



In The Name Of God

CURRICULUM VITAE (CV)

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Name: Mohammad Reza

Surname: hajizadeh

Father's Name: ali

Date & place of birth: 21/03/1973 Rafsanjan

Nationality: Iranian

Status: married

Number of child: 3

EducationalQualification:

- 1) Diploma in Natural Sciences, Rafsanjan Iran 1990
- 2) B.Sc. in molecular cell biology, shiraz University, Iran, 1997
- 3) M.Sc. in medical biochemistry from kerman Medical University, Iran, 2002
- 4) Ph.D in medical biochemistry from shiraz medical university, iran, 2012

EDUCATION:

2012 PhD in clinical biochemistry. **Preparation and purification of recombinant NS3 and GP96 proteins : Effect of these proteins on maturation, activation and expression of $\alpha 5$ and $\beta 1$ subunits of integrin in mouse dendritic cells.**

2000-2002 M.Sc in clinical biochemistry Determination of some biochemical parameters in personnel of the sarcheshmeh copper complex molybdenum unit. "kerman University of Medical Sciences" kerman-Iran.

1999-2003 B.Sc in biology of cellular &molecular "shiraz University of Medical .shirazIran.

RESEARCH SKILLS:

DNA and RNA ♣ extraction from all cell systems

Thorough knowledge of PCR and Sequencing, ♣ RT-PCR, RFLP.

Experienced in utilizing Flow Cytometry ♣

Experiences in ELISA ♣

Experiences in cell culture

papers

1. Neda N, Zahra B-H, Mohammad RH, Mitra A, Mohammad RM, Akram GA, et al. Promising effects of Persian shallot extract on the serum markers and blood pressure of patients with metabolic syndrome: a double-blinded randomized controlled trial. *Journal of Traditional Chinese Medicine*. 2025;45(1):100.
2. Saedi A, Zarei S, Vatanparast M, Hajizadeh M, Hosseiniara R, Esmaeili O, et al., editors. Therapeutic effects of stevia aqueous extract alone or in combination with metformin in induced polycystic ovary syndrome rats: Gene expression, hormonal balance, and metabolomics aspects. *Annales Pharmaceutiques Françaises*; 2025: Elsevier.
3. Ohadi H, Khalili P, Abasnezhad Kasrineh F, Esmaeili OS, Esmaeili Ranjbar F, Manshoori A, et al. Umbilical cord blood thyroid hormones are inversely related to telomere length and mitochondrial DNA copy number. *Scientific Reports*. 2024;14(1):3164.
4. Abbasifard M, Kazerooni K, Taghipour Khaje Sharifi G, Bagheri-Hosseiniabadi Z, Hajizadeh MR. Influence of blood trace elements on immune responses and adverse symptoms subsequent to Sinopharm COVID-19 vaccination. *Scientific Reports*. 2024;14(1):29481.
5. Shahrehabaki AM, Nikseresht M, Mahmoodi M, Zarei S, Hosseiniara R, Esmaeili OS, et al. Comparison of Gene Polymorphisms of ACE1 and ACE2 and the Level of Total ACE Activity in the Blood of Afghans and Iranians with COVID-19 and Its Relationship with Disease Severity. *Viral Immunology*. 2024;37(10):470-9.
6. Molavi Vasei F, Zamanian MY, Golmohammadi M, Mahmoodi M, Khademalhosseini M, Tavakoli T, et al. The Impact of Vitamin E Supplementation on Oxidative Stress, Cognitive Functions, and Aging-Related Gene Expression in Aged Mice. *Food Science & Nutrition*. 2024;12(11):9834-45.
7. Bagheri-Hosseiniabadi Z, Eshkevari SMS, Khalighfard S, Alizadeh AM, Khori V, Amiriani T, et al. A systematic approach introduced some immune system targets in rectal cancer by considering cell-free DNA methylation in response to radiochemotherapy. *Cytokine*. 2024;181:156666.
8. Nikseresht M, Shahrehabaki AM, Mohammad-Sadeghipour M, Hajizadeh MR, Zarei S, Hosseiniara R, et al. Comparison of serum levels of IL-10 and IL-11 and mRNA expression of IL-10, IL-11, COX-2, BCL6, and ZEB Family in peripheral blood mononuclear cells (PBMC) of women with polycystic ovary syndrome and healthy individuals. *Journal of Reproductive Immunology*. 2024;164:104281.
9. Emami Aref P, Khoshdel A, Nicknia S, Mahmoodi M, Hajizadeh MR, Mirzaiey MR, et al. Effect of Hydroalcoholic Extract of Chamomile, Aloe Vera, and Green Tea on the Diabetic Wound in Rats. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 2024;94(4):803-10.
10. Asadikaram G, Norouzi S, Khalili T, Abolhassani M, Torkzadeh-Mahani M, Hajizadeh MR, et al. Effect of Cooking Procedure on B1, B2, and B6 Vitamins Content and Some Elements in the Main Rice Brands in the Iranian Market. *Current Nutrition & Food Science*. 2024;20(2):242-9.
11. Hajizadeh MR, Ranjbar FE, Abasi A, Abbasifard M, Mahmoodi M, Noroozi-Karimabad M. Regulatory Effects of the Silymarin on Expression of OCT4, NANOG, and P53 in MCF7 Cell Lines. *Current Bioactive Compounds*. 2024;20(4):1-6.
12. Salemi S, Zamanian MY, Giménez-Llort L, Jalali Z, Mahmoodi M, Golmohammadi M, et al. Distinct signatures on d-galactose-induced aging and preventive/protective potency of two low-dose

