CURRICULUM VITAE (Last updated Nov. 2018)



Siyavash Joukar, PhD,

Associate Professor of Physiology

Personal

Born: 26 May, 1966, Kazeroon, Fars, Iran.

Citizenship: Iranian

Present position and address:

Associate Professor of Physiology,
Department of physiology and pharmacology, School of Medicine, Kerman University of medical sciences, Kerman, Iran
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Educational background:

- B.Sc. (1994). Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- M.Sc. (2001). Kerman Medical University, Iran.
- Ph.D. (2009). Kerman Medical University, Iran.
  (Medical physiology, Ph.D Thesis: Short and long term effects of passive opium smoking on cholesterol, arterial blood pressure, cardiac contractility and cardiac resistance to ischemia in normal and hypercholesterolemic rabbits).

Employment record:

1991-2006: Hospital personnel (clinical and instructor supervisor and

hospital manager) Bushher University of Medical Sciences, Bushher, Iran.
2007-2008: Lab. expert,
2009-2013: Assistant Professor of Medical Physiology, Department of Physiology and Pharmacology, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran.
2013-Present: Associate Professor of Medical Physiology, Department of Physiology and Pharmacology, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran.
2012-Present: Dean of School of Medicine Post Graduate office, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran.

Research Interest:

-Cardiovascular and Muscle: Physiology, Pathology, Toxicology and Pharmacology

-Neurosciences: Toxcicity, Convulsion, Epilepsy

Training Workshops, Congresses and Seminars:

1. 17th Iranian Congress of Physiology & Pharmacology Kerman-Iran oct. 1-4, 2005
2. The student corneress of 17th Iranian Congress of Physiology & Pharmacology, 1-2 October 2005 Kerman University of Medical Science
3. National Congress of Gerontology and Geriatrics, Isfahan University of Medical Sciences, Iran 2004
4. National Congress of Stress Related Diseases, Shiraz University of Medical Sciences, Iran 2004
5. 1st National Congress of Sources Management in Hospital Ministry of Health Services and Medical Education, Tehran-Iran 2002
6. 18th Iranian Congress of Physiology & Pharmacology Mashhad-Iran 2007
7. 19th Iranian Congress of Physiology & Pharmacology Tehran-Iran 2009
8. 11th Iranian Nutrition Congress Shiraz-Iran 2010
9. 36th Congress of IUPS Kyoto- Japan 2009
10. 2nd National Congress of quality comprehensive Management in Health Services and Medical Education, Tehran-Iran 2003
11. Certificate of PCR Workshop, Kerman Neuroscience Research center, Kerman University of Medical Science, Iran 2007
12. Certificate of Brain Inflammation Method Establishment Workshop, Kerman Neuroscience Research center, Kerman University of Medical Science, Iran 2005
13. Certificate of Research in Education Workshop, Kerman University of Medical Science, Iran 2008
14. Certificate of 1st National Advanced Electrophysiology and Animal Heart Models Workshop, Gorgan University of Medical science, Iran 2007
15. Certificate of 2nd Powerlab workshop in Research and Education and

Advanced Techniques in Bio Sciences, Shahid Beheshti Medical science University, Tehran, Iran
16. Certificate of 1st Advanced Research Method Education Workshop, Kerman University of Medical Science, Iran 2005
17. Certificate of Writing Article Principle Workshop, Kerman University of Medical Science, Iran 2008
18. Certificate of Electronic Resources of Iranian Medical Digital National Library Workshop, Kerman University of Medical Science, Iran 2008
19. Certificate of Scholarship Workshop, Kerman University of Medical Science, Iran 2010
20. Certificate of Examination Analyze Workshop, Kerman University of Medical Science, Iran 2010
21. 20th Iranian Congress of Physiology & Pharmacology Hamadan-Iran 2011
22. Turkish FEPS Physiology Congress, Istanbul, Turki, September 2011
23. The 17th National and 5th International Iranian Biology Conference, 14-16 Shahrivar 1391 (2012), Kerman, Iran.
24.21th International Iranian Congress of Physiology & Pharmacology, 23-27 August 2013, Tabriz, Iran.
25. 3rd International Preventive Cardiology Congress, 3-5 October 2014, Shiraz, Iran

26. 22th International Iranian Congress of Physiology & Pharmacology, 17 - 21 September 2015, Kashan, Iran.

27. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology, Chabahar, Iran, 15-18 Feb. 2018

Publications

- **Publications in international Journals**

1- **Siyavash Joukar** • Hamid Najafipour • Mohammad Khaksari • Gholamreza Sepehri • Nader Shahrokhi • Shahriar Dabiri • Ahmad Gholamhoseinian • Soheil Hasanzadeh, The Effect of Saffron Consumption on Biochemical and Histopathological Heart Indices of Rats with Myocardial Infarction. Cardiovasc Toxicol, 2010, 10: 61-71

2- **Siyavash Joukar** • Hamid Najafipour, Reza Malekpour, Fatemeh Mirzaeipour, Hamidreza Nasri.
The effect of passive opium smoking on cardiovascular indices of rabbits with normal and ischemic hearts. The Open Cardiovascular Medicine Journal. 2010,4: 1-6

3- Hamid Najafipour, **Siyavash Joukar**, Reza Malekpour, Fatemeh Mirzaeipour,

Hamidreza Nasri. Passive opium smoking dose not have beneficial effect on plasma lipids and cardiovascular indices in hypercholesterolemic rabbits with ischemic and non ischemic hearts. Journal of Ethnopharmacology, 2010, 127: 257-263

