

Curriculum Vitae

Surname: Salehi **First name:** Iraj

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Nationality: Iranian

Present Position: Professor of Physiology at faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran.

Educational Background:

١. B. Sc. in Nursing, Faculty of Sciences, Tehran, Iran, 1984-1990.
٢. M. Sc. in Aneasthesia, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran, 1991-1992.
٣. Ph. D. in Medical Physiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran, 2003-2007.

Profession carrier:

١. Faculty member as instructor (~1995-2000) and assistant professor (1994-2012) at faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran.
٢. Faculty member as associate professor (2012-2016) and professor (2016 up to now) at faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran.
٣. Member of Neurophysiology Research Center Hamadan university of Medical Sciences, Hamadan, Iran (2014 up to now).
٤. Member of Chronic Diseases (Home Care) Research Center, Hamadan University of Medical Sciences, Hamadan, Iran (2014 up to now).
٥. Head of Faculty of Paramedicine, Hamadan University of Medical Sciences (2011 - 2018)
٦. Head of Faculty of Nahavand Paramedicine, Hamadan University of Medical Sciences (2010 up to now)

Member of Academic Societies : Iranian physiology and Pharmacology Society

Research experience:

- 1- Additional ECT increases BDNF-levels in patients suffering from major depressive disorders compared to patients treated with citalopram only. M Haghghi, I Salehi, P Erfani, L Jahangard, H Bajoghli, ...
Journal of psychiatric research 47 (7), 908-915
- 2- Physical activity among a sample of Iranians aged over 60 years: an application of the transtheoretical model. L Salehi, H Eftekhari, K Mohammad, MH Taghdisi, D Shojaeizadeh Archives of Iranian Medicine (AIM) 13 (6)
- 3- Effect of high-fat diet and antioxidants on hippocampal long-term potentiation in rats: an in vivo study. SA Karimi, I Salehi, A Komaki, A Sarihi, M Zarei, S Shahidi, Brain research 1539, 1-6
- 4- Electroconvulsive therapy and aerobic exercise training increased BDNF and ameliorated depressive symptoms in patients suffering from treatment-resistant major depressive disorder. I Salehi, SM Hosseini, M Haghghi, L Jahangard, H Bajoghli, M Gerber, ..., Journal of psychiatric research 57 (1), 117-124
- 5- Effect of exercise on diabetes-induced oxidative stress in the rat hippocampus M Alipour, I Salehi, FG Soufi, Iranian Red Crescent Medical Journal 14 (4), 222
- 6- The treatment combination of vitamins E and C and astaxanthin prevents high-fat diet induced memory deficits in rats, A Komaki, SA Karimi, I Salehi, A Sarihi, S Shahidi, M Zarei Pharmacology Biochemistry and Behavior 131, 98-103
- 7- 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
- 8- The relationship between religious beliefs and locus of control with mental health L Salehi, L SOLEYMANIZADEH, YSA BAGHERI, A Abbaszadeh, THE JOURNAL OF QAZVIN UNIVERSITY OF MEDICAL SCIENCES 11 (142), 50-55
- 9- Effect of vitamin E on lead exposure-induced learning and memory impairment in rats N Khodamoradi, A Komaki, I Salehi, S Shahidi, A Sarihi, Physiology & behavior 144, 90-94
- 10- Effects of exposure to an extremely low frequency electromagnetic field on hippocampal long-term potentiation in rat. A Komaki, A Khalili, I Salehi, S Shahidi, A Sarihi, Brain research 1564, 1-8
- 11- Protective effects of antioxidants on sperm parameters and seminiferous tubules epithelium in high fat-fed rats. M Mortazavi, I Salehi, Z Alizadeh, M Vahabian, AM Roushandeh, Journal of reproduction & infertility 15 (1), 22

