

Curriculum Vitae (CV)

1. PERSONAL INFORMATION

Name: Shokofeh Banaei

E-mail: S.banaei@arums.ac.ir

Date of birth: 1975

Place of birth: Kivi, Ardabil, Iran

Sex: Female

Nationality: Iranian

Status: Married

Affiliation: Department of Physiology, School of Medicine, Ardabil University of Medical Sciences, Ardabil, Iran

2. EDUCATION

B.Sc

Nursing, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 1998

M.Sc

Physiology, Iran University of Medical Sciences, Thran, Iran, 2004

Ph.D

Physiology, Tabriz University of Medical Sciences, Tabriz, Iran, 2013

3. WORKSHOPS

- The first theoretical and practical workshop on Isolated Organ Perfusion. Tehran University of Medical Sciences, March 2003
- Joint Research Project: Karolinska Institutet -Ardabil University of Medical Sciences. Designing an Injury Prevention Model for Burns, June 2005
- Laboratory animal handling at Inistitutet Pasture, Tehran, Iran, July 2005

4. ACADEMIC POSITIONS

- Reviewer of articles for the Iranian Journal of Basic Medical Sciences, 2013
- Reviewer of articles for the Nephron Clinical Practice Journal, 2014
- Reviewer of articles for the Scientific Reports, 2021
- Reviewer of articles for the Renal Failure, 2021

5. PUBLISHED FULL PAPERS

1. Mojgan Timar, Ramin Salimnejad, Mohammad Ghasem Golmohammadi, Shokofeh Banaei, Zahra Mehraban. Impact of saponin on cyclophosphamide -induced testicular damage. *Physiology and Pharmacology* (2023).

2. Mohammad Ghasem Golmohammadi, Shokofeh Banaei, Mojgan Timar, Ali Abedi. Saponin protects against cyclophosphamide-induced kidney and liver damage via antioxidant and anti-inflammatory actions. *Physiology International* (2023).
3. Rezagholizadeh L, Aghamohammadian M, Oloumi M, Banaei S, Mazani M, Ojarudi M. Inhibitory effects of *Ficus carica* and *Olea europaea* on pro-inflammatory cytokines: A review. *Iran J Basic Med Sci.* 2022 Mar; 25(3):268-275. doi: 10.22038/IJBMS.2022.60954.13494.
4. Timar M, Banaei S, Mehraban Z, Salimnejad R, Golmohammadi MG. Protective effect of saponin on sperm DNA fragmentation of mice treated with cyclophosphamide. *Andrologia.* 2022 Mar; 54(2):e14336. doi: 10.1111/and.14336. Epub 2021 Nov 29.
5. Banaei S. The Protective Effect of Antioxidant and Anti-inflammatory Nanoparticles in Renal Ischemia-Reperfusion Damage. *Journal of Ardabil University of Medical Sciences.* 2022; 21 (4), 361-373.
6. Golmohammadi MG, Banaei S, Azimian E. Mechanistic Evaluation of Linalool Effect against Renal Ischemia- Reperfusion Injury in Rats. *Drug Res.* 2021 Sep; 71(7):372-378. doi: 10.1055/a-1488-5904. Epub 2021 May 21.
7. Golmohammadi MG, Banaei S, Nejati K, Chinifroush-Asl MM. Vitamin D3 and erythropoietin protect against renal ischemia-reperfusion injury via heat shock protein 70 and microRNA-21 expression. *Sci Rep.* 2020 Dec 1;10(1):20906. doi: 10.1038/s41598-020-78045-3.
8. Mazani M, Ojarudi M, Banaei S, Salimnejad R, Latifi M, Azizi H, Rezagholizadeh L. The protective effect of cinnamon and ginger hydro-alcoholic extract on carbon tetrachloride-induced testicular damage in rats. *Andrologia.* 2020 Aug;52(7):e13651. doi: 10.1111/and.13651. Epub 2020 May 26.
9. Golmohammadi MG, Ajam R, Shahbazi A, Chinifroush-Asl MM, Banaei S. Protective effect of vitamin D3 and erythropoietin on renal ischemia/reperfusion-induced liver and kidney damage in rats. *Journal of Herbmed Pharmacology.*2020; 9 (3), 293-299.
10. Golmohammadi MG, Shahbazi A, MMC Asl, Banaei S. Calcitriol and Erythropoietin Protect Against Cardiac Injury Induced by Renal Ischemia-Reperfusion. *Biointerface Research in Applied Chemistry.*2020; 10 (6), 6718 – 6727.
11. Mazani M, Banaei S, Rezagholizadeh L. Feverfew attenuates carbon tetrachloride-induced testicular damage in rats. *Journal of HerbMed Pharmacology.* 2019; 9 (1), 42-47.
12. Banaei S, Rezagholizadeh L. The role of hormones in renal disease and ischemia-reperfusion injury. *Iran J Basic Med Sci.* 2019 May;22(5):469-476. doi: 10.22038/ijbms.2019.34037.8095.
13. Mazani M, Mahmoodzadeh Y, Chinifroush Asl MM, Banaei S, Rezagholizadeh L, Mohammadnia A. Renoprotective effects of the methanolic extract of *Tanacetum parthenium* against carbon tetrachloride-induced renal injury in rats. *Avicenna J Phytomed.* 2018 Jul-Aug;8(4):370-379.

