

Date 01 Apr 2023

Surname: Assaei **First name:** Raheleh **Date of birth:** 7/11/1972

Nationality: Iranian **Title:** Assistant professor of physiology

Marital status: Married, have 2 children

Educational Background:

B.Sc. in Midwifery, Faculty of Nursing and Midwifery, Shiraz University of Medical Sciences, Shiraz, IRAN, Sep1990- Aug 1994

M. Sc. In Human Physiology, School of Medical Sciences, Ahwaz University of Medical Sciences, Ahwaz, IRAN, Feb 1995- June 1998.

Ph.D. in Human Physiology, School of Medical Sciences, School of Medical Sciences, Ahwas University of Medical Sciences, Ahwaz, IRAN, Sep1999-Aug 2004

Grade point average:

B. Sc.: **18.75** (out of 20) **third-grade.**

M. Sc.: **18.56** (out of 20) **first-grade.**

Ph.D:**18.1** (out of 20) **first-grade.**

Thesis and dissertation:

I had done a research protocol on the effect of the central administration of aluminum on learning and memory in rats at Ahwaz University of Medical Sciences (my M.Sc thesis).Also, I had done a research protocol on the effect of parental addiction on neurobiochemical(measuring neurotransmitter release) and electrophysiological(LTP recording) changes in their offspring in rats as my Ph.D. thesis

Research experience:

Working with Stereotaxic instrument , Y-maze, tail flick, water maze, Conditioned place preference(CPP) and preparing isolated cardiac, small intestinal , aorta tissues and

hormonal assay by RIA method.

Microdialysis probe construction and LTP recording

I participated in a Methods in Neuroscience Workshop (Shaheed Beheshty University, Tehran, IRAN March 1993).

Academic Duties:

1. A Physiology Dept. of Lorestan, University of Medical Sciences faculty member. Khoramabad, IRAN from 1999 until now.
2. Head of the Physiology Department of Lorestan, University of Medical Sciences. Khoramabad, IRAN 2004-2008.
3. Assistant to research of the medical school of Lorestan University of Medical Sciences from 2004-2006
4. Head of student research committee of Lorestan University of Medical Sciences from 2006-2008
5. Head of Razi research center of medical plants from 2007-2008
6. Member of research assembly of Lorestan University of Medical Sciences from 2004-2008

Teaching Experience:

I've taught For 21years in jahrom, Ahwaz, Lorestan, and Shiraz University of Medical Sciences. in the field of, cell physiology, Endocrinology, Cardiovascular, Neuroscience, Gastrointestinal, blood, and respiratory physiology for Medical, Paramedical, dentistry and Pharmacy students.

Congress presentation:

1-The effect of Viscum Album On basal contraction of small intestine in rat.

Asaee R, Zahedi Asl S, Alipour M.13th Iranian congress of physiology and pharmacology,13-16 Aug. 1997. Esphahan.Iran

2-The effect of central aluminium administration on active avoidance task responses in male rats. Asaee R, Sarkaki A, Zahedi Asl S. 14th Iranian congress of physiology and pharmacology, 6-9Apr. 1999. Tehran.Iran

3- 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,7-11 nov2001.Shiraz.Iran

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

6- The effect of high vitamin C intake on collagen and elastin in rat aorta.Pajouhi N.Taheri M, Zahdi Asl S, Assaei R.16th Iranian congress of physiology and pharmacology,8-12 may 2003.Tehran.Iran

7- paternal morphine addiction reduced LTP induction in perforant path to dentate gyrus of hippocampus in rat offspring. Assaei R, Sarkaki A, Pajouhi N, Motamedi F, Badavi M.

17th Iranian Congress of physiology and pharmacology1-4 october 2005.Kerman, Iran

8- The effect of parental morphine addiction on reproduction rate and pituitary - gonadal axis hormone profile of their adult offspring in rats. Assaei R, Pajouhi N, Shirkhani Y, Tarrahi M, Zahedi Asl S. 18th Iranian congress of physiology and pharmacology1-4 october 2007.Mashhad. Iran.

9- Antispasmodic effects of *Satureja khuzestanica* essential oil. Pajouhi N, Assaei R

18th Iranian congress of physiology and pharmacology 26-30 Aug 2007.Mashhad. Iran.

10-The effect of oral aluminium administration on basal rythm of small intestine in rat.

Pajouhi N, Asaei R, Zahedi Asl S.2th Iranian congress of nutrition 4-8 feb 2002 Ahwaz,Iran.

11- The effect of parental morphine addiction on extra cellular glutamate concentration

of dentate gyrus in rat offspring .Asaee R, Sarkaki A Pajouhi N, Badavi M.2ed congress , 7-9 Mar, Tehran, Iran.

12 - 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 Kualalampour, Malaysia.

13- The effect of *Satureja khuzestanica* essential oil in prevention of convulsion induced by nicotine in mice. Asaee R, Pajouhi N, Bashiri M.3th neuropsychology of Iran.23-24 may,2007

14-paternal morphine addiction reduced LTP induction in perforant path to the dentate gyrus of hippocampus in rat offspring. Asaei R, Sarkaki A, Pajoochi N, Motamedi F, Badavi M.4th Congress of psychopharmacology25-25Apr,2007

15- The effect of parental morphine addiction on extracellular glutamate concentration of dentate gyrus in rat offspring.Asae R, Sarkaki A Pajouhi N, Badavi M.2ed FAONS congress, May 16-19 2004, Tehran, Iran.

