**CURRICULUM VITAE**

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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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 **2-Education:**

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| **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**, Akmali 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**, Akmali 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, Akmali 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 Hamedi, MA Takhshid. [Inhibitory effect of bunium persicum hydroalcoholic extract on glucose-induced albumin glycation, oxidation, and aggregation in vitro](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:u5HHmVD_uO8C). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:0EnyYjriUFMC).,. 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:Se3iqnhoufwC). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:5nxA0vEk-isC). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:UebtZRa9Y70C). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:hqOjcs7Dif8C). Molecular Biology Research Communications.2022, 11 (1), 11
16. ZO Roudsari, H Ghasemi, SH Khatami, **M Khorsand**, F Rahdan, [Aptamer biosensors for thrombin](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:Zph67rFs4hoC). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:8k81kl-MbHgC). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&citation_for_view=k2WmHtgAAAAJ:kNdYIx-mwKoC). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&cstart=20&pagesize=80&citation_for_view=k2WmHtgAAAAJ:ULOm3_A8WrAC). 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](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=k2WmHtgAAAAJ&cstart=20&pagesize=80&citation_for_view=k2WmHtgAAAAJ:KlAtU1dfN6UC). 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