



In The Name Of God

CURRICULUM VITAE (CV)

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of Clinical Biochemistry.

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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

Educational Qualification:

- 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 .shiraz-Iran.

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: Zarei S, Reza JZ, Jaliani HZ, Hajizadeh MR, Sargazi S, Hosseinian H. Effects of carfilzomib alone and in combination with cisplatin on the cell death in cisplatin-sensitive and cisplatin-resistant ovarian carcinoma cell lines. *Bratisl Lek Listy*. 2019;120(6):468-475. doi: 10.4149/BLL_2019_075. PubMed PMID: 31223029.

2: Hajizadeh MR, Parvaz N, Barani M, Khoshdel A, Fahmidehkar MA, Mahmoodi M, Torkzadeh-Mahani M. Diosgenin-loaded niosome as an effective phytochemical nanocarrier: physicochemical characterization, loading efficiency, and cytotoxicity assay. *Daru*. 2019 Jun;27(1):329-339. doi: 10.1007/s40199-019-00277-0. Epub 2019 May 27. PubMed PMID: 31134490; PubMed Central PMCID: PMC6592984.

3: Noroozi MK, Mahmoodi M, Jafarzadeh A, Darehkordi A, Hajizadeh MR, Khorramdelazad H, Sayadi AR, Falahati-Pour SK, Hassanshahi G. Indole itself and its novel derivative affect PML cells proliferation via controlling the expression of cell cycle genes. *Cell Mol Biol (Noisy-le-grand)*. 2019 Mar 31;65(3):41-47. PubMed PMID: 30942154.

4: Rezaei A, Mahmoodi M, Mohammadzadeh F, Mohamadi M, Hajizadeh MR, Mirzaei MR, Khanamani Falahati-Pour S. A novel copper (II) complex activated both extrinsic and intrinsic apoptotic pathways in liver cancerous cells. *J Cell Biochem*. 2019 Aug;120(8):12280-12289. doi: 10.1002/jcb.28491. Epub 2019 Feb 21. PubMed PMID: 30793365.

5: Hosseini FS, Noroozi Karimabad M, Hajizadeh MR, Khoshdel A, Khanamani Falahati-Pour S, Mirzaei MR, Mirmohamadi SM, Mahmoodi M. Evaluating of Induction of Apoptosis by *Cornus mass L.* Extract in the Gastric Carcinoma Cell Line (AGS) *Asian Pac J Cancer Prev*. 2019 Jan 25;20(1):123-130. PubMed PMID: 30678391; PubMed Central PMCID: PMC6485578.

6: Niknia S, Kaeidi A, Hajizadeh MR, Mirzaei MR, Khoshdel A, Hajjalizadeh Z, Fahmidehkar MA, Mahmoodi M. Neuroprotective and antihyperalgesic effects of orexin-A in rats with painful diabetic neuropathy. *Neuropeptides*. 2019 Feb;73:34-40. doi: 10.1016/j.npep.2018.11.001. Epub 2018 Nov 8. PubMed PMID: 30447858.

7: Karimabad MN, Mahmoodi M, Jafarzadeh A, Darekordi A, Hajizadeh MR, Hassanshahi G. Molecular Targets, Anti-cancer Properties and Potency of Synthetic Indole-3-carbinol Derivatives. *Mini Rev Med Chem*. 2019;19(7):540-554. doi:10.2174/1389557518666181116120145. Review. PubMed PMID: 30444199.

8: Rezaei A, Khanamani Falahati-Pour S, Mohammadizadeh F, Hajizadeh MR, Mirzaei MR, Khoshdel A, Fahmidehkar MA, Mahmoodi M. Effect of a Copper (II) Complex on The Induction of Apoptosis in Human Hepatocellular Carcinoma Cells. *Asian Pac J Cancer Prev*. 2018 Oct 26;19(10):2877-2884. PubMed PMID: 30362316; PubMed Central PMCID: PMC6291042.

9: Bakhshi Aliabad H, Khanamani Falahati-Pour S, Ahmadirad H, Mohamadi M, Hajizadeh MR, Mahmoodi M. Vanadium complex: an appropriate candidate for killing hepatocellular carcinoma cancerous cells. *Biometals*. 2018 Dec;31(6):981-990. doi: 10.1007/s10534-018-0139-x. Epub 2018 Sep 25. PubMed PMID: 30255365; PubMed Central PMCID: PMC6245096.

10: Azhdari Tafti Z, Mahmoodi M, Hajizadeh MR, Ezzatizadeh V, Baharvand H, Vosough M, Piryaei A. Conditioned Media Derived from Human Adipose Tissue Mesenchymal Stromal Cells Improves Primary Hepatocyte Maintenance. *Cell J*. 2018 Oct;20(3):377-387. doi: 10.22074/cellj.2018.5288. Epub 2018 May 15. PubMed PMID: 29845792; PubMed Central PMCID: PMC6004997.

11: Mohammadizadeh F, Falahati-Pour SK, Rezaei A, Mohamadi M, Hajizadeh MR, Mirzaei MR, Khoshdel A, Fahmidehkar MA, Mahmoodi M. The cytotoxicity effects of a novel Cu complex on MCF-7 human breast cancerous cells. *Biometals*. 2018 Apr;31(2):233-242. doi: 10.1007/s10534-018-0079-5. Epub 2018 Feb 10. PubMed PMID: 29429042.

