

Academic CV

Date 7/ 2026

Surname: Pajouhi First name: Naser

Date of birth: 21/03/1970 ,Nationality: Iranian

Academic status: Assistant professor of physiology

Tel/Fax: +98-6633120133 , Mobile phone: +98-9177191625

Marital status: Married, have two children

Educational Background:

1-B.Sc. in nursing, Faculty of Nursing and Midwifery, Tehran University of Medical Sciences, Tehran, IRAN, January 1989- April 1994

2-M.Sc. In Human Physiology, Faculty of Medical Sciences, Ahwaz University of Medical Sciences, Ahwaz, IRAN, 23/September/1999- 10/November/2002.

3- Ph.D. In Human Physiology, Faculty of Medical Sciences, Shiraz University of Medical Sciences, Shiraz, IRAN, 23/Feb/2008- 17/Feb/2015.

Thesis Title:

M.Sc: The effect of high vitamin C intake in rat aorta contractility induced by KCL and Phenylephrine

Ph.D.: The role of thyroid hormones in ventilator-induced lung injury and alveoli-capillary barrier functions in the rat

Research experience:

My primary research focus is the respiratory system, particularly utilizing Western blotting and Immunohistochemistry methods in cellular and molecular biology. I've experienced with stereotaxic instruments, tail flick, water maze, conditioned place preference(CPP),animal modeling of lung and liver fibrosis, animal modeling of thyroid status alteration and preparing isolated small intestinal and aorta tissues, constructing microdialysis probes, and hormonal assays by RIA/ELISA method.

Teaching Experience:

I've taught For ten years at the Lorestan University of Medical Sciences. in the field of blood and respiratory and special senses physiology for Medical, Dental, and Pharmaceutical students and general physiology for paramedical students.

Participation in Setting :

1. Behaviour and neurophysiologic Lab(LUMS)
2. Spirometry lab(LUMS)

Congress:

- 1- The effect of oral aluminium administration on pain tolerance in rat .Pajouhi N, Asaee

R, Sarkaki A, Zahedi Asl S. 15th Iranian congress of physiology and pharmacology, 2001-11. Shiraz, Iran.

2- The effect of oral aluminium administration on basal rhythm of small intestine in rat. Pajouhi N, Asaee R, Zahedi Asl S. 2th Iranian congress of nutrition 4-8 feb 2002 Ahwaz, Iran.

3- The effect of oral aluminium administration on erythrocyte fragility in rat. Asaee R, Pajouhi N, Zahedi Asl S. 5th FAOPS congress 23-26 sep. 2002 Kuala Lumpur, Malaysia.

4- The effect of high vitamin C intake in rat aorta contractility induced by KCl and phenylephrine. N. Pajouhi, S. Zahedi Asl M. Badavi, R. Asaee. 16th Iranian congress of physiology and pharmacology, 8-12 may 2003. Tehran, Iran

Publications:

1- The effect of long term vitamin C intake on concentration induced by KCl and phenylephrine on isolated rat aorta. Pajouhi N, Zahedi Asl S, Asaee R. Journal of medical university of Zanjan, 1382; 44: 1-5.

2- The effect of parental morphine addiction on extra cellular glutamate concentration of dentate gyrus in rat offspring. Asaee R, Sarkaki A, Badavi M, Pajouhi N. Yafteh, 1382; (18): 25-32.

3- The Effect of Parental Morphine Addiction on Rat's Reproduction Rate and Pituitary Gonadal Axis Hormone Profile of Their Adult Offspring. Asaee R; Pajouhi N; Shirkhani Y; Tarrahi M, Zahedi Asl S. Iranian journal of Endocrine and metabolism. 1387, 10(1): 51-8

4- Study of lytic phage and alkaline phosphatase on treatment of burn infections caused by *Escherichia coli* in mouse. Iranian Journal of medical microbiology, 2008; 2(1): 37-43.

5- Pituitary –gonadal Axis Hormone and Semen Analysis in Narcotic Dependency.

Assaee R, Nazari H, Pajouhi N, Zahedi Asl S. ZJRMS 2013; 15(4): 53-55 .

