

Personal Resume

Personal Information

First and Last Name: Iraj salehi
Employment Status: formal
Educational Department: Anesthesia
Academic Rank: Professor of Physiology
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Educational Information

Specialized or Professional Doctorate : PHD in Medical Physiology
Thesis or Dissertation Title:
Year of Graduation:2007

Master's Degree: MSc in Anesthesia
Thesis Title:
Year of Graduation :1992

Bachelor's Degree: BSc in Nursing
Year of Graduation:1990

Executive Records:

1. Member of Neurophysiology Research Center Hamadan university of Medical Sciences, Hamadan, Iran (2014 up to now).
2. Member of Chronic Diseases (Home Care) Research Center ,Hamadan University of Medical Sciences ,Hamadan ,Iran (2014 up to now).
3. Head of Faculty of Paramedicine, Hamedan University of Medical Sciences (2011 - 2018)
4. Head of Faculty of Nahavand Paramedicine, Hamedan University of Medical Sciences (2010 up to now)

Membership in local, provincial, national, and international associations and societies:

Iranian physiology and Pharmacology Society

Educational Records:

Teaching Records:

Faculty member as instructor (~1995-2000) and assistant professor (1994-2012) at faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran.

Faculty member as associate professor (2012-2016) and professor (2016 up to now) at faculty of Medicine, Hamadan University of Medical Sciences, Hamadan, Iran

Thesis:

Research Background

Research Interests:

Published Books:

Published Articles:

1. Additional ECT increases BDNF-levels in patients suffering from major depressive disorders compared to patients treated with citalopram only. M Haghighi, 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 Haghighi, 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 Haghighi, 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 long-term 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

35. Effects of neonatal C-fiber depletion on interaction between neocortical short-term and long-term plasticity. A Komaki, S Shahidi, A Sarihi, P Hasanein, R Lashgari, A Haghpourast, ...Basic and clinical neuroscience 4 (2), 136
36. Effects of neonatal C-fiber depletion on interaction between neocortical short-term and long-term plasticity. A Komaki, S Shahidi, A Sarihi, P Hasanein, R Lashgari, A Haghpourast, ...Basic and clinical neuroscience 4 (2), 136
37. Prevalence and reasons for cosmetic products use among female students in Hamedan Universities
F Jalilian, M Ahmadpanah, M Karimi, I Salehi, S Emdadi, Journal of Dermatology and Cosmetic 3 (1), 9-15
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39. Interactive effects of AM251 and baclofen on synaptic plasticity in the rat dentate gyrus
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Brain research bulletin 137, 338-350
41. 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
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43. 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
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44. 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
45. Long-term Exposure to Extremely Low Frequency Electromagnetic Field and Melatonin Production by Blood Cells. H Seifpanahi-Shabani, M Abbasi, I Salehi, Z Yousefpour, A Zamani, The international journal of occupational and environmental medicine 7 (3) ...
46. 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
47. Controversial effects of *Calendula officinalis* L. on biochemical and pathological factors of nephropathy in diabetic Wistar rats. I Salehi, S Moradkhani, AM Roushandeh, H Nazari, AP Ravan
Avicenna J Med Biochem 3, e29238
48. The effects of lidocaine reversible inactivation of the dorsal raphe nucleus on passive avoidance learning in rats. A Sarihi, M Yazdi, B Heshmatian, I Salehi, G Behzadi, N Naghdi, ...Basic and Clinical Neuroscience 2 (4), 27-35
49. The effect of fresh garlic on the lipid profile and atherosclerosis development in male rats fed with a high ghee diet. I Salehi, A Vahidinia, A Bakhtiari, P Mohammadi, A Sukumaran, ...International Journal of Pharmacy and Pharmaceutical Sciences 7 (9), 486-490
50. Extremely Low Frequency Electromagnetic Fields Decrease Serum Levels of Interleukin-17, Transforming Growth Factor- β and Downregulate Foxp3 Expression in ... L Mahdavinejad, M Alahgholi-Hajibehzad, MM Eftekharian, ...Journal of Interferon & Cytokine Research 38 (10), 457-462

