

My CV



Surname: Komaki

Name: Alireza

Birth date: 1-21-1969

Education:

1-B.Sc. in Biology, Isfahan University, Iran (1992)

2- M.Sc. in Physiology, Isfahan University of Medical Sciences, Iran (1997)

3- Ph.D. in Physiology, Shaheed Beheshti University of Medical Sciences, Iran (2005)

4-Research Fellow in Neuroscience, Osaka, Japan (2004)

Current work Title/Position: *Faculty Staff (Professor) at Department of Physiology, School of Medicine, Hamadan University of Medical Science*

Current work address: *Neurophysiology Research Center & Department of Physiology, School of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran*

Founding and Planning:

1-Learning and Memory Lab. (2005)

2-Electrophysiology Lab. (2006)

3-Anxiety Lab. (2007)

4-MS course of Physiology (2009)

5-Kindeling lab (2013)

6- Single Unite Recording (2014)

List of award received:

FAONS 2003, Hong Kong

Neuroscience 2006, Kyoto, Japan

IBRO World Congress of Neuroscience, 2007, Melbourne, Australia,

Neuroscience 2012, Nagoya, Japan

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My Publication: Alireza Komaki (Ph.D)

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

*H Komaki, N Faraji, A **Komaki**, S Shahidi, F Etaee, S Raoufi, F Mirzaei*

Brain research bulletin 147, 14-21 2019

**Protective effects of 5-HT1A receptor antagonist and 5-HT2A receptor agonist on the biochemical and histological features in a rat model of Alzheimer's disease*

*S Afshar, S Shahidi, AH Rohani, SS Asl, A **Komaki***

Journal of chemical neuroanatomy 96, 140-147 2019

**Protective effects of 5-ht1a receptor inhibition and 5-ht2a receptor stimulation against streptozotocin-induced apoptosis in the hippocampus*

*S Shahidi, N Hashemi-Firouzi, S Afshar, SS Asl, A **Komaki***

The Malaysian journal of medical sciences: MJMS 26 (2), 40 2019

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

*S Shahidi, A **Komaki**, R Sadeghian, SS Asl*

The Journal of Physiological Sciences 69 (2), 409-419 2019

**Serotonin type 6 receptor antagonist attenuates the impairment of long-term potentiation and memory induced by Abeta*

S Shahidi, N Hashemi-Firouzi, SS Asl, **A Komaki**
Behavioural brain research 364, 205-212 2019

**Coenzyme Q10 supplementation reverses diabetes-related impairments in long-term potentiation induction in hippocampal dentate gyrus granular cells: an in vivo study*

G Omid, SA Karimi, S Shahidi, N Faraji, **A Komaki**
Brain Research, 146475 2019

Nicotinamide nucleotide transhydrogenase expression analysis in multiple sclerosis patients

MM Eftekharian, M Taheri, S Arsang-Jang, **A Komaki**, S Ghafouri-Fard
International Journal of Neuroscience, 1-5 2019

Comparing the Antinociceptive Effects of Methamphetamine, Buprenorphine, or Both After Chronic Treatment and Withdrawal in Male Rats

F Etaee, A Rezvani-Kamran, M Taheri, G Omid, P Hasanein, **A Komaki**
Basic and Clinical Neuroscience 10 (4), 313-322 2019

**Effect of coenzyme Q10 supplementation on diabetes induced memory deficits in rats*

G Omid, SA Karimi, A Rezvani-Kamran, A Monsef, S Shahidi, **A Komaki**
Metabolic brain disease 34 (3), 833-840 2019

Expression analysis of vitamin D receptor-associated lncRNAs in epileptic patients

M Mazdeh, M Zamani, MM Eftekharian, **A Komaki**, S Arsang-Jang, ...
Metabolic brain disease, 1-9 2019

Single nucleotide polymorphisms of lncRNA H19 are not associated with risk of multiple sclerosis in Iranian population

M Mazdeh, R Noroozi, **A Komaki**, M Taheri, S Ghafouri-Fard
Meta Gene, 100592 2019

Expression Profile of Selected MicroRNAs in the Peripheral Blood of Multiple Sclerosis

Patients: a Multivariate Statistical Analysis with ROC Curve to Find New Biomarkers for ...

MM Eftekharian, **A Komaki**, M Mazdeh, S Arsang-Jang, M Taheri, ...
Journal of Molecular Neuroscience 68 (1), 153-161 2019

GAS5 genomic variants and risk of multiple sclerosis

MM Eftekharian, R Noroozi, **A Komaki**, M Mazdeh, M Taheri, ...
Neuroscience letters 701, 54-57 2019

The effects of cinnamaldehyde on acute or chronic stress-induced anxiety-related behavior and locomotion in male mice

F Etaee, **A Komaki**, N Faraji, A Rezvani-Kamran, S Komaki, P Hasanein, ...

