

CURRICULUM VITAE



Personal Information

Name: Shadan Saberi

Born: May 27, 1981; Isfahan, Iran

Marital Status: Single

Gender: Female

Nationality: Iranian

University employment

Department of Physiology and Pharmacology, Kerman University of Medical Science, Iran

Membership of Societies

Member of Iranian Society of Physiology and Pharmacology since 2008

Academic Background

B.Sc. in Nursing, 2004, Shahid Sadoughi Yazd University of Medical Science, Yazd, Iran

M.Sc. in Physiology, 2010, Jundishapour Ahvaz University of Medical Science, Ahvaz, Iran

Ph.D in Physiology, (2010-2016), Isfahan University of Medical Science, Isfahan, Iran

Research Interests

- 1) Effects of NaHS in renal and respiratory system
- 2) Renal physiology and pathology
- 3) Regulation of blood pressure
- 4) Role of Sexual hormones
- 5) Gender differences in renal function
- 6) Role of MicroRNAs in renal fibrosis

- 7) Phytoestrogens and renal fibrosis
- 8) Role of Renin Angiotensin System especially angiotensin 1-7 in renal physiology and pathology

Publications

- 1) Soodeh Rajabi, **Shadan Saberi**, Hamid Najafpour, Majid Askaripour, Mohammad Amin Rajizadeh, Sariah Shahraki, Sara Kazeminia. Interaction of estradiol and renin-angiotensin system with microRNAs-21 and -29 in renal fibrosis: focus on TGF-beta/smad signaling pathway. *Molecular Biology Reports* (2024) 51:137
- 2) Zahrasadat Roholamini, Mehdi Abbaspoor, Soheil Aminizadeh*, **Shadan Saberi**. Moderate-intensity training can ameliorate the process of cardiac apoptosis induced by lithium drug consumption in male Wistar rats. *Toxicology Reports* 13 (2024) 101802
- 3) **Shadan Saberi***, Hamid Najafipour, Mohammad Amin Rajizadeh, Abbas Etminan*, Elham Jafari and Maryam Iranpour. NaHS protects brain, heart, and lungs as remote organs from renal ischemia/reperfusion-induced oxidative stress in male and female rats. *BMC Nephrology* (2024) 25:373
- 4) **Shadan Saberi**, Majid Askaripour, Mohammad Khaksari, Mohammad Amin Rajizadeh, Mohammad Abbas Bejeshk, Mohammad Akhbari, Elham Jafari f, Kayvan Khoramipour. Exercise training improves diabetic renal injury by reducing fetuin-A, oxidative stress and inflammation in type 2 diabetic rats. *Heliyon* 10 (2024) e27749
- 5) Alireza Raji-Amirhasani, Mohammad Khaksari*, Zahra Soltani, **Shadan Saberi**, Maryam Iranpour, Fatemeh Darvishzadeh Mahani, Zahra Hajializadeh and Nazanin Sabet. Beneficial effects of time and energy restriction diets on the development of experimental acute kidney injury in Rat: Bax/Bcl-2 and histopathological evaluation. *BMC Nephrology* (2023) 24:59
- 6) Majid Askaripour, Hamid Najafipour, **Shadan Saberi***, Shahriar Dabiri, Maryam Iranpour, Abbas Etminan*, and Mehdi Nematbakhsh. Sodium hydrogen sulfide may not protect the kidney against ischemia/reperfusion damage in male and female rats. *RPS*, 2023; 18(3): 262-269

- 7) Askaripour, M., Najafipour, H.M, Jafarinejad-Farsangi, S., Rajabi, S., **Saberi Sh.**, and Jafari E. The effect of daidzein on renal injury in ovariectomized rats: interaction of angiotensin receptors and long non-coding RNAs H19, GAS5, MIAT, and Rian. *IJVR*, 2023, Vol. 24, No. 1, Ser. No. 82, Pages 14-21

- 8) **Saberi S**, Askaripour M, Afzali H, Khaksari M. Educational tips for students and physiology instructors regarding reabsorption of kidney's proximal tubule and autoregulation: different perspectives of medical and postgraduate students. *Journal of Kerman University of Medical Sciences*. 2022;29(6):586-592. doi:10.34172/jkmu.2022.73