4- **Siyavash Joukar**, Nafiseh Atapour, Tajpari Kalantaripour, Hamideh Bashiri , Alireza Shahidi. Differential modulatory actions of GABAA agonists on susceptibility to GABAA antagonists-induced seizures in morphine dependent rats: Possible mechanisms in seizure propensity. Pharmacology, Biochemistry and Behavior 99 (2011) 17–21

5.**Joukar S.**, Najafipour H., Dabiri S., Sheibani V., Esmaeili-Mahani S., Ghotbi P., Bashiri H., Amanallahi F., Joukar F. Chronic co-administration of morphine and calcium channel antagonists ameliorates isoproterenol-induced myocardial injury in rats. Cardiovascular & Hematological Agents in Medicinal Chemistry, 2011, 9, 218-224

6. **Siyavash Joukar** & Hamideh Bashiri & Shahriar Dabiri & Payam Ghotbi &Arash Sarveazad & Kouros Divsalar & Farzin Joukar & Mahsa Abbaszadeh. Cardiovascular effects of black tea and nicotine alone or in combination against experimental induced heart injury. J Physiol Biochem (2012) 68:271–279

7. Hamid Najafipour, **Siyavash Joukar**. Combination of opium smoking and hypercholesterolemia augments susceptibility for lethal cardiac arrhythmia and atherogenesis in rabbit. Environmental Toxicology and Pharmacology, 3 4 (2 0 1 2) 154–159

8. **Siyavash Joukar**, Beydolah Shahouzehi, Hamid Najafipour, Ahmad Gholamhoseinian, Farzin Joukar. Ameliorative effect of black tea on nicotine induced cardiovascular pathogenesis in rat. EXCLI Journal 2012;11:309-317

9. Nader Shahrokhi , Mohammad Khaksari Haddad, **Siyavash Joukar**, Mohammad Shabani1, Zekie Keshavarzi4 and Bidoallah Shahozehi Neuroprotective antioxidant effect of sex steroid hormones in traumatic brain injury. Pak. J. Pharm. Sci., Vol.25, No.1, January 2012, pp.219-225

10. A. Gholamhoseinian, B. Shahouzehi. **S. Joukar**, et al. Effect of Quercus infectoria and Rosa damascena on Lipid Profile and Atherosclerotic Plaque Formation in Rabbit Model of Hyperlipidemia. Pak. J. Biol. Sci., 15(1):27-33, 2012

11. **Siyavash Joukar**, Mohammad Sheibani, Farzin Joukar, Cardiovascular effect of nifedipine in morphine dependent rats hemodynamic, histopathological, and biochemical evidence. Croat Med J. 2012;53:343-9

12. **Siyavash Joukar**, electrocardiogram alterations following one-week consumption of crocus sativus l. (saffron). EXCLI Journal 2012;11:480-486

13.زهرا سلطانی، محمد خاکساری، علیرضا سرکاکی، زکیه کشاورزی، فرزانه اسماعیلی، **سیاوش جوکار**:
نقش سیتوکین های پیش برنده التهاب در واسطه گری اثر ضد خیز مغزی استروئیدهای جنسی زنانه بعد از جراحت تروماتیک مغزی، مجله دانشگاه ع. پ. کرمان، دوره 18، 1390.

14. **Siyavash Joukar**, Hamid Najafipour, Fateme Mirzaeipour, Hamidreza Nasri, Mahboubeh Yeganeh Haj Ahmadi, Marziyeh Badinloo: Modulatory effect of semelil (angipars™) on Isoproterenol induced cardiac injury, EXCLI Journal 2013;12:122-129

15. **Joukar S**, Ghasemipour-Afshar E, Sheibani M, Naghsh N, Bashiri A. Protective effects of saffron (Crocus sativus) against lethal ventricular arrhythmias induced by heart reperfusion in rat: a potential anti-arrhythmic agent. Pharm Biol. 2013 Jul;51(7):836-43.

16. Khaksari M, Mahmmodi R, Shahrokhi N, Shabani M, **Joukar S**, Aqapour M.The Effects of Shilajit on Brain Edema, Intracranial Pressure and Neurologic Outcomes following the Traumatic Brain Injury in Rat. Iran J Basic Med Sci. 2013 Jul;16(7):858-64.

17. **Joukar S**, Ghorbani-Shahrbabaki S, Hajali V, Sheibani V, Naghsh N. Susceptibility to life-threatening ventricular arrhythmias in an animal model of paradoxical sleep deprivation. Sleep Med. 2013 Dec;14(12):1277-82.

18. **Joukar S**, Askarzadeh M, Shahouzehi B, Najafipour H, Fathpour H. Assessment of Safety and Therapeutic Efficacy of Rosa damascena L. and Quercus infectoria on Cardiovascular Performance of Normal and Hyperlipidemic Rabbits: Physiologically Based Approach. J Toxicol. 2013;2013:769143.

19. **Joukar S**, Najafipour H, Dabiri S, Sheibani M, Sharokhi N. Cardioprotective Effect of Mumie (Shilajit) on Experimentally Induced Myocardial Injury.Cardiovasc Toxicol. 2014 Sep;14(3):214-21.

20. **Joukar S**, Zarisfi Z, Sepehri Gh, Bashiri A. Efficacy of Melissa officinalis in Suppressing Ventricular Arrhythmias following Ischemia-Reperfusion of the Heart: A Comparison with Amiodarone. Med Princ Pract, 2014;23(4):340-5.