Stress 22 (3), 358-365 2019

Pretraining hippocampal stimulation of melatonin type 2 receptors can improve memory acquisition in rats

B Beigi, S Shahidi, **A Komaki**, A Sarihi, N Hashemi-Firouzi
International Journal of Neuroscience 129 (5), 492-500 2019

Alteration level of hippocampus BDNF expression and long-term potentiation upon microinjection of BRL15572 hydrochloride in a rat model of methamphetamine relapse

S Shahidi, O Mehrpour, R Sadeghian, SS Asl, **A Komaki**
Brain research bulletin 148, 18-24 2019

Intrahippocampal 5-HT1A receptor antagonist inhibits the improving effect of low-frequency stimulation on memory impairment in kindled rats

A Gharib, **A Komaki**, HM Khoshinani, M Saidijam, V Barkley, A Sarihi, ...
Brain research bulletin 148, 109-117 2019

Long non-coding RNA AFAP1-AS1 is upregulated in a subset of multiple sclerosis patients

M Mazdeh, MM Eftekharian, **A Komaki**, S Arsang-Jang, S Ghafouri-Fard, ...
Clinical and Experimental Neuroimmunology 10 (2), 105-109 2019

Vitamins C and E alone and in combination partly protect against chronic ethanol-induced toxicity in rat erythrocytes

P Hasanein, P Mohammadi-Raighan, **A Komaki**
International Journal for Vitamin and Nutrition Research 2019

Expression pattern of long non-coding RNAs in schizophrenic patients

MR Safari, **A Komaki**, S Arsang-Jang, M Taheri, S Ghafouri-Fard
Cellular and molecular neurobiology 39 (2), 211-221 2019

Effect of acute and chronic restraint stress on electrical activity of prefrontal cortex neurons in the reinstatement of extinguished methamphetamine-induced conditioned place ...

Z Taslimi, **A Komaki**, A Sarihi, A Haghparast
Brain research bulletin 146, 237-243 2019

*Effect of a hydro-alcoholic extract of *Melissa officinalis* on passive avoidance learning and memory*

Z Dehbani, **A Komaki**, F Etaee, S Shahidi, M Taheri, S Komaki, N Faraji
Journal of HerbMed Pharmacology 8 (2), 120-125 2019

MALAT1 Genomic Variants and Risk of Multiple Sclerosis

MM Eftekharian, R Noroozi, **A Komaki**, M Mazdeh, S Ghafouri-Fard, ...
Immunological investigations, 1-6 2019

A single nucleotide polymorphism in the metabotropic glutamate receptor 7 gene is associated with multiple sclerosis in Iranian population

M Mazdeh, R Noroozi, **A Komaki**, I Azari, S Ghafouri-Fard, M Taheri
Multiple sclerosis and related disorders 28, 189-192 2019

Effects of exposure to extremely low-frequency electromagnetic fields on spatial and passive avoidance learning and memory, anxiety-like behavior and oxidative stress in male rats
SA Karimi, I Salehi, T Shykhi, S Zare, **A Komaki**
Behavioural brain research 359, 630-638 2019

Assessment of Apoptosis Pathway in Peripheral Blood of Autistic Patients
MM Eftekharian, **A Komaki**, VK Oskooie, A Namvar, M Taheri, ...
Journal of Molecular Neuroscience, 1-9 2019

Expression analysis of cytokine coding genes in blood samples of clozapine-treated patients with schizophrenia
MM Eftekharian, **A Komaki**, MD Omrani, S Arsang-Jang, M Ganji, ...
Clinical and Experimental Neuroimmunology 2019

**Effects of Hippocampal Microinjection of Irisin, an Exercise-Induced Myokine, on Spatial and Passive Avoidance Learning and Memory in Male Rats*
S Mohammadi, S Oryan, **A Komaki**, A Eidi, M Zarei
International Journal of Peptide Research and Therapeutics, 1-11 2019

**Influence of Chronic Coenzyme Q10 Supplementation on Cognitive Function, Learning, and Memory in Healthy and Diabetic Middle-Aged Rats*
A Monsef, S Shahidi, **A Komaki**
Neuropsychobiology 77 (2), 92-100 2019

**Effects of thymol on amyloid- β -induced impairments in hippocampal synaptic plasticity in rats fed a high-fat diet*
M Asadbegi, **A Komaki**, I Salehi, P Yaghmaei, A Ebrahim-Habibi, ...
Brain research bulletin 137, 338-350 2018

**Influence of hippocampal GABAB receptor inhibition on memory in rats with acute β -amyloid toxicity*
A Almasi, M Zarei, S Raoufi, A Sarihi, I Salehi, **A Komaki**, ...
Metabolic brain disease 33 (6), 1859-1867 2018