- 9) Askaripour M, Najafipour H, **Saberi Sh**, Yazdani S, Jafarinejad-Farsangi S, Rajabi S, Jafari E, Proost P, Struyf S, Poosti F. Administration of melatonin protects against acetylsalicylic acid-induced impairment of male reproductive function in mice. *Iran J Basic Med Sci* 2022; 25

- 10) Batool Tirgari, Mohammad Khaksari, Zahra Soltani, Moghaddameh Mirzaee, **Shadan Saberi**, Hamideh Bashiri. Spiritual Well-being in Patients with Chronic Diseases: A Systematic Review and Meta-analysis. *Journal of Religion and Health* (2022) 61:3969–3987

- 11) H. Najafipour, GH. Sepehri, **SH. Saberi**, H. Kashef, and V. Borhaninejad. Design and Evaluation of an Educational Intervention to Prepare Close-to-Retirement Employees for Retirement. *Advances in Gerontology*, 2022, Vol. 12, No. 2, pp. 162–167

- 12) Majid Askaripour, Hamid Najafipour, **Shadan Saberi**, Elham Jafari, Soodeh Rajabi. Daidzein Mitigates Oxidative Stress and Inflammation in the Injured Kidney of Ovariectomized Rats: AT1 and Mas Receptor Functions. *IJKD* 2022;16:32-43

- 13) Kharazmi F, Hosseini Dastgerdi H, **Saberi S**, Maleki M, Soltani N, Nematbakhsh M. Glucose transporters in kidney; the role of gender and diabetes mellitus. *J Nephropharmacol*. 2022;11(1):e03. DOI: 10.34172/npj.2022.03.

- 14) Najafipour H; Bagheri M; **Saberi S**; Farokhi M; Amirzadeh R; Mirzazadeh A. Epidemiological update on prevalence and incidence of overweight and obesity in adults in the south-east of the Islamic Republic of Iran: findings from the Kerman Coronary Artery Diseases Risk Factors Study (KERCADRS). *East Mediterr Health J*. 2021;27(9):874-883. <https://doi.org/10.26719/emhj.21.035>

- 15) **Shadan Saberi**, Mehdi Nematbakhsh, Aghdas Dehghani. Role of bradykinin and mas receptor blockade in renal vascular responses to angiotensin 1-7 in adult female rats, J Mazandaran Univ Med Sci 2020; 30(186): 34-46 (Persian)
- 16) **Shadan Saberi**, Aghdas Dehghani, Mehdi Nematbakhsh. Angiotensin 1-7 administration increases renal blood flow in the absence of bradykinin B2 receptor in ovariectomized estradiol treated rats: The role of mas receptor. Acta Med Iran 2019;57(2):103-109
- 17) **Saberi Sh**, Nematbakhsh M, Dehghani A. The Role of Mas Receptor and Bradykinin on Nitric Oxide Production Response to Angiotensin 1-7 in Ovariectomized Rats Treated with Estradiol. HMJ 2018;22(1):12-17.
- 18) Mehdi Nematbakhsh*, Zahra Pezeshki, Fatemeh Eshraghi Jazi, Bahar Mazaheri, Maryam Moeini, Tahereh Safari, Fariba Azarkish, Fatemeh Moslemi, Maryam Maleki, Alireza Rezaei, **Shadan Saberi**, Aghdas Dehghani, Maryam Malek. Cisplatin-Induced Nephrotoxicity; Protective Supplements and Gender Differences. Asian Pac J Cancer Prev. 2017;18(2):295–314. doi: 10.22034/APJCP.2017.18.2.295
- 19) **Shadan Saberi**, Aghdas Dehghani, Mehdi Nematbakhsh. The role of Mas receptor in renal blood flow response to Ang 1-7 in ovariectomized estradiol treated rats. Res Pharm Sci. 2016 Jan-Feb;11(1):65-72.
- 20) Sadeghi F, Nematbakhsh M, Eshraghi-jazi F, Dehghani A, **Saberi Sh**, Shirdavani S, Ashrafi F. Protective effect of pomegranate flower extract against gentamicin- induced renal toxicity in male rats J Renal Inj Prev. 2015; 4(2): 45-50
- 21) Aghdas Dehghani, **Shadan Saberi**, Mehdi Nematbakhsh. Role of Mas Receptor Antagonist A799 in Renal Blood Flow Response to Ang 1-7 after Bradykinin Administration in Ovariectomized Estradiol- Treated Rats. Adv Pharmacol Sci. 2015:2015:801053. doi: 10.1155/2015/801053.
- 22) Motamedi F, Nematbakhsh M, Monajemi R, Pezeshki Z, Talebi A, Zolfaghari B, Azam Mansoori, **Shadan Saberi**, Aghdas