21. Najafipour H, Siahposht Khachaki A, Khaksari M, Shahouzehi B, **Joukar S**, Poursalehi HR. Traumatic brain injury has not prominent effects on cardiopulmonary indices of rat after 24 hours: hemodynamic, histopathology, and biochemical evidence. Iran Biomed J. 2014;18(4):225-31.

22. Asadi-Shekaari M, Eslami A, Kalantaripour T, **Joukar S.** Potential mechanisms involved in the anticonvulsant effect of walnut extract on pentylenetetrazole-induced seizure. Med Princ Pract. 2014;23(6):538-42.

23. **Siyavash Joukar** and Naser Mahdavi. Alterations of blood pressure and ECG

following two-week consumption of berberis integerrima fruit extract. International Scholarly Research Notices, Volume 2014, Article ID 209683, http://dx.doi.org/10.1155/2014/209683

24. Binayi F, **Joukar S**, Najafipour H, Karimi A, Abdollahi F, Masumi Y. The Effects of Nandrolone Decanoate Along with Prolonged Low-Intensity Exercise on Susceptibility to Ventricular Arrhythmias.Cardiovasc Toxicol. 2015 Jan 31. [Epub ahead of print]

25. Mahdavi N, **Joukar S**, Najafipour H, Asadi-Shekaari M. The promising effect of barberry (Zereshk) extract against experimental pulmonary microvascular remodeling and hypertension: A comparison with sildenafil. Pharm Biol. 2015 May 29:1-7.

26. Ghorbani Baravati H, **Joukar S**, Fathpour H, Kordestani Z. Nandrolone Plus Moderate Exercise Increases the Susceptibility to Lethal Arrhythmias. Res Cardiovasc Med. 2015 May 23;4(2):e26233.

27. **Joukar S**, Asadipour H. Evaluation of Melissa officinalis (Lemon Balm) Effects on Heart Electrical System. Res Cardiovasc Med. 2015 May 23;4(2):e27013.

28. **Joukar S**, Sheibani V, Koushesh F, Ghasemipoor Afshar E, Ghorbani Shahrbabaki S. Arrhythmogenic Risk Assessment Following Four-Week Pretreatment With Nicotine and Black Tea in Rat. Res Cardiovasc Med. 2015 Aug 1;4(3):e27088.

29. **Joukar S**, Asadipour H, Sheibani M, Najafipour H, Dabiri S. The effects of Melissa officinalis (lemon balm) pretreatment on the resistance of the heart to myocardial injury. Pharm Biol. 2015 Oct 12:1-9.

30. Nasri HR, **Joukar S**, Kheradmand H, Poursalehi HR, Dabiri Sh. Co-administration of Atorvastatin and Amiodarone Increases the Risk of Pulmonary Fibrosis in Rat. Med Princ Pract.2015, Nov 6 (in press)

31. Abdollahi F, **Joukar S**, Najafipour H, Karimi A, Masumi Y, Binayi F. The risk of life-threatening ventricular arrhythmias in presence of high-intensity endurance exercise along with chronic administration of nandrolone decanoate. Steroids. 2016 Jan;105:106-12.

32. **Joukar S,** Ghorbani-Shahrbabaki S. Does experimental paradoxical sleep deprivation (EPSD) is an appropriate model for evaluation of cardiovascular complications of obstructive sleep apnea? Sleep Breath. 2015 Dec 30. [Epub ahead of print]

33. Houshmandi N, Najafipour H, **Joukar S**, Dabiri S, Abbasloo E, Abdi E, Safi Z. The effect of interleukins 27 and 35 and their role on mediating the action of insulin Like Growth Factor -1 on the inflammation and blood flow of

chronically inflamed rat knee joint. Cytokine. 2016 May;81:117-26

34. **Joukar S**, Dehesh MM.The safety assessment of saffron (Crocus sativus L.) on sympathovagal balance and heart rate variability; a comparison with amiodarone. Auton Autacoid Pharmacol. 2015 Dec;35(4):46-50.

35. **Joukar S**, Ebrahimi S, Khazaei M, Bashiri A, Shakibi MR, Naderi V, Shahouzehi B, Alasvand M. Co-administration of walnut (Juglans regia) prevents systemic hypertension induced by long-term use of dexamethasone: a promising strategy for steroid consumers. Pharm Biol. 2017 Dec;55(1):184-189.

36. Soheil Aminizadeh, Hamid Marefati, Hamid Najafipour, **Siyavash Joukar**, Shahriar Dabiri, and Beydolah Shahouzehi. Protective Effects of High-Intensity Versus Low-Intensity Interval Training on Isoproterenol-Induced Cardiac Injury in Wistar Rats. Res Cardiovasc Med. 2016, e34639. Inpress

37. **Siyavash Joukar**, Reza Vahid, Alireza Farsinejad, Majid Asadi-shekari, Beydolah Shahouzehi. Ameliorative effects of endurance exercise with two different intensities on nandrolone decanoate-induced neurodegeneration in rats: Involving of redox and apoptotic systems. Neurotoxicity Res. 2017 Jul;32(1):41-49.

38. Vahidi R, **Joukar S**. Commentary: Acute Myocardial Response to Stretch: What We (don't) Know. Front Physiol. 2017 Mar 2;8:121.