- 12- The interactive role of cannabinoid and vanilloid systems in hippocampal synaptic plasticity in rats L Tahmasebi, A Komaki, R Karamian, S Shahidi, A Sarihi, I Salehi, ...*European journal of pharmacology* 757, 68-73
- 13- Effects of cannabinoid and glutamate receptor antagonists and their interactions on learning and memory in male rats. S Barzegar, A Komaki, S Shahidi, A Sarihi, N Mirazi, I Salehi, *Pharmacology Biochemistry and Behavior* 131, 87-90
- 14- Exposure of rats to extremely low-frequency electromagnetic fields (ELF-EMF) alters cytokines production. I Salehi, KG Sani, A Zamani, *Electromagnetic biology and medicine* 32 (1), 1-8
- 15- Effects of vitamin E on lead-induced impairments in hippocampal synaptic plasticity I Salehi, R Karamian, A Komaki, L Tahmasebi, M Taheri, M Nazari, ...*Brain research* 1629, 270-281
- 16- Vitamin C reverses lead-induced deficits in hippocampal synaptic plasticity in rats R Karamian, A Komaki, I Salehi, L Tahmasebi, H Komaki, S Shahidi, ...*Brain research bulletin* 116, 7-15
- 17- 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 SA Karimi, A Komaki, I Salehi, A Sarihi, S Shahidi, *Neurochemical research* 40 (4), 811-817
- 18- Effects of age increment and 36-week exercise training on antioxidant enzymes and apoptosis in rat heart tissue. N Ahmadiasl, FG Soufi, M Alipour, M Bonyadi, F Sheikhzadeh, ...*Journal of sports science & medicine* 6 (2), 243
- 19- Electroconvulsive therapy (ECT) and aerobic exercise training (AET) increased plasma BDNF and ameliorated depressive symptoms in patients suffering from major depressive disorder. I Salehi, SM Hosseini, M Haghghi, L Jahangard, H Bajoghli, M Gerber, ...*Journal of psychiatric research* 76, 1-8
- 20- Effects of Hypericum Scabrum extract on anxiety and oxidative stress biomarkers in rats fed a longterm high-fat diet. A Ganji, I Salehi, A Sarihi, S Shahidi, A Komaki, *Metabolic brain disease* 32 (2), 503-511
- 21- Effects of endurance, resistance, and concurrent exercise on learning and memory after morphine withdrawal in rats. E Zarrinkalam, A Heidarianpour, I Salehi, K Ranjbar, A Komaki. *Life sciences* 157, 19-24
- 22- Resveratrol attenuates visfatin and vaspin genes expression in adipose tissue of rats with type 2 diabetes. S Asadi, MT Goodarzi, M Saidijam, J Karimi, RY Azari, AR Farimani, ..., *Iranian journal of basic medical sciences* 18 (6), 537
- 23- Effect of Calendula officinalis hydroalcoholic extract on passive avoidance learning and memory in streptozotocin-induced diabetic rats. S Moradkhani, I Salehi, S Abdolmaleki, A Komaki, *Ancient science of life* 34 (3), 156

- 24- Amlodipine attenuates oxidative stress in the heart and blood of high-cholesterol diet rabbits I Salehi, M Mohammadi, F Mirzaei, FG Soufi, Cardiovascular journal of Africa 23 (1), 18
- 25- Moderate exercise enhances the production of interferon- γ and interleukin-12 in peripheral blood mononuclear cells. A Zamani, I Salehi, M Alahgholi-Hajibehzad, Immune network 17 (3), 186-191
- 26- Investigation of thymol effect on learning and memory impairment induced by intrahippocampal injection of amyloid beta peptide in high fat diet-fed rats. M Asadbegi, P Yaghmaei, I Salehi, A Komaki, A Ebrahim-Habibi, Metabolic brain disease 32 (3), 827-839
- 27- Effect of hydroalcoholic leaves extract of *Rhus Coriaria* on pain in male rats, S Mohammadi, M Zarei, MM Zarei, I Salehi, Anesthesiology and pain medicine 6 (1)
- 28-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
- 29- Protective effects of restricted diet and antioxidants on testis tissue in rats fed with high-fat diet, AM Roushandeh, I Salehi, M Mortazavi, Iranian biomedical journal 19 (2), 96
- 30- Anxiolytic effects of acute injection of hydro-alcoholic extract of lettuce in the elevated plus-maze task in rats. A Komaki, ZK Nasab, S Shahidi, A Sarihi, I Salehi, A Ghaderi, Avicenna Journal of Neuro Psych Physiology, 1 (1)
- 31- The effect of regular training on plasma cytokines response in healthy and diabetic rats. M Bonyadi, R Badalzadeh, M Mohammadi, S Poozesh, I Salehi, Saudi medical journal 30 (11), 1390-1394
- 32- The pattern of brain-derived neurotrophic factor gene expression in the hippocampus of diabetic rats I Salehi, S Farajnia, M Mohammadi, M Sabouri Ghannad, Iranian Journal of Basic Medical Sciences 13 (3), 146-153
- 33- Effect of regular swimming on oxidative stress and atherogenic index in blood of diabetic male rats, I Salehi, M Mohammadi, S Farajnia, FG Sophi, R Badalzadeh, ...Scientific Journal of Hamadan University of Medical, Sciences 14 (3), 29-35
- 34- Evaluation of microbial and physico-chemical quality of bottled water produced in Hamadan province of Iran. I Salehi, M Ghiasi, AR Rahmani, MN Sepehr, M Kiamanesh, L Rafati, Journal of food quality and hazards control 1 (1), 21-24

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- 50- Extremely Low Frequency Electromagnetic Fields Decrease Serum Levels of Interleukin-17, Transforming Growth Factor- β and Downregulate Foxp3 Expression in ...L Mahdavinejad, M AlahgholiHajibehzad, MM Eftekharian, ...*Journal of Interferon & Cytokine Research* 38 (10), 457-462
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