vitamin D supplementation regimens on working memory, muscular damage, cardiac and cerebral oxidative stress, and SIRT1 and calstabin2 downregulation. *Food Science & Nutrition*. 2023;11(9):5050-62.

13. Abbasifard M, Mohammadiranjbar F, Mohammad-Sadeghipour M, Mahmoodi M, Hassanshahi G, Swann J, et al. Evaluation of epigenetic-related gene expression (DNMT, HDAC1) in Iranian patients with systemic lupus erythematosus. *Reumatologia Clinica*. 2023;19(7):358-62.
14. Abad FRM, Hajizadeh MR, Mahmoodi M, Jalali Z, Kazeruni FN, Swann J, et al. Evaluation of H19, Mest, Meg3, and Peg3 genes affecting growth and metabolism in umbilical cord blood cells of infants born to mothers with gestational diabetes and healthy mothers in Rafsanjan City, Iran. *Journal of Developmental Origins of Health and Disease*. 2023;14(2):182-9.
15. Mazraesefidi M, Mahmoodi M, Hajizadeh M. Effects of silibinin on apoptosis and insulin secretion in rat RINm5F pancreatic β -cells. *Biotechnic & Histochemistry*. 2023;98(3):201-9.
16. Yarahmadi Z, Sadeghi A, Mohammadian F, Roustaei F, Hajizadeh M, Mirzaei M, et al. Epigenetic Modification of HepG2 Cells by Modulating DNA (cytosine-5)-methyltransferase 1 (DNMT1) and Ten-eleven Translocation Methylcytosine Dioxygenase 1 (TET1) Expression using Persian Shallot Extract. *Current Chemical Biology*. 2023;17(3):196-201.
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20. Mazraesefidi M, Sadeghipour MM, Khorramdelazad H, Mahmoodi M, Khoshdel A, Fahmidehkar M, et al. Evaluation Effects of Quercetin on Streptozotocin-treated RINm5F Pancreatic β -cells in vitro. *Current Chemical Biology*. 2021;15(4):310-8.
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22. Karimabad MN, Roostaei F, Mahmoodi M, Hajizadeh MR. Evaluation of the Effect of Orlistatorlistat on expression of OCT4, nanog, SOX2, and KLF4 genes in Colorectal Cancer SW40 Cell line. *Asian Pacific Journal of Cancer Prevention: APJCP*. 2021;22(8):2335.
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