39. Karimi A, **Joukar S**, Najafipour H, Masoumi-Ardakani Y, Shahouzehi B. Low-intensity endurance exercise plus nandrolone decanoate modulates cardiac adiponectin and its receptors. Auton Autacoid Pharmacol. 2017 Mar;37(2):29-33.

40. **Joukar S**, Sheibani M. Combinatorial effect of nicotine and black tea on heart rate variability: Useful or harmful? Auton Autacoid Pharmacol. 2017 Jun;37(3):44-48.

41. Rostamzadeh F, Najafipour H, Yeganeh-Hajahmadi M, **Joukar S**. Opioid receptors mediate inotropic and depressor effects of apelin in rats with 2K1C-induced chronic renovascular hypertension. Clin Exp Pharmacol Physiol. 2018 Feb;45(2):187-197.

42. Rostamzadeh F, Najafipour H, Yeganeh-Hajahmadi M, Esmaeili-Mahani S, **Joukar S**, Iranpour M. Heterodimerization of apelin and opioid receptors and cardiac inotropic and lusitropic effects of apelin in 2K1C hypertension: Role of pERK1/2 and PKC. Life Sci. 2017 Dec 15;191:24-33.

43. Pour MB, **Joukar S**, Hovanloo F, Najafipour H. Long-term Low-Intensity Endurance Exercise along with Blood-Flow Restriction Improves Muscle Mass and Neuromuscular Junction Compartments in Old Rats. Iran J Med

Sci. 2017 Nov;42(6):569-576.

44. Abdi E, Najafipour H, **Joukar S**, Dabiri S, Esmaeli-Mahani S, Abbasloo E, Houshmandi N, Afsharipour A. Expression of IGF-1, IL-27 and IL-35 Receptors in Adjuvant Induced Rheumatoid Arthritis Model.Iran J Immunol. 2018 Mar;15(1):14-27.

45. Bahreinipour MA, **Joukar S**, Hovanloo F, Najafipour H, Naderi V, Raji A, Esmaeili-Mahani S. Mild aerobic training with blood flow restriction increases the hypertrophy index and MuSK in both slow and fast muscles of old rats: Role of PGC-1α. Life Sci. 2018 Jun 1;202:103-109.

46. Raji A, **Joukar S**, Naderi- Boldaji V, Bejeshk MA. Mild exercise along with limb blood-flow restriction modulates the electrocardiogram, angiotensin, and apelin receptors of the heart in aging rats. Iran J Basic Med Sci. 2018 Jun;21(6):558-563

47. **Joukar S** , Marefati H, Aminizadeh S, Masoumi Ardakani Y.
The Effects of Estrogen-Related Receptor alpha Inhibition on Serum levels of Chemerin, Apelin and Nesfatin-1 after Endurance Training in Male Wistar Rats. Rafsanjan Univ Med Sci 2018; 16(10): 901-12. [Farsi]

48. Ahmadi J, **Joukar S**, Anani H, Karami-Mohajeri S.
Dihydroxyacetone as a definitive treatment for aluminium phosphide poisoning in rats. Arh Hig Rada Toksikol. 2018 Jun 1;69(2):169-177.

49. Behzadi M, **Joukar S,** Beik A. Opioids and Cardiac Arrhythmia: A Literature Review. Med Princ Pract. 2018;27(5):401-414.

50. Naderi-Boldaji V, **Joukar S**, Noorafshan A, Raji-Amirhasani A, Naderi-Boldaji S, Bejeshk MA. The effect of blood flow restriction along with low-intensity exercise on cardiac structure and function in aging rat: Role of angiogenesis. Life Sci. 2018 Sep 15;209:202-209.

51. Mohammad-Abbas Bejeshk, **Siyavash Joukar**, Beydolah Shahouzehi, Majid Asadi-shekari, ... Vida Naderi-boldaji. Combinatorial effect of lower extremity blood flow restriction and low intensity endurance exercise on aorta of old male rats: Histomorphological and molecular approach Artery Research (2018) 24, 22-31.

52. Mahboobeh Yeganeh-Hajahmadi, Hamid Najafipour , Farzaneh Rostamzadeh, Saeed Esmaeili- Mahani , **Siyavash Joukar**. Effect of apelin on cardiac contractility in acute reno-vascular hypertension: The role of apelin receptor and kappa opioid receptor heterodimerization. Iran J Basic Med Sci, Vol. 21, No. 12, Dec 2018, 1305-1315.

53. Vida Naderi-boldaji, **Siyavash Joukar**, Ali Noorafshan, Mohammad-Ali Bahreinipour. Limb blood flow restriction plus mild aerobic exercise training protects the heart against isoproterenol-induced cardiac injury in old rats: Role of GSK-3β. Cardiovasc Toxicol, 2018, In Press.

- **Papers presented in International and National Congresses**

1. Abolfathi Y., **Joukar S**., Epidemiology Assessment of falling and Relative injury in aging. National Congress of Gerontology and Geriatrics, Isfahan University of Medical Sciences, Iran 2004

2. Shahrokhi N. Khaksary M. Shabani M. **Joukar S**. rezaizadeh R. The effect of feeding nastritium offisinalis water extract on plasma lipid and glucose in Experimental Diabete. 18th Iranian Congress of Physiology & Pharmacology Mashhad-Iran 2007.

3. **Joukar S**. The effect of morphine dependence on seizures induced by $GABA_A$ antagonist in rat. The student corner of 17th Iranian Congress of Physiology & Pharmacology, Kerman University of Medical Science 2005.