Dehghani, Farzaneh Ashrafi. Effect of pomegranate flower extract on cisplatin-induced nephrotoxicity in rats. J Nephropathol 2014; 3(4):133-138. DOI: 10.12860/jnp.2014.26

- 23) Mohammad Kazem Gharib-Naseri, **Shadan Saberi**, Seyyed Ali Mard, and Seyyed Mahmood Latifi. Bronchodilatory effect of hydrogen sulfide in rat. Iran J Basic Med Sci. 2012

Presentations; Abstract

- 1) The effect of sitagliptin on liver fibrosis induced by bile duct " ligation in male rats: the role of oxidative stress, inflammation and sestrin2" At the Phypha 26 Semnan, Iran, October 11-13, 2023 (Oral Presentation)
- 2) Effect of Testosterone on renal sodium excretion and blood pressure in mice on high salt and high fructose oral presented in 2nd international and 23st Iranian congress of physiology and pharmacology. Zahedan university of medical Science, Chabahar- Iran 2018 (Oral Presentation)
- 3) Sex differences in renal sodium handling in mice on high salt-high fructose diet in meeting symposium titled" Cardiovascular, Renal and Metabolic Disease: Physiology and Gender" sponcered by the American Physiologycal Society (APS) occurred in November 17-22, 2015
- 4) Estrogen does not protect ovariectomized mice from increased blood pressure and sodium retention induced by high fructose and high salt diet in Experimental Biology Metting in San Diego, California at April 2-6, 2016
- 5) The effect of cisplatinon response to angiotensin II and endothelial vascular permeability change in female rats. 21st international Iranian congress of physiology and pharmacology. Tabriz university of medical Science, Tabriz- Iran
- 6) The effect of cisplatin on response to angiotensin II and endothelial vascular permeability change in male rats. 21st international Iranian

congress of physiology and pharmacology. Tabriz university of medical Science, Tabriz- Iran

- 7) Effect of *Olea europaea* L. Extract on Blood Glucose, Insulin and Fasting Insulin Resistance Index in Sucrose-induced Diabetes in Female Rat, Abstract booklet. 19th conference of physiology and pharmacology of shahid beheshti university of medical Science, Tehran- Iran
- 8) Evaluation of *Olea europaea* L. Extract on lipid profile in Sucrose-induced Diabetes in Female Rat Abstract booklet. 19th conference of physiology and pharmacology of shahid beheshti university of medical Science, Tehran- Iran
- 9) Evaluation of *Olea europaea* L. Extract on Level of Leptin in Sucrose-induced Diabetes in Female Rat. Abstract booklet. 19th conference of physiology and pharmacology of shahid beheshti university of medical Science, Tehran- Iran
- 10) Effect of *Olea europaea* L. Extract on Hepatic Toxicity in Sucrose-induced Diabetes in Female Rat. Abstract booklet. 19th conference of physiology and pharmacology of shahid beheshti university of medical Science, Tehran- Iran
- 11) Relaxant effect of *Tecomastans* L. Juss on isolated trachea in rat.

Sabbatical

Six months observation and participation in different projects in Oklahoma State University of America. The experiences were as followings:

- 1) Metabolic cage studies on gender difference of Na handling and blood pressure measurement in high salt-high fructose diet animals
- 2) Expression of Na transporters in kidney tissue were monitored by Real-Time PCR
- 3) Kidney dissection and perfusion of internal medullary collecting duct for studying behavior of special part of nephron