**Virgin coconut oil (VCO) by normalizing NLRP3 inflammasome showed potential neuroprotective effects in Amyloid- β induced toxicity and high-fat diet fed rat*
F Mirzaei, M Khazaei, **A Komaki**, I Amiri, C Jalili
Food and chemical toxicology 118, 68-83 2018

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

**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*

S Afshar, S Shahidi, AH Rohani, A **Komaki**, SS Asl
Psychopharmacology 235 (10), 2809-2822 2018

**The effect of chronic stimulation of serotonin receptor type 7 on recognition, passive avoidance memory, hippocampal long-term potentiation, and neuronal apoptosis in the ...*

S Shahidi, SS Asl, A **Komaki**, N Hashemi-Firouzi
Psychopharmacology 235 (5), 1513-1525 2018

Mitochondrial dynamics as an underlying mechanism involved in aerobic exercise training-induced cardioprotection against ischemia-reperfusion injury

R Ghahremani, A Damirchi, I Salehi, A **Komaki**, F Esposito
Life sciences 213, 102-108 2018

Single-Nucleotide Polymorphisms in Interleukin 6 (IL-6) Gene Are Associated with Suicide Behavior in an Iranian Population

MM Eftekharian, R Noroozi, MD Omrani, Z Sharifi, A **Komaki**, M Taheri, ...
Journal of Molecular Neuroscience 66 (3), 414-419 1 2018

The role of 5-HT1A receptors of hippocampal CA1 region in anticonvulsant effects of low-frequency stimulation in amygdala kindled rats

A Gharib, Z Sayyahi, A **Komaki**, V Barkley, A Sarihi, J Mirnajafi-Zadeh
Physiology & behavior 196, 119-125 1 2018

Effect of a 5-HT1D receptor agonist on the reinstatement phase of the conditioned place preference test and hippocampal long-term potentiation in methamphetamine-treated rats

S Shahidi, A **Komaki**, R Sadeghian, SS Asl
Brain research 1698, 151-160 4 2018

Intracerebroventricular microinjection of the 5-HT1F receptor agonist LY 344864 inhibits methamphetamine conditioned place preference reinstatement in rats

S Shahidi, R Sadeghian, A **Komaki**, SS Asl
Pharmacology Biochemistry and Behavior 173, 27-35 2018

Expression analysis of beta-secretase 1 (BACE1) and its naturally occurring antisense (BACE1-AS) in blood of epileptic patients

M Mazdeh, A **Komaki**, MD Omrani, V Gharzi, A Sayad, M Taheri, ...
Neurological Sciences 39 (9), 1565-1569 2018

Endocannabinoid CB1 receptors are involved in antiepileptogenic effect of low frequency electrical stimulation during perforant path kindling in rats

P Mardani, S Oryan, A Sarihi, E Alaei, A **Komaki**, J Mirnajafi-Zadeh
Epilepsy research 144, 71-81 2018

Cytokine profile in autistic patients

MM Eftekharian, S Ghafouri-Fard, R Noroozi, MD Omrani, S Arsang-jang, ... **A Komaki**,
Cytokine 108, 120-126 2018

Preconditioning Effect of High-Intensity Aerobic Training on Myocardial Ischemia-Reperfusion Injury and Beclin-1 Gene Expression in Rats

R Ghahremani, I Salehi, **A Komaki**, A Damirchi 8 (2), 115-121 , 2018

Antinociceptive activity of Inula britannica L. and patuletin: In vivo and possible mechanisms studies

M Zarei, S Mohammadi, **A Komaki**

Journal of ethnopharmacology 219, 351-3583 2018

ERK activation is required for the antiepileptogenic effect of low frequency electrical stimulation in kindled rats

P Mardani, S Oryan, A Sarihi, **A Komaki**, A Shojaei, S Dehghan, ...

Brain research bulletin 140, 132-1392 2018

AMN082—a metabotropic glutamate receptor type 7 allosteric agonist in the NAc facilitates extinction and inhibits the reinstatement of morphine-induced conditioned place ...

M Vatankhah, A Sarihi, **A Komaki**, S Shahidi, A Haghparast

Brain research bulletin 140, 28-33 2018

Effect of garlic powder on hippocampal long-term potentiation in rats fed high fat diet: an in vivo study

I Salehi, **A Komaki**, SA Karimi, A Sarihi, M Zarei

Metabolic brain disease 33 (3), 725-731 2018

Effects of acute and chronic restraint stress on reinstatement of extinguished methamphetamine-induced conditioned place preference in rats

Z Taslimi, **A Komaki**, A Haghparast, A Sarihi

Basic and clinical neuroscience 9 (3), 157 2018

Cardioprotective effect of resistance training and Crataegus oxyacantha extract on ischemia reperfusion-induced oxidative stress in diabetic rats

K Ranjbar, E Zarrinkalam, I Salehi, **A Komaki**, B Fayazi

Biomedicine & Pharmacotherapy 100, 455-460 2018

Expression analysis of protein inhibitor of activated STAT (PIAS) genes in autistic patients

MM Eftekharian, R Noroozi, MD Omrani, S Arsang-Jang, **A Komaki**, ...