16- Alleviation of liver lipid peroxidation and glutathione redox status in experimental hyperthyroid rat by *Satureja khuzestanica* essential oil and vitamin E . Assaei R, Zal F, Dabbaghmanesh MH, Geramizadeh B, Ranjbar GH Omrani¹, Pajouhi N.In : 5th International Congress of Biochemistry and Molecular Biology,16-19 April 2013

Published articles

1-The effect of long-term vitamine C intake on concentration induced by KCl and phenylefrine on isolated rat aorta.Pajouhi N, Zahedi Asl S, **Assaei R**.Journal of mediacal university of Zanjan,2003;44:1-5.(in persian)

2- The effect of parental morphine addiction on extracellular glutamate concentration of dentate gyrus in rat offspring. **Assaei R** , Badavi M,Pajouhi N. Yafteh, 2003;(18):25-32.(in Persian)

- 3-The Effect of Parental Morphine Addiction on Rat's Reproduction Rate and Pituitary – Gonadal Axis Hormone Profile of Their Adult Offspring. **Assaei R**; Pajhohi N; Shirkhani Y; Tarrahi M, Zahedi Asl S. Iranian journal of Endocrine and metabolism.2009,10(1):51-8. (in persian)
- 4-Prevalence of delirium in hospitalized internal medicine and surgical adult patients in Shohadaye ashayer hospital of Khoram abad. Assaei R, Nazari H,Hoseini S.yafteh,2008;10(37):21-27.(in persian)
- 5-Epidemiologic study of organophosphate and organochlorate pesticides poisoning in hospoitalized patients in khoramabad Shohadaye Asahayer hospital from mars to august 2006.Mahmoodi GH, Assaei R.yafteh, 2008;10(1):3-10.(in persian)
- 6-Effect of parental morphine addiction on hippocampal long-term potentiation(LTP) in rats offspring. Sarkaki A, **Assaei R**, Motamedi F, Badavi M, Pajouhi N. Beh Brain Res, 2008;186: 72–77.
- 7- Effect of intra hippocampal injection of aluminum on active avoidance learning in adult male rats. Sarkaki A;Zahedi Asl S; **Assaei R**. PJBS, 2009; 12(1):40-45.
- 8-Effect of *Satureja khozestanica* Essential oil on nicotine induced seizure in male mice.
Assaei R, Bashiri M, Pajouhi N, yafteh 2012;1(2):23-29(in persian)
- 9-Pituitary –gonadal Axis Hormone and Semen Analysis in Narcotic Dependency. **Assaei R**, Nazari H, Pajouhi N, Zahedi Asl S. ZJRMS 2013; 15(4):53-55 .
- 10- Hepatoprotective effect of *Satureja khuzestanica* essential oil and vitamin E in experimental hyperthyroid rats: evidence for role of antioxidant effect. **Assaei R**, Zal F, Mostafavi-Pour Z, Dabbaghmanesh MH, Geramizadeh B, Ranjbar Omrani GH, Pajouhi N.IJMS,2014; 39(5):459-466.

12- *Satureja khuzestanica* essential oil used in the treatment of diarrhea: modes of action on intestinal function in animal model. **Assaei R** , Pajouhi N, Ghobadi AT, Gharib Naseri SMK. accepted in European journal of scientific research.

13- Optimization of RNA Extraction from Rat Pancreatic Tissue .Dastgheib S, Irajie C, **Assaei R**, Koohpeima F, Mokarram P. May 2014; 39(3):282-288.

14- Effect of Galega officinalis leaf powder and Trigonella foenum-graecum seed powder on blood glucose levels and weight gain in a diabetes mellitus rat model Seyedeh Sahar Shojaee , Akbar Vahdati , **Assaei R**, Sepehrimanesh M . Comp Clin Pathol. 21 sep 2013, 1873-7.

14- Effects of Essential Oil of *Satureja khuzestanica* on the Oxidative Stress in experimental Induced Hyperthyroidism in Male Rat. **Assaei R**, Mostafavi-Pour Z, Pajouhi N, Ranjbar Omrani GH, sepehrimanesh M, Zal F. Veterinary Research Forum. 2015; 6 (3) 233 – 238.

15- Hypoglycemic Effect of Aquatic Extract of Stevia in Pancreas of Diabetic Rats: PPAR γ -dependent Regulation or Antioxidant Potential. **Assaei R**, Mokarram P, Dastghaib S, Darbandi S, Darbandi M, Zal F, Akmal M, Ranjbar Omrani GH. Avicenna J Med Biotechnol. 2016 Apr-Jun; 8(2):65-74

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16- The effect of aloe vera on the expression of wound healing factors (TGF β 1 and bFGF) in mouse embryonic fibroblast cell: In vitro study. Hormozi M, **Assaei R**, Boroujeni MB. Biomed Pharmacother. 2017 Apr; 88:610-616. doi: 10.1016/j.biopha.2017.01.095. Epub 2017 Feb 24.

17-The effects of two-stage carotid occlusion on spatial memory and pro-inflammatory markers in the hippocampus of rats. Moghaddasi M¹, Taati M², Asadian P³, Khalatbary AR⁴, **Assaei R**⁵, Pajouhi N. J Physiol Sci. 2017 May;67(3):415-423.

18-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.