4. **Joukar S,** Najafipour H, Mirzaeipour F and Nasri H R. Incidence and severity of cardiac arrhythmia in passive opium smoking rabbits with and without cardiac ischemia and hypercholesterolemia. International congress of physiological sciences, Kyoto- Japan 2009.

5. **Joukar S,** Najafipour H, Mirzaeipour F and Nasri H R.The effect of passive opium smoking on ECG, incidence and severity of cardiac arrhythmia in rabbit with cardiac ischemia and hypercholesterolemia. 19th Iranian congress of physiology and pharmacology, Tehran- Iran 2009.

7. **Siyavash Joukar ,** Hamid Najafipour , Mohammad Khaksari , Gholamreza Sepehri , Nader Shahrokhi. The Effect of Saffron Consumption on Biochemical and Histopathological Heart Indices of Rats with Myocardial Injury. 11th Iranian Nutrition Congress Shiraz-Iran 2010

8.**Joukar S.**, Najafipour H., Dabiri S., Sheibani V., Esmaeili-Mahani S., Ghotbi P., Bashiri H., Amanallahi F., Joukar F. Chronic co-administration of morphine and calcium channel antagonists ameliorates isoproterenol-induced myocardial injury in rats.1th National Seminar on the role of Basic Sciences on Health PromotionTehran, March 9-10, 2011

9- **Siyavash Joukar**, Hamideh Bashiri, Separate and combined effects of long-term black tea and nicotine on cardiovascular parameters and heart resistance to myocardial injury in rat. Turkish FEPS Physiology Congress, September 3-7,

2011 Istanbul.

10- **Siyavash Joukar**, Hamid Najafipour, Hamideh Bashiri. The effect of long-term administration of black tea and nicotine on plasma lipid profile and antioxidant levels of heart tissue in rat. 20th Iranian Congress of Physiology & Pharmacology Hamadan-Iran 2011

11. **Siyavash Joukar**, Electrocardiogram alterations following one-week consumption of crocus sativus l. (saffron). The 17th National and 5 International Iranian Biology Conference, September 4-6, 2012, Shahid Bahonar University of Kerman, Iran.

12. **Siyavash Joukar**, Elham Ghasemipoor-Afshar, Mohammad Sheibani , Nooshin Naghsh, Alireza Bashiri, Ameliorative effect of saffron (crocus sativus L.) against reperfusion–induced cardiac arrhythmias in rat. The 17th National and 5 International Iranian Biology Conference, September 4-6, 2012, Shahid Bahonar University of Kerman, Iran.

13. **Siyavash Joukar**, Masoumeh Askarzadeh, Baydolah Shahouzehi , Hossein Fathpour ,The effects of alcoholic extract administration of Rosa damascena and Quercus infectoria on heart performance and atherogenesis in normo and hyperlipidemic rabbits. The 17th National and 5 International Iranian Biology Conference, September 4-6, 2012, Shahid Bahonar University of Kerman, Iran.

14. **Siyavash Joukar** , Naser Mahdavy, Hamid Najafipur: Aqueous extract of barberry is more effective than sildenafil to treatment of experimental pulmonary hypertension. 21th International Iranian Congress of Physiology & Pharmacology, 23-27 August 2013, Tabriz-Iran.

15. Naser Mahdavy, **Siyavash Joukar** , Hamid Najafipur: The effect of Barberry consumption on Monocrotaline-induced pulmonary arterial hypertension in rat. 21th International Iranian Congress of Physiology & Pharmacology, 23-27 August 2013, Tabriz-Iran.

16. Abbas Afsharipour- Hamid Najafipouir - Mansour Moazen Zadeh Mohammad Khaksari-**Siyavash Joukar**-Elham Abbasloom: Check the status of people s physical activity ,15 - 75 years old and its relation with risk factors of heart disease - Coronary in Kerman in 2011-2012. 21th International Iranian Congress of Physiology & Pharmacology, 23-27 August 2013, Tabriz-Iran.

17. **Siyavash Joukar**, Soodabe Ghorbani - shahrbabaky, Vahid Sheibania, Vahid Hajalia , Nooshin Naghshd. The effect of REM sleep deprivation on blood pressure and susceptibility to fatal ventricular Arrhythmia in animal model- 1th Middle East Congress of Preventive Cardiology, 29 Jan-1 Feb 2013, Shiraz, Iran

18. **Siyavash Joukar**, Fateme Binayi, Hamid Najafipour, Ali Karimi, Farzane Abdollahi, Yaser Masumi.The modulatory effect of moderate endurance swimming exercise on myocardial remodeling and redox system responses to chronic using high dose of nandrolone decanoate-3rd International Preventive Cardiology Congress, 3-5 October 2014, Shiraz, Iran

19. Farzane Abdollahi, **Siyavash Joukar**, Fateme Binayi, Hamid Najafipour, Ali Karimi, Yaser Masumi.Effect of high intensity endurance exercise on myocardial remodeling and redox system responses to high dose of nandrolone decanoate. 22th International Iranian Congress of Physiology & Pharmacology, 17 -21 September 2015, Kashan, Iran.

20. Fateme Binayi, **Siyavash Joukar**, Hamid Najafipour, Abdollah Karimi, Farzane Abdollahi, Mona Rahdar. Effect of nandrolone decanoate along with mild swimming exercise on susceptibility to ventricular arrhythmia in rat. 22th International Iranian Congress of Physiology & Pharmacology, 17 -21 September 2015, Kashan, Iran.