Advances in Neuroimmune Biology, 1-6 2018

Refractory bipolar patient treated with oral methadone: Does methadone act as mood stabilizer?

F Etaee, S Shirdel, A Azarhomayoun, K Nasiri, **A Komaki**

Heroin Addiction and Related Clinical Problems 20 (2), 31-34 2018

Resistance training and hawthorn extract ameliorate cognitive deficits in streptozotocin-induced diabetic rats

E Zarrinkalam, K Ranjbar, I Salehi, N Kheiripour, A Komaki
Biomedicine & Pharmacotherapy 97, 503-510 2018

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

N Hashemi-Firouzi, A Komaki, SS Asl, S Shahidi
Brain research bulletin 135, 85-91 2017

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

A Sajadi, I Amiri, A Gharebaghi, A Komaki, M Asadbeigi, S Shahidi, ...
Metabolic brain disease 32 (5), 1603-1607 2017

**Investigation of thymol effect on learning and memory impairment induced by intrahippocampal injection of amyloid beta peptide in high fat diet-fed rats*

M Asadbeigi, P Yaghmaei, I Salehi, A Komaki, A Ebrahim-Habibi
Metabolic brain disease 32 (3), 827-839 2017

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

H Komaki, F Saadat, S Shahidi, A Sarihi, P Hasanein, A Komaki
Brain research bulletin 131, 168-175 2017

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

S Shahidi, S Zargooshnia, SS Asl, A Komaki, A Sarihi
Brain research bulletin 131, 142-149 2017

Expression analysis of long non-coding RNAs in the blood of multiple sclerosis patients

MM Eftekharian, S Ghafouri-Fard, M Soudyab, MD Omrani, M Rahimi, ... A Komaki,
Journal of Molecular Neuroscience 63 (3-4), 333-341 2017

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

A Gharebaghi, I Amiri, I Salehi, S Shahidi, A Komaki, M Mehdizadeh, ...
Journal of neuroscience research 95 (12), 2448-2455 2017

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

F Etaee, M Asadbeigi, Z Taslimi, S Shahidi, A Sarihi, SS Asl, A Komaki
Neuroscience letters 655, 172-178 2017

Effects of Hypericum scabrum extract on learning and memory and oxidant/antioxidant status in rats fed a long-term high-fat diet

A Ganji, I Salehi, M Nazari, M Taheri, **A Komaki**
Metabolic brain disease 32 (4), 1255-1265 2017

The importance of VEGF-KDR signaling pathway genes should not be ignored when the risk of developing multiple sclerosis is taken into consideration
M Mazdeh, R Noroozi, J Gharesouran, A Sayad, **A Komaki**, ...
Journal of Molecular Neuroscience 62 (1), 73-78 2017

Effects of Hypericum Scabrum extract on anxiety and oxidative stress biomarkers in rats fed a long-term high-fat diet
A Ganji, I Salehi, A Sarihi, S Shahidi, **A Komaki**
Metabolic brain disease 32 (2), 503-511 2017

Synaptosome-Associated Protein 25 (SNAP25) Gene Association Analysis Revealed Risk Variants for ASD, in Iranian Population
MR Safari, MD Omrani, R Noroozi, A Sayad, S Sarrafzadeh, **A Komaki**, ...
Journal of Molecular Neuroscience 61 (3), 305 2017

Interaction between the cannabinoid and vanilloid systems on anxiety in male rats
N Faraji, **A Komaki**, I Salehi
Basic and clinical neuroscience 8 (2), 129 2017

FOXP3 gene variations and susceptibility to autism: a case-control study
MR Safari, S Ghafouri-Fard, R Noroozi, A Sayad, MD Omrani, **A Komaki**, ...
Gene 596, 119-122 2017

Antinociceptive activity of Inula britannica L. and patuletin: In vivo and possible mechanisms studies
M Zarei, S Mohammadi, **A Komaki**
Journal of ethnopharmacology 219, 351-358 2017

Effects of the hydroalcoholic extract of Rosa damascena on learning and memory in male rats consuming a high-fat diet
A Rezvani-Kamran, I Salehi, S Shahidi, M Zarei, S Moradkhani, **A Komaki**
Pharmaceutical biology 55 (1), 2065-2073 2017

**Neuroprotective effects of metformin against A β -mediated inhibition of long-term potentiation in rats fed a high-fat diet*
M Asadbegi, P Yaghmaei, I Salehi, A Ebrahim-Habibi, **A Komaki**
Brain research bulletin 121, 178-185 2016

**Neuroprotective role of antidiabetic drug metformin against amyloid β peptide-induced neuronal loss in hippocampal CA1 pyramidal neurons in rats fed high fat diet*
EH Azadeh, M Asadbegi, I Salehi, P Yaghmaei, **A Komaki**
Journal of Chemical and Pharmaceutical Sciences 9 (4), 3460-3465 2016

Komaki A, Shahidi S, Lashgari R, Haghparast A, Malakouti SM, Noorbakhsh SM. , *Effects of GABAergic inhibition on neocortical long-term potentiation in the chronically prepared rat. Neurosci Lett.* 422 (2007) 181-6.