6- Effect of *Satureja khuzestanica* Essential oil on nicotine induced seizure in male mice. Assaee R, Bashiri M, Pajouhi N, Yafteh 2012; 1(2): 23-29 (in Persian)

7- Hepatoprotective effect of *Satureja khuzestanica* essential oil and vitamin E in experimental hyperthyroid rats: evidence for role of antioxidant effect. Assaee R, Zal F, Mostafavi-Pour Z, Dabbaghmanesh MH, Geramizadeh B, Ranjbar Omrani GH, Pajouhi N. IJMS, 2014; 39(5): 459-466.

8- Effects of Essential Oil of *Satureja khuzestanica* on the Oxidative Stress in experimental Induced Hyperthyroidism in Male Rat. Assaee R, Mostafavi-Pour Z, Pajouhi N, Ranjbar Omrani GH, Sepehrimanesh M, Zal F. accepted in Veterinary Research Forum 02/2015

9- Modulation by thyroid hormone of myosin light chain phosphorylation and AQP 5

- protein expression in intact lung. Journal of physiology and biochemistry. Pajouhi N, Owji M, Naghibalhossaini F, Omrani GH, Varedi M. 2015;71(1):99-106.
- 10- Nazari A, Moghaddasi jahromi M, Tavakoli A, Pajouhi N, Khaksarian M, Assaei R, et al . The internal evaluation of physiology department of Lorestan University of Medical Sciences. yafte. 2016; 18 (2) :76-83(in persian)
- 11- Differential modulation of claudin 4 expression and myosin light chain phosphorylation by thyroid function in lung injury. The clinical respiratory journal. Clin Respir J. 2017 Nov;11(6):797-804.
- 12-The effects of two-stage carotid occlusion on spatial memory and pro-inflammatory markers the hippocampus of rats. Mehrnoush Moghaddasi Majid Taati Payman Asadian, Ali Reza Khalatbary, Raheleh Asaei, Naser Pajouhi. J Physiol Sci ,2017: 67
- 13-The effect of endurance activity on the hdaca4 and mef2 gene expression in skeletal muscles of male wistar rats. bahramai f., fathi m., ahmadvand h., pajohi n. 2018, 20 , 1 (75) ; Page(s) 68 To 77(in Persian)
- 14-The effects of dietary polyunsaturated fatty acids on miR-126 promoter DNA methylation status and VEGF protein expression in the colorectal cancer cells. Mostafa Moradi Sarabi, Seyed Abdollah Zahedi, Naser Pajouhi, Peyman Khosravi, Shahrokh Bagheri, Hassan Ahmadvand , Soroosh Shahryarhesami . Genes & Nutrition volume 13, Article number: 32 (2018)
- 15- Use of *Satureja khuzestanica* Essential Oil (SKEO) in the Treatment of Diarrhea: Modes of Action on Intestinal Function in Animal Model. Raheleh Assaei, Naser Pajouhi. Herbal Medicines Journal. 2018; 3(3):101-8.
- 16- The effects of dietary polyunsaturated fatty acids on miR-126 promoter DNA methylation status and VEGF protein expression in the colorectal cancer cells. Mostafa Moradi Sarabi, Seyed Abdollah Zahedi, Naser Pajouhi, Peyman Khosravi, Shahrokh Bagheri, Hassan Ahmadvand, Soroosh Shahryarhesami. 2018/12. Genes & Nutritio. 2018; 13(1):1-9.
- 17-Pectin/chitosan/tripolyphosphate nanoparticles: Efficient carriers for reducing soil sorption, cytotoxicity, and mutagenicity of paraquat and enhancing its herbicide

activity. M Rashidipour, A Maleki, S Kordi, M Birjandi, N Pajouhi, E Mohammadi, Journal of agricultural and food chemistry. 2019; 67 (20), 5736-5745.

18-Clinicopathologic and ultrastructural findings of hereditary nephritis; a 16-year single center survey in Iran. SM Owji, H Raeisi Shahraki, N Pajouhi, SH Owji. Journal of Renal Injury Prevention. 2020 9(2).

19-Thyroid function modulates lung fluid and alveolar viscoelasticity in mechanically ventilated rat. MS Owji, M Varedi, F Naghibalhossaini, N Pajouhi. Journal of Surgical Research. 2020; 253, 272-279.