21. **Siyavash Joukar**, Farzane Abdollahi, Fateme Binayi, Hamid Najafipour, Abdolah Karimi. Chronic consumption of nandrolone decanoate along with high intensity exercise increases the risk of ventricular fibrillation. 22th International Iranian Congress of Physiology & Pharmacology, 17 -21 September 2015, Kashan, Iran.

22. Mahboobeh Yeganeh Hajahmadi, Hamid Najafipour, Farzaneh Rostamzadeh, **Siavash Joukar**. Role of kappa opioid receptors in apelin dependent lowering of blood pressure in renovascular hypertensive rats. 22th International Iranian Congress of Physiology & Pharmacology, 17 -21 September 2015, Kashan, Iran.

23. Nasrin Hushmani, Hamid Njafipour, **Siyavash Joukar**, Elham Abdi Effect of interleukin 27 and 35 and their role in mediating the action of IGF-1 on inflammation in chronically-inflamed rat knee joint. 22th International Iranian Congress of Physiology & Pharmacology, 17 -21 September 2015, Kashan, Iran.

24. **Siyavash Joukar**, Vida Naderi- Boldaji, Alireza Raji-Amirhasani , Mohammad- Abbas Bejeshk. Combination of low intensity aerobic training and blood flow restriction improves the cardiac function and leads to heart physiological remodeling in old rats. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology, Chabahar, Iran, 15-18 Feb. 2018.

25. Mohammad Abbas Bejeshk , **Siyavash Joukar**, Mohammad Amin Rajizadeh, Alireza Raji-amirhasani. The effect of limb blood flow restriction and endurance exercise on histological indices، angiotensin II and apelin

reseptors in aorta of old male rats. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology, Chabahar, Iran, 15-18 Feb. 2018.

26. Alireza Raji-amirhasani, **Siyavash Joukar**, Vida Naderi- Boldaji. Mild exercise along with limb-blood flow restriction modulates the electrocardiogram, angiotensin and apelin receptors of heart in aging rats. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology, Chabahar, Iran, 15-18 Feb. 2018.

27. Vida Naderi- Boldaji, **Siyavash Joukar,** Alireza Raji-amirhasani. The investigation of the histological changes and heart resistance of old male rats to ischemia following lower limb blood flow restriction along with low intensity endurance exercise. 2nd International and 23rd Iranian Congress of Physiology and Pharmacology, Chabahar, Iran, 15-18 Feb. 2018.

- **Research activities (Plans colleague or design's executive):**

1. Atapour N., **Joukar S**., Kalantaripour T.P. The effect of morphine dependence on seizures induced by $GABA_A$ antagonist in rat. Finished 2001

2. Najafipour H., **Joukar S.**, Mirzaiepour F., Nasri H.R. Short and long term effects of passive opium smoking on cholestrol, arterial blood pressure, cardiac contractility and cardiac resistance to ischemia in normal and hypercholesterolemic rabbits. Finished 2009

3. **Joukar S.**, Najafipour H., Khaksari M., Sepehri Gh., Shahrokhi N. et al. The effect of oral consumption Crocus sativus (saffron) on heart injury indexes and cellular free radical scavenging systems in rat. In process of execution 2009.

4. **Joukar S.**, Najafipour H., Sheibani V., Esmaeili S., Joukar F. et al. The effect of concurrency chronic morphine and calcium channel blockers administration on heart rate, blood pressure and heart resistance to ischemic condition in Rat. In process of execution 2009.

5. **Joukar S.,** Najafipour H., Badinloo M., The effect of Semelil (angipars) on some hemodynamic indices, Ventricular arrhythmias severity and heart injury after ischemia - reperfusion in rabbit. In process of proposal ratification. 2009.

6- **Joukar S.,** Najafipour H., Bashiri H, The effect of concurrent chronic

nicotine and black tea administration on plasma lipid profile and heart tissue antioxidants of rats with normal and ischemic heart. 2011.

7. **Joukar S.,** Sarvazad A, et al The effect of concurrent chronic nicotine and black tea administration on heart rate, blood pressure, heart contractility and resistance to ischemic condition in Rat. 2011.

8. **Joukar S.,** Esmaeli Mahani S, et al. The effect of chronic morphine administration concurrent or without verapamil on α1c subunit of L-type voltage-dependent Ca2+ Channel in Rat heart. 2010.

9. **Joukar S.,** et al. The effect of oral consumption of Mumie (Mumijo) on total antioxidants of heart tissue, hemodynamic indices, heart contractility and heart resistance to ischemia in rat in face of isoproterenol induced myocardial injury. 2014.

10. **Joukar S., et al.** The effect of oral consumption of Crocus sativus (saffron) on incidence of ventricular arrhythmia induced by ischemia-reperfusion of heart in rat. 2012.

11. **Joukar S.,** et al.The effect of REM sleep deprivation on susceptibility to ventricular arrhythmia in rat. 2012.

12. **Joukar S.,** et al. The effect of alcoholic extract administration of Rosa damascena and Quercus infectoria on blood pressure, heart rate and contractility, diastolic relaxation and myocardial oxygen consumption indices of heart in normo and hyperlipidemic rabbits. 2012.

13. **Joukar S., et al.** The effect of oral consumption of Melissa officinalis (lemon balm) aqueous extract on total antioxidants of heart tissue hemodynamic indices, heart contractility and heart resistance to ischemia in rat. 2013.