Komaki A, H. Esteky, *Effects of neonatal C-fiber depletion on neocortical long-term potentiation and depression, Brain Res.* 1054(2005) 135-142.

Shahidi S, Komaki A, Mahmoodi M, Lashgari R. The role of GABAergic transmission in the dentate gyrus on acquisition, consolidation and retrieval of an inhibitory avoidance learning and memory task in the rat Brain Res. 1204 (2008) 87-93.

Shahidi S, Komaki A, Mahmoodi M, Atrvash N, Ghodrati M. Ascorbic acid supplementation could affect passive avoidance learning and memory in rat. Brain Res Bull., 76 (2008):109-13.

Hasanein P, Shahidi S, Komaki A, Mirazi N., Effects of URB597 as an inhibitor of fatty acid amide hydrolase on modulation of nociception in a rat model of cholestasis. Eur J Pharmacol. 591(2008):132-5.

Khatibi A, Haghparast A, Shams J, Dianati E, Komaki A, Kamalinejad M. Effects of the fruit essential oil of Cuminum cyminum L. on the acquisition and expression of morphine-induced conditioned place preference in mice. Neurosci Lett., 448 (2008):94-8.

Sarihi A, Jiang B, Komaki A, Sohya K, Yanagawa Y, Tsumoto T. Metabotropic glutamate receptor type 5-dependent long-term potentiation of excitatory synapses on fast-spiking GABAergic neurons in mouse visual cortex. J Neurosci. 28 (2008)1224-35.

Malakouti SM , Kourosh Arami M, Sarihi A, Hajizadeh S, Behzadi G, Shahidi S, Komaki A, Heshmatian B , Vahabian M, Reversible Inactivation and Excitation of Nucleus Raphe Magnus

Can Modulate Tail Blood Flow of Male Wistar Rats in Response to Hypothermia, Iranian Biomedical journal 12 (2008) 237-240.

*Haghparast A, Soltani-Hekmat A, Khani A, **Komaki A.** Role of glutamatergic receptors located in the nucleus raphe magnus on antinociceptive effect of morphine microinjected into the nucleus cuneiformis of rat. *Neurosci Lett.*, 427(2007):44-9.*

*Lashgari R, Motamedi F, Noorbakhsh SM, Zahedi-Asl S, **Komaki A,** Shahidi S, Haghparast A., Assessing the long-term role of L-type voltage dependent calcium channel blocker verapamil on short-term presynaptic plasticity at dentate gyrus of hippocampus. *Neurosci Lett.* 415 (2007) 174-8.*

*A. **Komaki,** H. Esteky, F. Motamedi, Effects of capsaicin on neocortical long-term depression in awake and freely moving rat, *Neurosci. Res* 50 S1 (2004) S133.*

*A. **Komaki,** S. Shahidi , R. Lashgari, S. M. Noorbakhsh.*

*Effects of GABAergic inhibition on the neocortical long-term potentiation following C-fiber depletion in the freely moving rat, *Abstr.- Neurosci. Res* 55 S1 (2006) S 108.*

*A. Sarihi, A. **Komaki,** B. Jiang, K. Obata, Y.Yanagawa, T.Tsumoto, Plasticity of excitatory synapses to GABAergic neurons in visual cortex, *Abstr.- Neurosci. Res* 55 S1 (2006) Appendix.*

*H. Alaei, A. **Komaki,** A. Nasimi, The effect of Quinpirol and Sulpiride on Conflict responses in rat. *ACTA Medical Iranian,* 38, No.1 (2000), 14-17.*

*R. Lashgari, F. Motamedi, S. Zahedi Asl, S. Shahidi, A. **Komaki,** Behavioral and Electrophysiological studies of chronic oral administration of L-type calcium channel blocker verapamil on learning and memory in rats, *Behav. Brain Res.* 10; 171(2006):324-8.*

A. **Komaki**, S. Shahidi , R. Lashgari, S. M. Malakouti, S. M. Noorbakhsh, *Effects of neonatal nociceptive C-fiber depletion on neocortical long-term potentiation and depression*, *European Journal of Pain* , 10 (S1) (2006) S69.

A. **Komaki**, S. Shahidi, R. Lashgari, S.M. Malakooti and S.M. Noorbakhsh. *GABAergic modulation of neocortical long-term potentiation following C-fiber depletion in the freely moving rat*, *International Journal of Developmental Neuroscience*, 24 (2006) 505.