21-Effect of Testosterone Enanthate Modeling of Polycystic Ovary on Liver Irs-2 mRNA Expression in Rats: A Brief Report. SAY Ahmadi, MB Boroujeni, N Pajouhi, A Hasanvand, A Hasanvand, Baghdad Science Journal. 2021; 18 (3), 0480-0480.

22-Pectin/chitosan/tripolyphosphate encapsulation protects the rat lung from fibrosis and apoptosis induced by paraquat inhalation. M Rashidipour, B Rasouljan, A Maleki, B Davari, N Pajouhi. Pesticide Biochemistry and Physiology. 2021; 178, 104919

23-The role of vasopressin V1A and oxytocin OTR receptors in protective effects of arginine vasopressin against H₂O₂-induced oxidative stress in H9C2 cells. V Ghorbanzadeh, A Jafarpour, A Pirnia, N Pajouhi, M Khaksarian, Archives of Physiology and Biochemistry. 2022; 128 (3), 830-835.

24-The protective effects of hyperoxic pre-treatment in human-derived adipose tissue mesenchymal stem cells against in vitro oxidative stress and a rat model of renal ischaemia. S Ahmadi Somaghian, N Pajouhi, O Dezfoulian, A Pirnia, A Kaeidi, Archives of Physiology and Biochemistry. 2023; 1-10

25-Endurance training changes the expression of miR-1 and miR-133 and predicted genes in slow and fast twitch muscles. F Bahrami, M Fathi, H Ahmadvand, N Pajouhi Archives of Gerontology and Geriatrics. 2023, 108;104929.

26-Antimicrobial activity and cytotoxic and epigenetic effects of tannic acid-loaded chitosan nanoparticles. M Rashidipour, S Abbaszadeh, M Birjandi, N Pajouhi, ... Scientific reports , 14 (1), 2024; 30405.

27- Pretreatment administration of hydro-ethanolic extract of *Syzygium aromaticum* prevents thioacetamide-induced liver injury in rat. Pajouhi A, Pajouhi N, Karimi

Rouzbahani A, and Assaei. Egyptian Liver Journal, 2024

14:90.<https://doi.org/10.1186/s43066-024-00400-0>.

28-The Effect of the Emulsion of Echinophora cinerea Boiss. On Paraquat-Induced Lung Fibrosis in Male Rats. N Pajouhi, A Heydari Ariya, M Rashidipour, H Jamshidvand, A Pajouhi, Journal of Food Biochemistry, 2025 (1),

8342085.<https://doi.org/10.1155/jfbc/8342085>

29-Protective Effects of Vanillic Acid Against Isoprenaline-Induced Heart Failure in Wistar Rats: A biochemical and histological investigation. khaksarian M , Pajouhi N, Nazari A, Assaei R, Souri F. ARYA 2026 , 22;4: 10.48305/arya.2026.45520.3085.

La Thesis:

1-The effect of Thyroid hormones status on ovarian kisspeptin system in female rats. MSc thesis of laleh Jafari as a advisor

2-The role of vasopressin V1A & oxytocin OTR receptors in protective effects of arginine vasoressin against H₂O₂-induced oxidative stress in h9C9 cells. MSc thesis of afsane jafarpour as a advisor.

3-The effect of Thyroid hormones status on utrus Kisspeptin system in female rats. MSc thesis of Naser Rahimi as a second Supervisor

4- The effect of thyroid hormones on redox status of fibrotic lung in mice MSc thesis of parvin hajipour as a firs Supervisor

5-Evaluation of EC-SOD Amount and Activity in the Lung of Hyperthyroid Rats. MD thesis of Behnam godarzi as a first Supervisor

6-Evaluation of EC-SOD Amount and Activity in the Lung of Hypothyroid Rats MD thesis of Reza yarizadeh as a second Supervisor

7- The effect of endurance activity on the hdaca4 and mef2 gene expression in skeletal muscles of male wistar rats. Phd. thesis of Farid bahramai as a advisor

8-Determination of effect of emulsion containing Boiss Echinophora cinerea Essence on paraquat-induced toxicity in male rat liver . MSc thesis of hadis Jamshidvand as a second Supervisor

9-The effect of the emulsion of Echinophora cinerea Boiss on paraquat-induced lung injury in male rats, MSc thesis of Arash Heydari Rad as a first Supervisor