12: Hakimizadeh E, Shamsizadeh A, Roohbakhsh A, Arababadi MK, Hajizadeh MR, Shariati M, Fatemi I, Moghadam-Ahmadi A, Bazmandegan G, Rezazadeh H, Allahtavakoli M. TRPV1 receptor-mediated expression of Toll-like receptors 2 and 4 following permanent middle cerebral artery occlusion in rats. *Iran J Basic Med Sci*. 2017 Aug;20(8):863-869. doi: 10.22038/IJBMS.2017.9107. PubMed PMID: 29085577; PubMed Central PMCID: PMC5651471.

13: Karimabad MN, Mahmoodi M, Jafarzadeh A, Darekordi A, Hajizadeh MR, Khorramdelazad H, Sayadi AR, Khanamani Falahati-Pour S, Hassanshahi G. Regulatory effects of the novel synthesized Indole-3-carbaldehyde on expression of cell cycle genes: A study on Cyclin D and P21 expression by acute promyelocytic leukemia cell line (NB4). *Cell Mol Biol (Noisy-le-grand)*. 2017 May 20;63(5):60-67. doi: 10.14715/cmb/2017.63.5.12. PubMed PMID: 28719347.

14: Karimabad MN, Mahmoodi M, Jafarzadeh A, Darehkordi A, Hajizadeh MR, Khorramdelazad H, Sayadi AR, Rahmani F, Hassanshahi G. Evaluating of OCT-4 and NANOG was differentially regulated by a new derivative indole in leukemia cell line. *Immunol Lett*. 2017 Oct;190:7-14. doi:10.1016/j.imlet.2017.06.012. Epub 2017 Jul 8. PubMed PMID: 28690187.

15: Karimabad MN, Mahmoodi M, Jafarzadeh A, Darehkordi A, Hajizadeh MR, Khorramdelazad H, Falahati-Pour SK, Hassanshahi G. The novel Indole-3-formaldehyde (2-AITFEI-3-F) is involved in processes of apoptosis induction? *Life Sci*. 2017 Jul 15;181:31-44. doi: 10.1016/j.lfs.2017.05.026. Epub 2017 May 24. PubMed PMID: 28549559.

16: Hosseini FS, Falahati-Pour SK, Hajizadeh MR, Khoshdel A, Mirzaei MR, Ahmadirad H, Behroozi R, Jafari N, Mahmoodi M. Persian shallot, *Allium hirtifolium* Boiss, induced apoptosis in human hepatocellular carcinoma cells. *Cytotechnology*. 2017 Aug;69(4):551-563. doi: 10.1007/s10616-017-0093-4. Epub 2017 Apr 10. PubMed PMID: 28397098; PubMed Central PMCID: PMC5507851.

17: Zamanian M, Hajizadeh MR, Esmaeili Nadimi A, Shamsizadeh A, Allahtavakoli M.

Antifatigue effects of troxerutin on exercise endurance capacity, oxidative stress and matrix metalloproteinase-9 levels in trained male rats. *Fundam Clin Pharmacol.* 2017 Aug;31(4):447-455. doi: 10.1111/fcp.12280. Epub 2017 Apr 4. PubMed PMID: 28214375.

18: Hakimizadeh E, Shamsizadeh A, Roohbakhsh A, Arababadi MK, Hajizadeh MR, Shariati M, Rahmani MR, Allahtavakoli M. Inhibition of transient receptor potential vanilloid-1 confers neuroprotection, reduces tumor necrosis factor-alpha, and increases IL-10 in a rat stroke model. *Fundam Clin Pharmacol.* 2017 Aug;31(4):420-428. doi: 10.1111/fcp.12279. Epub 2017 Mar 23. PubMed PMID:28199737.

19: Fathalizadeh J, Bagheri V, Khorramdelazad H, Kazemi Arababadi M, Jafarzadeh A, Mirzaei MR, Shamsizadeh A, Hajizadeh MR. Induction of apoptosis by pistachio (*Pistacia vera* L.) hull extract and its molecular mechanisms of action in human hepatoma cell line HepG2. *Cell Mol Biol (Noisy-le-grand).* 2015 Nov 30;61(7):128-34. PubMed PMID: 26638894.

20: Hajizadeh MR, Eftekhari E, Zal F, Jafarian A, Mostafavi-Pour Z. Mulberry leaf extract attenuates oxidative stress-mediated testosterone depletion in streptozotocin-induced diabetic rats. *Iran J Med Sci.* 2014 Mar;39(2):123-9. PubMed PMID: 24644381; PubMed Central PMCID: PMC3957011.

21: Hajizadeh MR, Mokarram P, Kamali Sarvestani E, Bolhassani A, Mostafavi Pour Z. Recombinant Nonstructural 3 Protein, rNS3, of Hepatitis C Virus Along With Recombinant GP96 Induce IL-12, TNF α and α 5integrin Expression in Antigen Presenting Cells. *Hepat Mon.* 2013 Jun 3;13(6):e8104. doi: 10.5812/hepatmon.8104. eCollection 2013. PubMed PMID: 24032046; PubMed Central PMCID: PMC3768236.

22: Nazari M, Hajizadeh MR, Mahmoodi M, Mirzaei MR, Hassanshahi G. The regulatory impacts of *Morus Alba* leaf extract on some enzymes involved in glucose metabolism pathways in diabetic rat liver. *Clin Lab.* 2013;59(5-6):497-504. PubMed PMID: 23865347.

23: Mahmoodi M, Islami MR, Asadi Karam GR, Khaksari M, Sahebghadam Lotfi A, Hajizadeh MR, Mirzaei MR. Study of the effects of raw garlic consumption on the level of lipids and other blood biochemical factors in hyperlipidemic individuals. *Pak J Pharm Sci.* 2006 Oct;19(4):295-8. PubMed PMID: 17105707.