F. Farhadinasab, S. Shahidi, A. Najafi, A. **Komaki**, *Role of naloxone as an exogenous opioid receptor antagonist in spatial learning and memory of female rats during the estrous cycle*, *Brain Res* 27(2008) 65-74.

A. Sarihi, A. **Komaki** *, T. Tsumoto *Calcium signaling pathways involved in long-term potentiation at excitatory synapses on parvalbumin positive fast-spiking GABAergic neurons in mouse visual cortex*, *Yakhteh Medical Journal* 11(2010) 285-292.

A. Ghaderi, A. Sarihi, A. **Komaki**, S. Shahidi, *Tetrodotoxin functional ablation of dorsal raphe before training impaired acquisition and retrieval of spatial reference memory in male rats*, *Procedia - Social and Behavioral Sciences* 32 (2012) 403 – 410

A. Shafiee Aghdam, E. Piri, A. Sarihi, A. **Komaki**, S. Shahidi, S.M. Hosseinipناه, A. Ghaderi, N. Rahimian, N. Falah, *Effects of pre-training injection of orexin A into dorsal raphe nucleus in passive avoidance acquisition on male rats*, *Procedia - Social and Behavioral Sciences* 32 (2012) 438 – 442

Sarihi A, Yazdia M, Heshmatian B, Salehia I, Behzadi G, Naghdi N, Shahidi S, **Komaki** A, Haghparast A, Emam AH, *The effects of lidocaine reversible inactivation of the dorsal raphe nucleus on passive avoidance learning in rats* *Basic and Clinical Neuroscience* 2(4) (2012) 27-35.

Komaki A, Shahidi S, Sarihi A, Hasanein P, Lashgari R, Haghparast A, Salehi I, Kourosh Arami M, *Effects of Neonatal C-Fiber Depletion on Interaction between Neocortical Short-Term and Long-Term Plasticity*, *Basic and Clinical Neuroscience*, 4 (2) (2013) 30-37.

Karimi SA, Salehi I, **Komaki A**, Sarihi A, Zarei M, Shahidi S. *Effect of high-fat diet and antioxidants on hippocampal long-term potentiation in rats: an in vivo study*. *Brain Res.* (20) (2013) 1539:1-6.

Zarepour L, **Komaki A**, Shahidi S, Sarihi A, Haghparast A. *Potentiation of rewarding properties of morphine by concurrent chemical stimulation of lateral hypothalamus in rats*. *Pharmacol Biochem Behav.* 107 (2013) 36-41.

Mahmoodi M, Shahidi S, Hashemi-Firouzi N, **Komaki A**, *Morphological Effects of Combined Systemic Administration of Fluoxetine and Sildenafil in the Murine Hippocampus*, *Neurophysiology*, 45 (4) (2013), 293-298.

Komaki A, Khalili A, Salehi I, Shahidi S, Sarihi A. *Effects of exposure to an extremely low frequency electromagnetic field on hippocampal long-term potentiation in rat*. *Brain Res.* 2014 Apr 12. pii: S0006-8993(14)00419-3. doi: 10.1016/j.brainres.2014.03.041. [Epub ahead of print]

N Rezapoor, S Shahidi, **A Komaki**. *Effects of Agents Influencing Serotonergic and Cannabinoid Systems on Memory in the Avoidance Test in Mice*. *Neurophysiology* 46 (2), 120-125.

S Shahidi, M Arjipour, **A Komaki**, M Mahmoodi. *Differential Effects of Sildenafil (Viagra) on Processing Steps of Spatial Learning and Memory in Rat*. *Avicenna J Neuro Psych Physio.* 2014 Aug; 1(1): e18671.

A Komaki, ZK Nasab, S Shahidi, A Sarihi, I Salehi, A Ghaderi. *Anxiolytic Effects of Acute Injection of Hydro-Alcoholic Extract of Lettuce in the Elevated Plus-Maze Task in Rats*. *Avicenna J Neuro Psych Physio.* 2014 Aug; 1(1): e18695.

A Komaki, F Abdollahzadeh, A Sarihi, S Shahidi, I Salehi. Interaction between antagonist of cannabinoid receptor and antagonist of adrenergic receptor on anxiety in male rat. *Basic and Clinical Neuroscience* 5 (3), 218-224.

Interactive effects of AM251 and baclofen on synaptic plasticity in the rat dentate gyrus.

Nazari M, **Komaki A**, Salehi I, Sarihi A, Shahidi S, Komaki H, Gangi A.

Brain Res. 2016 Sep 20. pii: S0006-8993(16)30656-4. doi: 10.1016/j.brainres.2016.09.029. [Epub ahead of print]

RAR-related orphan receptor A (RORA): A new susceptibility gene for multiple sclerosis.