14. Nowrouzi PS, Mazani M, Rezagholizadeh L, Banaei S. Mechanism and Clinical Aspects of the Effects of Chicory on Diabetes. *Asian Journal of Research in Medical and Pharmaceutical Sciences*. 2017; 1 (4), 1-11.
15. Mazani M, Argani H, Rashtchizadeh N, Banaei S, Arbat BK, Rezagholizadeh L. Effect of Zinc Supplementation on Blood Pressure and Complete Blood Count in Hemodialysis Patients. *Asian Journal of Medicine and Health*. 2017; 7 (3), 1-10.
16. Banaei S, Ahmadiasl N, Alihemmati A. Combination Anti-Apoptotic Effect of Erythropoietin and Melatonin on Ischemia Reperfusion-Induced Renal Injury in Rats. *Acta Med Iran*. 2016 Oct;54(10):624-630.
17. Banaei S. The effect of 5-aminosalicylic acid on renal ischemia-reperfusion injury in rats. *Indian J Pharmacol*. 2016 Mar-Apr;48(2):196-9. doi: 10.4103/0253-7613.178840.
18. Banaei S, Ahmadiasl N, Alihemmati A. Comparison of the Protective Effects of Erythropoietin and Melatonin on Renal Ischemia-Reperfusion Injury. *Trauma Mon*. 2016 Jul 17;21(3):e23005. doi: 10.5812/traumamon.23005. eCollection 2016 Jul.
19. Banaei S. Novel role of microRNAs in renal ischemia reperfusion injury. *Ren Fail*. 2015 Aug;37(7):1073-9. doi: 10.3109/0886022X.2015.1055697. Epub 2015 Jun 9.
20. Ahmadiasl N, Banaei S, Alihemmati A, Baradaran B, Azimian E. Effect of a combined treatment with erythropoietin and melatonin on renal ischemia reperfusion injury in male rats. *Clin Exp Nephrol*. 2014 Dec;18(6):855-64. doi: 10.1007/s10157-014-0937-6. Epub 2014 Feb 4.
21. Ahmadiasl N, Banaei S, Alihemmati A, Baradaran B, Azimian E. The anti-inflammatory effect of erythropoietin and melatonin on renal ischemia reperfusion injury in male rats. *Adv Pharm Bull*. 2014;4(1):49-54. doi: 10.5681/apb.2014.008. Epub 2013 Dec 23.
22. Ahmadiasl N, Banaei S, Alihemmati A. Combination antioxidant effect of erythropoietin and melatonin on renal ischemia-reperfusion injury in rats. *Iran J Basic Med Sci*. 2013 Dec;16(12):1209-16.
23. Karimi N, Sharghi A, Baser R, Banaei Sh, Hajmohamadi E. The Assessment of the Pattern of Impacted Mandibular Third Molars in Ardabil City Population. *Journal of Ardabil University of Medical Sciences*. 2019; 19(3): 323-333.
24. Karim Jafari, Kazem Alipour, Somayeh Hekmatfar, Shokofeh Banaei. In-vitro comparison of microleakage of two types of restorative Glass Ionomer in class V cavities in primary teeth. *Scientific Journal of Kurdistan University of Medical Sciences*. 2023; 3.

6. EXPERIENCES

- Physiology Methods for identification of Biologic Agents: (Nitric oxide, TNF- α , IL-1 β , NF- κ β , Bcl2, HSP 70, MicroRNAs, etc), Putrefaction processes of protein, ELISA Reader, PCR, Immunohistochemistry, Apoptosis assay (TUNEL Assay), EndNote, Graph Pad Prism.

7. CONGRESSES

- 3rd congress of Nephrology and Urology, Dec 6-8, 2017, Kish Island- Iran. Poster

- 1st community medicine congress, Feb 2017, Tehran University of Medical Sciences. Oral Presentation.
- 2nd The International Congress of Nephrology & Urology, Aug 1-4, 2016, Tehran – Iran. Poster
- 8th International Congress of Laboratory and Clinic & the 1th National Congress of Basic Medical Sciences & the Knowledge-based production, Feb 2016, Tehran – Iran. Poster
- 21st international iranian congress of physiology and pharmacology, Aug 23-27, 2013, Tabriz-Iran. Oral Presentation

8. THESIS

1. The effect of saponin on renal ischemia-reperfusion injury in male rats.
2. The effect of Erythropoietin and Calcitriol on cardiac damage induced by renal ischemia reperfusion in rats.
3. The effect of Calcitriol on the expression of miR-21 in renal ischemia-reperfusion injury in male rats.
4. The effect of Calcitriol on the expression of HSP 70 and caspase 3 in renal ischemia-reperfusion injury in rats.
5. The Prevalence of Skeletal Disorders among high School Girl Students in Ardabil in 2019.
6. The Prevalence of Skeletal Disorders among Elementary School Girl Students in Ardabil in 2019.
7. Effect of saponin on sperm parameters of male mice treated with Cyclophosphamide.
8. The Prevalence of Skeletal Disorders among middle-School Girl Students in Ardabil in 2019.
9. Effect of calcitriol and erythropoietin on renal ischemia/reperfusion-induced liver damage in rats.
10. Effect of calcitriol and erythropoietin on ischemia/reperfusion-induced renal damage in rats.
11. The study of surgical treatment results of the atrophic mandibular fracture with rigid fixation at inferior border.
12. Comparative evaluation of microleakage of two types of Glass Ionomer cement in Class V restorations on primary teeth: an in vitro study.