14. **Joukar S., et al.** The effect of Melissa officinalis(lemon balm) aqueous extract on incidence of ventricular arrhythmia induced by heart ischemia-reperfusion in rat. 2013.

15. **Joukar S., et al.**, The effect of concurrency chronic nicotine and black tea administration on susceptibility to ventricular arrhythmia in rat. 2013.

16. **Joukar S.,** The effect of concurrent chronic nicotine and black tea administration on cardiomyocyte cross-sectional area and interstitial fibrosis of heart muscle in Rat. 2013.

17. **Joukar S., et al.**, The comparison effect of Aqueous Extract of Berberis vulgaris with Sildenafil on Monocrotaline-induced pulmonary arterial

hypertensive male rats: assessment of some hemodynamic, histological and biochemical indices. 2013.

18. **Joukar S.,** et al.,The effect of walnut alcoholic extract administration on dexamethasone induced hypertension in rat: evaluation the possible role of NO and antioxidant systems. 2014.

19. **Joukar S.,** et al.,The Effect of low aerobic exercise along with chronic administration of nandrolone decanoate on susceptibility to ventricular arrhythmia in rat, 2013.

18. **Joukar S.,** et al., The Effect of chronic administration of nandrolone decanoate along with moderate endurance exercise on susceptibility to threatening ventricular arrhythmia in rat, 2014.

19. **Joukar S.**, et al., The Effect of chronic administration of nandrolone decanoate along with severe incremental endurance exercise on susceptibility to threatening ventricular arrhythmia in rat. 2014.

20. **Joukar S.**, et al., The Effect of chronic administration of nandrolone decanoate along with low endurance exercise on the levels of TNF- α, adiponectin and its receptors expression in heart muscle of rat. 2014.

21. **Joukar S.**, et al., The Effect of chronic administration of nandrolone decanoate along with high intensity endurance exercise on the levels of TNF-α, adiponectin and its receptors expression in heart muscle of rat. 2014.

22. **Joukar S.**, et al., The Effect of endurance and resistance exercise on chronic nandrolone decanoate-induced brain injury in rat. 2014

23. **Joukar S**., et al., Investigation the effects of low intensity endurance training with blood flow restriction on the values of nicotinic acetylcholine receptors, Musk & LRP4 proteins in skeletal muscles of the old male rat. 2015.

24. **Joukar S.,** et al., The investigation of the histological changes and heart resistance of old male rats to ischemia following lower limb blood flow restriction along with low intensity endurance exercise - study of some plausible signaling pathways. 2015.

25. **Joukar S.,** et al., The Effect of chronic administration of nandrolone decanoate along with low and high intensity endurance exercise on heart histological and electrocardiogram parameters in male rat. 2015.

26. **Joukar S.**, et al., Investigation the effects of blood flow restriction in

lower extrimities along with endurance exercise on the electrocardiograam alterations, hypertrophy, expression of angiotensin II and appelin receptors of heart in old male rats. 2016

27. **Joukar S.,** et al., The effect of lower limb blood flow restriction and endurance exercise on Histologic index، angiotensin II and apelin reseptprs in aortic old male rats. 2016.

28. **Joukar S.,** et al., Comparison of the effects of two various models of fasting in different ages on blood pressure, electrocardiogram, insulin resistance, expression of some proteins affecting longevity and cardiovascular system performance in male rats. 2016.

29. **Joukar S., et al.,** The effect of eight weeks of swimming endurance training along with tobacco smoke on blood pressure, electrocardiogram and some biochemical and histological factors of lung and cardiovascular of male rat. 2017

30. **Joukar S., et al.,** The Effect of ten weeks low intensity endurance exercise with/without blood flow restriction on histology and values of BDNF, NGF, Sirt-1, PI3K, IGF1, Caspase-3, Caspase-7, VEGF, BcL2 ,Bax, AKT and total antioxidant capacity of hippocampus in male aging rats. 2018

31. **Joukar S., et al.,** The Effect of ten weeks low intensity endurance exercise with/without blood flow restriction on total antioxidant capacity of serum, Klotho, Sirt-1, IGF-1 and PGC-1α proteins of serum and heart in male aging rats. 2018

- ## Thesis of Postgraduate and medical Students Supervised

1. **Ghorbani Shahrbabaki S. (MS),** The effect of REM sleep deprivation on susceptibility to ventricular arrhythmia in rat. 2012-2013. (**Supervisor)**

2. **Mahdavi N. (MS),** The comparison effect of Aqueous Extract of Berberis vulgaris with Sildenafil on Monocrotaline-induced pulmonary arterial hypertensive male rats: assessment of some hemodynamic, histological and biochemical indices. 2014-2015. (**Supervisor)**
3. **Asadipour H. (MD),** The effect of oral consumption of Melissa officinalis (lemon balm) aqueous extract on total antioxidants of heart tissue hemodynamic indices, heart contractility and heart resistance to ischemia in rat. 2013-2014. (**Supervisor)**
4. **Ghasemipour-Afshar E. (MS),** The effect of oral consumption of Crocus

sativus (saffron) on incidence of ventricular arrhythmia induced by ischemia-reperfusion of heart in rat. 201-2013. (**Supervisor)**