Eftekharian MM, Noroozi R, Sayad A, Sarrafzadeh S, Toghi M, Azimi T, **Komaki A**, Mazdeh M, Inoko H, Taheri M, Mirfakhraie R.

J Neurol Sci. 2016 Oct 15;369:259-62. doi: 10.1016/j.jns.2016.08.045. Epub 2016 Aug 24.

Modulation of nociception by medial pre-optic area orexin a receptors and its relation with morphine in male rats. Emam AH, Hajesfandiari N, Shahidi S, **Komaki A**, Ganji M, Sarihi A.

Brain Res Bull. 2016 Sep 15;127:141-147. doi: 10.1016/j.brainresbull.2016.09.009. [Epub ahead of print]

Study of the effect of extract of Thymus vulgaris on anxiety in male rats.

Komaki A, Hoseini F, Shahidi S, Baharlouei N. *J Tradit Complement Med.* 2015 Aug 1;6(3):257-61. doi: 10.1016/j.jtcme.2015.01.001. eCollection 2016 Jul.

Effects of endurance, resistance, and concurrent exercise on learning and memory after morphine withdrawal in rats. Zarrinkalam E, Heidarianpour A, Salehi I, Ranjbar K, **Komaki A**.

Life Sci. 2016 Jul 15;157:19-24. doi: 10.1016/j.lfs.2016.05.034. Epub 2016 May 24.

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, Shahidi S, Sarihi A, Komaki H.

Brain Res. 2016 Jul 15;1643:27-34. doi: 10.1016/j.brainres.2016.04.058. Epub 2016 Apr 27.

Investigating the effect of hydro-alcoholic extract of Salix aegyptiaca on anxiety in male rat.

Komaki A, Hashemi-Firouzi N, Kakaei S, Shahidi S, Sarihi A, Salehi I.

Adv Biomed Res. 2015 Nov 30;4:258. doi: 10.4103/2277-9175.170683. eCollection 2015.

Study the Effect of Endocannabinoid System on Rat Behavior in Elevated Plus-Maze.

Komaki A, Hashemi-Firouzi N, Shojaei S, Souri Z, Heidari S, Shahidi S.

Basic Clin Neurosci. 2015 Jul;6(3):147-53.

Neuroprotective effects of metformin against A β -mediated inhibition of long-term potentiation in rats fed a high-fat diet. Asadbegi M, Yaghmaei P, Salehi I, Ebrahim-Habibi A, **Komaki A**. *Brain Res Bull.* 2016 Mar;121:178-85. doi: 10.1016/j.brainresbull.2016.02.005. Epub 2016 Feb 6.

Nitric oxide in the nucleus raphe magnus modulates cutaneous blood flow in rats during hypothermia. Arami MK, Zade JM, **Komaki A**, Amiri M, Mehrpooya S, Jahanshahi A, Jamei B.

Iran J Basic Med Sci. 2015 Oct;18(10):989-92.

The interactive role of CB(1) and GABA(B) receptors in hippocampal synaptic plasticity in rats.

Nazari M, **Komaki A**, Karamian R, Shahidi S, Sarihi A, Asadbegi M. *Brain Res Bull.* 2016 Jan;120:123-30. doi: 10.1016/j.brainresbull.2015.11.013. Epub 2015 Nov 28.

Effects of vitamin E on lead-induced impairments in hippocampal synaptic plasticity.

Salehi I, Karamian R, **Komaki A**, Tahmasebi L, Taheri M, Nazari M, Shahidi S, Sarihi A.

Brain Res. 2015 Dec 10;1629:270-81. doi: 10.1016/j.brainres.2015.10.007. Epub 2015 Oct 20.

Effects of activation and blockade of orexin A receptors in the medial preoptic area on food intake in male rats. Sarihi A, Emam AH, Panah MH, **Komaki A**, Seif S, Vafaeirad M, Alaii E.

Neurosci Lett. 2015 Sep 14;604:157-60. doi: 10.1016/j.neulet.2015.07.050. Epub 2015 Aug 3.

Effect of Calendula officinalis hydroalcoholic extract on passive avoidance learning and memory in streptozotocin-induced diabetic rats. Moradkhani S, Salehi I, Abdolmaleki S, **Komaki A**. *Anc*

Sci Life. 2015 Jan-Mar;34(3):156-61. doi: 10.4103/0257-7941.157160.

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. *Pharmacol Biochem Behav*. 2015 Aug;135:192-8. doi: 10.1016/j.pbb.2015.06.004. Epub 2015 Jun 11.

Vitamin C reverses lead-induced deficits in hippocampal synaptic plasticity in rats.

Karamian R, **Komaki A**, Salehi I, Tahmasebi L, Komaki H, Shahidi S, Sarihi A.