51. Hepatoprotective effects of *Vaccinium arctostaphylos* against CCl₄-induced acute liver injury in rats
AP Ravan, M Bahmani, HRG Basir, I Salehi, EA Oshaghi, Journal of basic and clinical physiology and pharmacology 28 (5), 463-471
52. Wrestlers' immune cells produce higher interleukin-6 and lower interleukin-12 and interleukin-13 in response to in vitro mitogen activation, A Zamani, M Omid, A Hemmatfar, I Salehi, H Bazmamoun. Iranian journal of basic medical sciences 17 (11), 917
53. The ability of bispectral-guided management compared to routine monitoring for reflecting awareness rate in patients undergoing abdominal surgery. H Mozafari, AA Fakhr, I Salehi, A Moghimbigi
Iranian Red Crescent Medical Journal 16 (9).
54. 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
55. Interaction Between L-Type Calcium Channels and Antagonist of Cannabinoid System on Anxiety in Male Rat. A Komaki, A Haghighooyan, S Shahidi, A Sarihi, I Salehi, Avicenna Journal of Neuro Psych Physiology 1 (2)
56. ASSESSMENT OF LEAD AND CADMIUM CONTAMINATION AND INFLUENCING FACTORS IN RAW MILK FROM REGIONS OF HAMADAN PROVINCE A VAHIDINIA, I SALEHI, H BEYGINEJAD, J POURTAGHI, Z NAZARI, ...JOURNAL OF FOOD HYGIENE 3 (311), 39-47
57. 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
58. High Fat Diet-Induced Neurotoxicity Alters Following vitamin E and C Administration in Hippocampus of Male Rats. I Salehi, M Saidijam, AA Vahidinia, M Sohrabi, SS Asl. Gene, Cell and Tissue
59. The Effect of Commiphora Mukul of Hydro Alcoholic Extract on Cardiac Enzymes, Lipid Profile and Blood Glucose in Diabetic Male Rats. G Omid, I Salehi, S Moradkhani. Journal of Shahid Sadoughi University of Medical Sciences 23 (1), 1816-1825
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I Salehi, M Shahab Soleimani, M Pourjafar, F Ghasemi Moravej, ...Anatomical Sciences Journal 12 (3), 137-140
61. Hydro-alcoholic Extract of Commiphora mukul Gum Resin May Improve Cognitive Impairments in Diabetic Rats. I Salehi, Z Taheraslani, S Moradkhani, Avicenna J Med Bio 2 (2)
62. The effect of *Althaea officinalis*. L root alcoholic extract on blood sugar level and lipid profiles of streptozotocin induced-diabetic rats. S Changizi Ashtiyani, P Yarmohammadi, N Hosseini, I Salehi, ...Iranian Journal of Endocrinology and Metabolism 17 (3), 238-250
63. Investigating the effect of hydro-alcoholic extract of *Salix aegyptiaca* on anxiety in male rat
A Komaki, N Hashemi-Firouzi, S Kakaei, S Shahidi, A Sarihi, I Salehi, Advanced biomedical research 4
64. Protective Effect of Vitamin E Against Lead-induced Memory and Learning Impairment in Male Rats. I Salehi, SM SAHAB, M Poorhamze, MF GHASEMI, A Komaki, ...AVICENNA JOURNAL OF NEURO PSYCHO PHYSIOLOGY 2 (1), 0-0
65. Bispectral index facilitates postoperative recovery of elderly patients undergoing abdominal surgery. A Asadi Fakhr, I Salehi, H Mozafari, Bimonthly Journal of Hormozgan University of Medical Sciences 17 (3), 213-220
66. Evaluation of Cadmium residue levels in raw milk from regions of hamedan province in Iran, with emphasis on factors that affect on the residue of cadmium in raw milk. M Moradi, I Salehi, A Moghimbeygi, HB Negad, J Pourtaghi, Z Nanzari, Middle East Journal of Scientific Research 11 (3), 324-328

67. Evaluation of Radiation Dose Received by Operating Room Personnel During Radiological Procedures, A Heydari, KSK GHAZI, I SALEHI, AA SHARAFI, N ROSTAMPOUR. JOURNAL OF ZANJAN UNIVERSITY OF MEDICAL SCIENCES AND HEALTH SERVICES 19 (74 ...

68. 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

69. Effect of Extremely Low Frequency Electromagnetic Fields on Expression of T-bet and GATA-3 Genes and Serum Interferon- γ and Interleukin-4. M Sobhanifard, MM Eftekharian, G Solgi, S Nikzad, I Salehi, ...Journal of Interferon & Cytokine Research

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Life Sciences 213, 102-108

71. Cholecystokinin (CCK) level is higher among first time suicide attempters than healthy controls, but is not associated with higher depression scores. L Jahangard, R Solgy, I Salehi, SK Taheri, E Holsboer-Trachsler, ...Psychiatry research 266, 40-46

72. 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

73. The comparative effect of different types of honey on levels of glucose, fructosamine and insulin in Streptozocin-induced diabetes in wistar rats. A Mohammadimanesh, HM Khosravi, AA Vahidiniya, S Doaei, I Salehi, ...South Asian Journal of Experimental Biology 6 (1), 39-44

74. Influence of physical exercise on interleukin-17, cortisol and melatonin levels in serum, whole blood and mitogen activated peripheral blood mononuclear cells. M Zarei, G Farokhi Fard, I Salehi, A Sarihi, A Zamani, Health Sciences 5 (10), 77-83

75. Comparison of decision support systems for diabetes prediction. M Jahani, J Rezaenoor, E Hadavandi, I Salehi, H Tahsini, Iranian Journal of Epidemiology 11 (2), 46-53

76. Garlic Powder Effect on Plasma Renin Activity, and Cardiovascular Effects of Intravenous Angiotensin I and Angiotensin II in Normotensive and Hypertensive Male Rats. A Vahidinia, B Heshmatian, I Salehi, M Zarei, Avicenna Journal of Medical Biochemistry 3 (2)

Research Projects:

Participation in Conferences and Meetings