT7 receptor on hippocampal long-term potentiation and apoptosis in a rat model of Alzheimer's disease

Hashemi-Firouzi, N., Komaki, A., 2017 Brain Research Bulletin (...), Soleimani Asl, S., Shahidi, S. 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., 2017 Metabolic Brain Disease (...), Mehdizadeh, M., Soleimani Asl, S. 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., 2017 Neuroscience Letters (...), Soleimani Asl, S., Komaki, A. 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, 2017 Journal of Pharmacy and Pharmacognosy Research S., Fallahzadeh, A.R. 5(4), pp. 227-237

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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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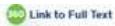
The interactive role of CB1 receptors and L-type calcium channels in hippocampal long-term potentiation in rats

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

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Interaction between the cannabinoid and vanilloid systems on anxiety in male rats

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2017 Basic and Clinical Neuroscience
8(2), pp. 129-138

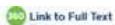
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Effects of the hydroalcoholic extract of Rosa damascena on learning and memory in male rats consuming a high-fat diet

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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
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Modulation of nociception by medial pre-optic area orexin a receptors and its relation with morphine in male rats

Emam, A.H., Hajesfandiari, N., Shahidi, S., (...), Ganji, M., Sarihi, A.

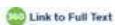
2016 Brain Research Bulletin
127, pp. 141-147

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Interaction between paired-pulse facilitation and long-term potentiation during the stimulation of the cannabinoid and vanilloid systems in the dentate gyrus

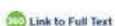
Tahmasebi, L., Komaki, A., Karamian, R., (...), Sarihi, A., Komaki, H.

2016 Brain Research
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Study of the effect of extract of Thymus vulgaris on anxiety in male rats
Open Access

Komaki, A., Hoseini, F., Shahidi, S., 2016 Journal of Traditional and Complementary Medicine
6(3), pp. 257-261

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Analgesic Effects of the Aqueous Lemon Verbena Extract in Rats
Neurophysiology

Veisi, M., Shahidi, S., Komaki, A., O, Sarihi, A.

2016
48(2), pp. 107-110

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Effect of borage on hippocampal TNF- α protein and gene in the amyloid β -peptide(25-35)-induced of Alzheimer model in rat
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2016 Biosciences Biotechnology Research Asia
13(1), pp. 37-42

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The interactive role of CB₁ and GABA_B receptors in hippocampal synaptic plasticity in rats

Nazari, M., Komaki, A., Karamian, R., (...), Sarihi, A., Asadbegi, M.

2016 Brain Research Bulletin
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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

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

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

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

The interactive role of cannabinoid and vanilloid systems in hippocampal synaptic plasticity in rats Tahmasebi, L., Komaki, A., Karamian, R., (...), Salehi, I., Nikkhah, A.

2015 *European Journal of Pharmacology* 757, pp. 68-73

Effect of vitamin E on lead exposure-induced learning and memory impairment in rats Khodamoradi, N., Komaki, A., Salehi, I., Shahidi, S., Sarihi, A.

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The protective effect of Borago Officinalis extract on amyloid β (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

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

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.

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Investigating the effect of *Borago officinale* on hippocampal IL-1 beta protein and gene
in the amyloid β -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. 22
2015 *Neurochemical Research*
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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,
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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.,
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2015 *Pharmacology Biochemistry and Behavior*
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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,
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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. 9
2014 *Neuroscience Letters*
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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.,
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2014 *Brain Research*
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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.,
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101, pp. 51-56

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