Brain Res Bull. 2015 Jul;116:7-15. doi: 10.1016/j.brainresbull.2015.05.004. Epub 2015 May 21.

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

Eur J Pharmacol. 2015 Jun 15;757:68-73. doi: 10.1016/j.ejphar.2015.03.063. Epub 2015 Apr 2.

Effect of vitamin E on lead exposure-induced learning and memory impairment in rats.

Khodamoradi N, **Komaki A**, Salehi I, Shahidi S, Sarihi A. *Physiol Behav*. 2015 May 15;144:90-4. doi: 10.1016/j.physbeh.2015.03.015. Epub 2015 Mar 14.

The treatment combination of vitamins E and C and astaxanthin prevents high-fat diet induced memory deficits in rats. **Komaki A**, Karimi SA, Salehi I, Sarihi A, Shahidi S, Zarei M.

Pharmacol Biochem Behav. 2015 Apr;131:98-103. doi: 10.1016/j.pbb.2015.02.008. Epub 2015 Feb 14.

Effects of cannabinoid and glutamate receptor antagonists and their interactions on learning and memory in male rats. Barzegar S, **Komaki A**, Shahidi S, Sarihi A, Mirazi N, Salehi I.

Pharmacol Biochem Behav. 2015 Apr;131:87-90. doi: 10.1016/j.pbb.2015.02.005. Epub 2015 Feb 13.

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 SA, **Komaki A**, Salehi I, Sarihi A, Shahidi S. *Neurochem Res.* 2015 Apr;40(4):811-7. doi: 10.1007/s11064-015-1531-3. Epub 2015 Feb 6.

Interaction between Antagonist of Cannabinoid Receptor and Antagonist of Adrenergic Receptor on Anxiety in Male Rat. **Komaki A**, Abdollahzadeh F, Sarihi A, Shahidi S, Salehi I. *Basic Clin Neurosci.* 2014 Summer;5(3):218-24.

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. *Brain Res.* 2014 May 20;1564:1-8. doi: 10.1016/j.brainres.2014.03.041. Epub 2014 Apr 12.

Effects of Neonatal C-Fiber Depletion on Interaction between Neocortical Short-Term and Long-Term Plasticity. **Komaki A**, Shahidi S, Sarihi A, Hasanein P, Lashgari R, Haghparast A, Salehi I, Arami MK. *Basic Clin Neurosci.* 2013 Spring;4(2):136-45.

Publications in local Journals

Boochani A, **Komaki A**, Nasri S, *Effects of lead (Pb) exposure on anxiety in rats*
Journal of Birjand University of Medical Sciences. 18 (4) (2012) 257-264.

Bashir Gonbadi B, **Komaki A**, Nasri S, Shahidi S, Sarihi A, *Interaction between cannabinoid receptors and inhibition of L-type calcium channel on passive avoidance learning and memory in male rat, Physiology and pharmacology, in press*

Sarihi A, **Komaki A**, Tsumoto T, (S)- 3,5-Dihydroxyphenylglycine (an agonist for group I metabotropic glutamate receptors) induced synaptic potentiation at excitatory synapses on fast spiking GABAergic cells in visual cortex, *Physiology and pharmacology*, 12 (2008) 83-90.

Alaei H, Komaki A, The effect of Quinpirol and Sulpiride on the brain waves in conscious and anesthetized rat. The Journal of Faculty of Medicine, No.3 (1998), 1-8.

Shirafkan T, Sarihi A, Komaki A, Role of capsaicin receptors in periaqueductal gray on pain modulation in diabetic rats, Feyz 17 (4) (2013) 345-351.

Komaki A, Rastegarmanesh M, Sarihi A, The Effect of Hydro-alcoholic Extract of Ficus Carica on Passive Avoidance Learning and Memory in Male Rats, Scientific Journal of Hamadan University of Medical Sciences 20 (4) (2014) 312.

T Shirafkan, A Sarihi, A Komaki, Role of capsaicin receptors in periaqueductal gray on pain modulation in diabetic rats, KAUMS Journal (FEYZ) 17 (4), (2013) 345-351

A Komaki, B Rasouli, S Rasouli, S Shahidi, A Sarihi Inhibition of endogenous cannabinoid breakdown in the presence of verapamil on learning and memory in a rat. KAUMS Journal (FEYZ) 18 (2), (2014) 101-109.

A Sarihi, Z Mohammadi, N Mirazi, A Komaki, Effect of post-training flumazenil administration on baclofen-induced amnesia in passive avoidance learning, KAUMS Journal (FEYZ) 18 (2), (2014) 110-115.

A Komaki, M Rastegarmanesh, A Sarihi, The Effect of Hydro-alcoholic Extract of Ficus Carica on Passive Avoidance Learning and Memory in Male Rats. Sci J Hamadan Univ Med Sci (SJHUMS) 20 (4) (2014) :312-319)