5. **Zarisfi Z. (MD),** The effect of Melissa officinalis(lemon balm) aqueous extract on incidence of ventricular arrhythmia induced by heart ischemia-reperfusion in rat. 2013-2014. (**Supervisor)**
6. **Askarzadeh M. (MSc),** The effect of alcoholic extract administration of Rosa damascena and Quercus infectoria on blood pressure, heart rate and contractility, diastolic relaxation and myocardial oxygen consumption indices of heart in normo and hyperlipidemic rabbits.2012-2013. (**Supervisor)**

7. **Binayi F. (MSc),** The Effect of chronic administration of nandrolone decanoate along with moderate endurance exercise on susceptibility to threatening ventricular arrhythmia in rat. 2014-2015. (**Supervisor)**

8. **Eslami A. (MSc),** The role of GABAergic system on anticonvulsant effects of walnut extract in rat. 2013-2014. (**Advisor**)

9. **Mahmmodi R. (MSc).** The Effects of Shilajit on Brain Edema, Intracranial Pressure and Neurologic Outcomes following the Traumatic Brain Injury in Rat. 2012-2013.(**Advisor**)

10. **Ghorbani Baravati H. (MSc)** The Effect of aerobic exercise along with chronic administration of nandrolone decanoate on susceptibility to ventricular arrhythmia in rat. 2013- 2014. (**Supervisor)**

11. **Ebrahimi S. (MD).** The effect of walnut alcoholic extract administration on dexamethasone induced hypertension in rat: evaluation the possible role of NO and antioxidant systems. 2014-2015. (**Supervisor)**
12. **Abdollahi F. (MSc)** The Effect of chronic administration of nandrolone decanoate along with severe incremental endurance exercise on susceptibility to threatening ventricular arrhythmia in rat. 2014-2015. (**Supervisor)**

13. **Karimi A. (MSc)** The Effect of chronic administration of nandrolone decanoate along with low endurance exercise on the levels of TNF- α, adiponectin and its receptors expression in heart muscle of rat. 2015-2016. (**Supervisor)**

14. **Bahreini M.A., (PhD),** Investigation the effects of low intensity endurance training with blood flow restriction on the values of nicotinic acetylcholine

receptors, Musk & LRP4 proteins in skeletal muscles of the old male rat. 2015-2017. (**Supervisor)**

15. **Kheradmand H. (Specialist MD)** Investigation the effect of amiodarone and atorvastatin simultaneous administration on amiodarone induced lung fibrosis in rats. 2014. (**Advisor**)

16. **Naderi V., (PhD).** The investigation of the histological changes and heart resistance of old male rats to ischemia following lower limb blood flow restriction along with low intensity endurance exercise - study of some plausible signaling pathways. 2015-2017. (**Supervisor)**

17. **Mehdieh Yosefnia –Babaki (MD).** The Effect of chronic administration of nandrolone decanoate along with low and high intensity endurance exercise on heart histological and electrocardiogram parameters in male rat. 2015. (**Supervisor).**

18. **Alireza Raji Amirhasani (MSc).** Investigation the effects of blood flow restriction in lower extremities along with endurance exercise on the electrocardiograam alterations, hypertrophy, expression of angiotensin II and appelin receptors of heart in old male rats. 2015-2016. (**Supervisor)**

19. **Mohammad Sheibani (MD).** Investigation the effect of concurrency of chronic nicotine and black tea administration on autonomic system balance and heart rate variabality in rat. 2016. (**Supervisor)**

20. **Mohammad Abbas Bejeshk (MSc).** The investigation of histology and expression of angiotensin II and apelin receptors of aorta in old male rats following blood flow restriction in lower extrimities along with endurance exercise. 2016-2017. (**Supervisor)**

21. **Firoozeh Badreh (Ph.D).** Comparison of the effects of two various models of fasting in different ages on blood pressure, electrocardiogram, insulin resistance, expression of some proteins affecting longevity and cardiovascular system performance in male rats. 2016-2018. **(Supervisor).**

22. **Jafar Ahmadi (MSc.).** The effectof Dihydroxyacetone against aluminum phosphide-induced acute toxicity in rat. 2017-2018 (Advisor).

23. **Mohamad-reza Nakhaei (PhD).** The effect of eight weeks of swimming endurance training along with tobacco smoke on blood pressure, electrocardiogram and some biochemical and histological factors of lung and cardiovascular of male rat. (2017-2018). **(Supervisor).**

Laboratory Setup and research methods

1. **Joukar S,** Najafipour H. Working Heart and Isolated Heart Setup
2. **Joukar S,** Asadi-shekar M. Eftekhar H. Formalin Administration Setup
3. **Joukar S,** Najafipour H. Educational and Research laboratory for Postgraduate Physiology Students
4- **Joukar S,** Small Rodents Swimming Pool
5. **Joukar S, Nakhaee MR,** Waterpipe Setup

The Number of National Research projects as invited referee

*** 170 Research projects

The Number of International and National Research Paper as Invited Reviewer

*** 58 Research paper

The Number of Thesis as invited referee

*** 40 Thesis

Instructed Credits course so far:

University	subject	Student field	Credit number	total

Kerman medical university	Medical Physiology (theory)	Medical Basic (MS, PhD), Medical, dentistry, pharmacy and sub medical	360	
Kazeroon and Kerman Islamic universities	Medical Physiology (theory and practical)	Medical and veterinary medicine	26.5	
International and Bam medical faculties	Medical Physiology (theory and practical)	Medical, dentistry, pharmacy and sub medical	42	
Sirjan medical faculties	Medical Physiology (theory)	Sub medical	20	
				448.5