

CURRICULUM VITAE



1- Personal information

Name: Marjan khorsand

Nationality: Iranian

Affiliation: Department of Laboratory sciences, School of Paramedical Sciences, Shiraz University of Medical Sciences, Shiraz, Iran.

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Marital Status: Married, one Child

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2-Education:

Now

Assistant professor of Clinical Biochemistry
Shiraz University of Medical Sciences,
Shiraz, Iran

2017-2022

PhD in Clinical Biochemistry, Biochemistry
Department, Shiraz University of Medical
Sciences, Shiraz, Iran.

2007-2010

M.Sc. in Clinical Biochemistry.
Biochemistry Department, Yazd University
of Medical Sciences, Yazd, Iran.

1998-2002

B. Sc. in Biology, Arak University, Arak,
Iran

3-Experimental skills:

- Work with rat, gavage feeding to rat
- Enzyme assay, Kinetic assay, End point assay
- Antioxidant enzymes assay; (MDA, glutathione peroxidase, Catalase, Superoxide Dismutase, glutathione peroxidase, Aldose reductase)
- Cell culture
- Adhesion Assay
- Migration Assay
- Flow cytometry
- DNA and RNA extraction
- Electrophoresis
- RT-PCR
- Real-Time PCR technique
- Cell Protein extraction and protein assay
- HPLC
- Quality Control techniques in clinical laboratory
- Expert in general Biochemistry tests

4- Publications:

1. **Khorsand M**, Akmalı M, Akhzari M. Efficacy of melatonin in restoring the antioxidant status in the lens of diabetic rats induced by streptozotocin. Journal of Diabetes & Metabolic Disorders. 2019;18(2):543-9.
2. **Khorsand M**, Akmalı M, Sharzad S, Beheshtitabar M. Melatonin reduces cataract formation and aldose reductase activity in lenses of streptozotocin-induced diabetic rat. Iranian journal of medical sciences. 2016;41(4):305.
3. Pakfetrat M, Akmalı M, Malekmakan L, Dabaghimanesh M, **Khorsand M**. Role of turmeric in oxidative modulation in end-stage renal disease patients. Hemodialysis International. 2015;19(1):124-31.
4. Afzal E, Alinezhad S, **Khorsand M**, Khoshnood MJ, Takhshid MA . Effects of two-by-two combination therapy with valproic acid, lithium chloride, and celecoxib on the

angiogenesis of the chicken chorioallantoic membrane. Iranian journal of medical sciences. 2018;43(5):506.

5. Hoorang A, Saberzadeh J, Iranpak F, Mohammadi-Bardbori A, **Khorsand M**, Takhshid MA. The effect of sodium fluoride on aluminum-induced oxidative stress and apoptosis of pc12 in vitro. Fluoride. 2020;53(2):276-89.
6. Asadi P, Vessal M, **Khorsand M**, Takhshid MA. Erythrocyte glucose-6-phosphate dehydrogenase activity and risk of gestational diabetes. Journal of Diabetes & Metabolic Disorders. 2019;18(2):533-41.
7. Arabsolghar R, Saberzadeh J, Khodaei F, Borojeni RA, **Khorsand M**, Rashedinia M. The protective effect of sodium benzoate on aluminum toxicity in PC12 cell line. Res Pharm Sci. 2017;12(5):391.
8. A Seri, **M Khorsand**, Z Rezaei, A Hamed, MA Takhshid. Inhibitory effect of bunium persicum hydroalcoholic extract on glucose-induced albumin glycation, oxidation, and aggregation in vitro. Iranian journal of medical sciences. 2017, 42 (4), 369
9. Keshavarzi F, Rastegar M, Vessal M, Dehbidi GR, **Khorsand M**, Ganjkarimi AH, et al. Serum ischemia modified albumin is a possible new marker of oxidative stress in phenylketonuria. Metab Brain Dis. 2018;33(3):675-80.
10. Setoodeh S, **Khorsand M**, Takhshid MA. The effects of iron overload, insulin resistance and oxidative stress on metabolic disorders in patients with β -thalassemia major. Journal of Diabetes & Metabolic Disorders 19, 767-774
11. S Najafi, SH Khatami, **M Khorsand**, Z Jamali, Z Shabaninejad Long non-coding RNAs (lncRNAs); roles in tumorigenesis and potentials as biomarkers in cancer diagnosis., Experimental Cell Research. 2022, 418 (2), 113294
12. A Movahedpour, SH Khatami, **M Khorsand**, M Salehi, A Savardashtaki., Exosomal noncoding RNAs: key players in glioblastoma drug resistance. Molecular and cellular biochemistry. 2021, 476, 4081-4092
13. SH Khatami, N Karami, M Taheri-Anganeh, S Taghvimi, G Tondro, **M Khorsand**, Exosomes: promising delivery tools for overcoming blood-brain barrier and glioblastoma therapy. Molecular Neurobiology. 2023, 60 (8), 4659-4678
14. **M Khorsand**, S Khajeh, M Eslami, N Nezafat, Y Ghasemi, V Razban Telmisartan anti-cancer activities mechanism through targeting N-cadherin by mimicking ADH-1 function. Journal of Cellular and Molecular Medicine.2022, 26 (8), 2392-2403
15. **M Khorsand**, Z Mostafavi-Pour, V Razban, S Khajeh, R Zare. Combinatorial effects of telmisartan and docetaxel on cell viability and metastatic gene expression in human prostate and breast cancer cells. Molecular Biology Research Communications.2022, 11 (1), 11

