

CURRICULUM VITAE

PERSONAL INFORMATION

First Name: Safoura

Surname: Raoufi

Gender: Female

Marital Status: Married

Date of Birth: 27th March 1979

Nationality: Iranian

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EXPERTISE

Medical physiologist with

-Experiences in teaching Human physiology at Medicine, Dentistry, Pharmacy, Nursing and midwifery, Paramedicine, Rehabilitation and Health sciences faculties.

-Laboratory experiences specifically focusing on neuroendocrinology.

POSITION and ADDRESS

❖ Assistant Professor of Physiology, Department of Physiology, Hamadan University of Medical Sciences, Hamadan, Iran.

with more than fourteen-year experience

EDUCATIONAL BACKGROUND

❖ PhD in Medical Physiology, Iran University of Medical Science, Tehran-Iran, 2011-2015

❖ MSc in Medical Physiology, Isfahan University of Medical Science, Isfahan-Iran, 2002-2005.

❖ BSc in Midwifery, Hamadan University of Medical Science, Hamadan- Iran, 1997-2001

❖ Ph.D theses

Evaluation the effect of Salvianolic acid B(Sal B) on pancreatic beta cells in cytokine and streptozotocin- induced toxicity (In vivo & In vitro study).

Supervisors: Prof. Tourandokht Baluchnejadmojarad, Prof. Mehrdad Roghani

❖ M.Sc thesis

Evaluation the effects of locus coeruleus electrical stimulation on brain waves of morphine dependent rats.

Supervisor: Prof. Hojatollah Alaei

RESEARCH INTEREST

- Pathogenesis of Diabetes

- Diabetes complications

- Insulin-secretion by isolated Pancreatic islets

- Pathogenesis of Alzheimer

-Investigation the protective effects of some natural compounds on metabolic and neurodegenerative diseases

- Oxidative stress and Inflammation

PUBLICATIONS

* Corresponding author

1- **Raoufi S**, Salavati S, Komaki A, Shahidi S& Zarei M. Royal jelly improves learning and memory deficits in an amyloid β -induced model of Alzheimer's disease in male rats: Involvement of oxidative stress. *Metabolic Brain Disease*. 2023;1-10.

2- Asadbegi M, Komaki H, Faraji N, Taheri M, Safari S, **Raoufi S**, Kourosh-Arami M, Golipoor Z & Komaki A. Effectiveness of coenzyme Q10 on learning and memory and synaptic plasticity impairment in an aged A β -induced rat model of Alzheimer's disease: a behavioral, biochemical, and electrophysiological study. *Psychopharmacology*. 2023; 240(4):951-67.

3- Nazari L, Komaki S, Salehi I, **Raoufi S**, Golipoor Z, Kourosh-Arami M, Komaki A. Investigation of the protective effects of lutein on memory and learning using behavioral methods in a male rat model of Alzheimer's disease. *Journal of Functional Foods*. 2022 December;99:105319.

4- Nouri E, Karimi SA, **Raoufi S**, Zarei M. Protective effects of L-carnitine against valproic acid-induced memory impairment and anxiety-like behavior in adult rat. *Physiology & Behavior*. 2022 Sep 1;253:113853.

5- Sayahi Z, Komaki A, Saidi Jam M, Karimi SA, **Raoufi S**, Mardani P, Naderishahab M, Sarihi A, Mirnajafi-Zadeh J. Effect of ramosetron, a 5-HT₃ receptor antagonist on the severity of seizures and memory impairment in electrical amygdala kindled rats. *J Physiol Sci*. 2022 Jan 16;72(1):1.

6- Shahidi S, Komaki A, **Raoufi S***, Salehi I, Zarei M, Mahdian M. The Anti-nociceptive Effect of Ellagic Acid in Streptozotocin-induced Hyperglycemic Rats by Oxidative Stress Involvement. *Basic Clin Neurosci*. 2021 Nov-Dec;12(6):861-872.

7- Etaee F, Rezvani-Kamran A, Komaki S, Asadbegi M, Faraji N, **Raoufi S**, Taheri M, Kourosh-Arami M, Komaki A. Effects of Buprenorphine on the Memory and Learning Deficit Induced by Methamphetamine Administration in Male Rats. *Front Behav Neurosci*. 2021 Nov 23;15:748563.

- 8- Farhadi Nasab A, **Raoufi S**, Bahrami N. Ascorbic acid effect on morphine withdrawal symptoms in rats. *Journal of Craniomaxillofacial Research*. 2021.
- 9- Shekarian M, Komaki A, Shahidi S, Sarihi A, Salehi I, **Raoufi S**. The protective and therapeutic effects of vinpocetine, a PDE1 inhibitor, on oxidative stress and learning and memory impairment induced by an intracerebroventricular (ICV) injection of amyloid beta ($\text{A}\beta$) peptide. *Behav Brain Res*. 2020 Apr 6;383:112512.
- 10- Komaki H, Faraji N, Komaki A, Shahidi S, Etaee F, **Raoufi S**, Mirzaei F. Investigation of protective effects of coenzyme Q10 on impaired synaptic plasticity in a male rat model of Alzheimer's disease. *Brain Res Bull*. 2019 Apr;147:14-21.
- 11- Almasi A, Zarei M, **Raoufi S**, Sarihi A, Salehi I, Komaki A, Hashemi-Firouzi N, Shahidi S. Influence of hippocampal GABAB receptor inhibition on memory in rats with acute β -amyloid toxicity. *Metab Brain Dis*. 2018 Dec;33(6):1859-1867.
- 12- **Raoufi S***, Baluchnejadmojarad T. Salvianolic acid B improves insulin secretion from interleukin 1β -treated rat pancreatic islets: The role of PI3K-Akt signaling *Journal of Basic and Clinical Pathophysiology*. 2018.
- 13- **Raoufi S**, Baluchnejadmojarad T, Roghani M, Ghazanfari T, Khojasteh F, Mansouri M. Antidiabetic potential of salvianolic acid B in multiple low-dose streptozotocin-induced diabetes. *Pharm Biol*. 2015;53(12):1803-9.
- 14- Khojasteh F, Nahavandi A, Mehrpouya S, Homberg JR, Mirzamohammadi S, **Raoufi S**, Soleimani M, Barati M. Cognitive impairment induced by permanent bilateral common carotid occlusion exacerbates depression-related behavioral, biochemical, immunological and neuronal markers. *Brain Res*. 2015 Jan 30;1596:58-68.
- 15- Baluchnejadmojarad T, Hassanshahi J, Roghani M, Mansouri M, **Raoufi S**. Effect of Carvacrol in 6-hydroxydopamine Hemi-parkinsonian Rat Model. *Journal of Basic and Clinical Pathophysiology*. 2014
- 16- Baluchnejadmojarad T, Roghani M, Nadoushan MRJ, Mahdavi MRV, Kalalian-Moghaddam H, Roghani-Dehkordi F, Dariani S, **Raoufi S**. The sesame lignan sesamin attenuates vascular dysfunction in streptozotocin diabetic rats: involvement of nitric oxide and oxidative stress. *European journal of pharmacology*. 2013; 698 (1-3), 316-321.

17- **Raufi S**, Alaii H. The effects of locus coeruleus electrical stimulation on brain waves of morphine dependent rats. *Physiology and Pharmacology*.Vol. 10, Winter 2007, 283-290

[Publications: Google Scholar Profile](#)