16. ZO Roudsari, H Ghasemi, SH Khatami, **M Khorsand**, F Rahdan, Aptamer biosensors for thrombin. Clinica Chimica Acta, 2024, 119976
17. **M Khorsand**, Z Mostafavi-Pour, A Tahmasebi, S Omidvar Kordshouli, Pegah mousavi. Construction of lncRNA/Pseudogene-miRNA Network Based on In Silico Approaches for Glycolysis Pathway to Identify Prostate Adenocarcinoma-Related Potential Biomarkers. Applied Biochemistry and Biotechnology. 2024, 196 (4), 2332-2355
18. M Razipour, Z Jamali, **M Khorsand**, M Zargar, M Maghsudlu, E Ghadami. Circular RNAs in laryngeal cancer. Clinica Chimica Acta. 2024, 119916
19. SN Mousavinejad, MA Takhshid, S Salami, **M Khorsand**, F Asgari. The Effect of Quercetin on the Expression of miR-21 and miR-34a-5p on HeLa and Ca Ski Cell Lines. Jundishapur Journal of Natural Pharmaceutical Products. 2024, 19 (4)
20. **M Khorsand**, R Arabsolghar, R Ranjbaran, MS Sarvestani, MA Okhovat. Effects of the Aquatic Extract of Cinnamon Zeylanicum on STZ-Induced Diabetic Rats: A Molecular and Histopathological Study. Shiraz E-Medical Journal, 2024.

5- Congress presentation

17th National and 8th International Congress of Biochemistry and Molecular Biology at Tehran, Iran, August 23-26, 2022

Anti-Cancer Effects of Telmisartan in Prostate and Breast cancer cells: Inhibition of N-Cadherin

16th National and 7th International Congress of Biochemistry and Molecular Biology, November 9-12, 2020.

1-Reducing dose of docetaxel using a novel small molecule to achieve efficient inhibition of cancer cell growth

2-Effects of cinnamon extract on liver histopathological features and oxidative stress in STZ-induced diabetic rats

5th Cancer Congress, November 2021, Tehran, Iran

A list of genetic polymorphisms in long non coding RNAs associated with prostate cancer risk

2nd international congress on Hematological disorders, new challenges on diagnosis and treatment, May 2017. Shiraz, Iran

Association of serum ferritin level with insulin resistance in β -thalassemia patients

5th International Congress of Biochemistry and Molecular Biology. 16-19 April 2013, Yazd, Iran

The effects of turmeric on oxidative stress markers in hemodialysis patients

4th International Congress of Biochemistry and Molecular Biology. 6-9 September 2011, Mashhad, Iran

Effects of melatonin on STZ-induced diabetic rats

6- Professional Services

- Reviewer for Journal of cancer research and clinical oncology
- Reviewer for Naunyn-Schmiedeberg's Archives of Pharmacology
- Reviewer for BMC cancer journal
- Reviewer for Scientific Reports journal
- Reviewer for European Journal of Medical research