

Curriculum Vita

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EDUCATION:

- Shiraz University, Biological Sciences, Shiraz, Iran. B.S. (1990)
- Isfahan University of Medical Sciences, Clinical Biochemistry, Isfahan, Iran. M.Sc. (1995)
- Shiraz University of Medical Sciences, Clinical Biochemistry, Isfahan, Iran. Ph.D. (2003)

Career History:

- 2007 –date Lecturer in Clinical Biochemistry, Dept. of Medical Laboratory Sciences, Faculty of paramedical sciences, Shiraz University of Medical Sciences
- 2003 – 2006 Lecturer in Biochemistry, Department of Biochemistry, Fasa university of Medical Sciences

Recent Publications:

1	Targeted Overexpression of NDRG2 using Survivin Promoter Reduces Viability and Invasiveness of A549 Cell Line, Avicenna Journal of Medical Biotechnology,2023	
2	Combined Effects of Sodium Valproate and Lithium Chloride on Inducing Apoptosis and Inhibiting Invasion of PC3 Cells, Middle East Journal of Cancer,2023	
3	Diagnostic values of ischemia modified albumin in diabetes-related complications: a narrative review, Journal of Diabetes & Metabolic Disorders,2022	
4	<u>Expression of DDB2, XPC, and GADD45 Genes after Whole Body Gamma Irradiation</u> Iranian Journal of Medical Physics,2022	
5	<u>A Review of Laboratory Methods for Measuring Oxidative Stress</u> Journal of Shahid Sadoughi University of Medical Sciences,2022	
6	<u>Serum biomarkers for assessing glycemic control in diabetes mellitus,</u> Laboratory & Diagnosis,2022	
7	<u>Diverse Effect of Vitamin C and N-Acetylcysteine on Aluminum-Induced Eryptosis</u> Zangeneh AR, Takhshid MA , Ranjbaran R, Maleknia M, Meshkibaf MH. Biochem Res Int. 2021 Jan 12;2021:6670656.	
8	<u>Association of vitamin D deficiency with vitamin D binding protein (DBP) and CYP2R1 polymorphisms in Iranian population</u> Meshkibaf M, Mousazadeh S, Maleknia M, Takhshid MA , <u>Meta Gene</u> 27,100824	
9	<u>Adrenomedullin increases cAMP accumulation and BDNF expression in rat DRG and spinal motor neurons</u> Sisakht M, Khoshdel Z, Mahmoodazdeh A, Shafiee SM, Takhshid MA .Iran J Basic Med Sci. 2021 Jul;24(7):978-985.	
10	<u>Association of serum kynurenine/tryptophan ratio with poor glycemic control in patients with type2 diabetes.</u> Abedi S, Vessal M, Asadian F, Takhshid MA .J Diabetes Metab Disord. 2021 Sep 12;20(2):1521-1527.	
11	<u>The hydroalcoholic extract of saffron protects PC12 cells against aluminum-induced cell death and oxidative stress in vitro</u> Rahmani S, Saberzadeh J, Takhshid MA .Iran J Med Sci. 2020 Jan;45(1):59-66.	
12	<u>CRISPR/Cas9-mediated knockout of ml15 enhances apoptotic effect of cisplatin in hela cells In vitro</u> Pirouzfard M, Amiri F, Dianatpour M, Takhshid MA .EXCLI J. 2020 Jan 23;19:170-182.	
13	<u>Adrenomedullin protects rat dorsal root ganglion neurons against doxorubicin-induced toxicity by ameliorating oxidative stress</u> Mahmoodazdeh A, Shafiee SM, Sisakht M, Khoshdel Z, Takhshid MA .Iran J Basic Med Sci. 2020 Sep;23(9):1197-1206	
14	<u>The effects of iron overload, insulin resistance and oxidative stress on metabolic disorders in patients with beta- thalassemia major</u> Setoodeh S, Khorsand M, Takhshid MA . J Diabetes Metab Disord. 2020 Jun 3;19(2):767-774.	
15	<u>Combination of NDRG2 overexpression, X-ray radiation and docetaxel enhances apoptosis and inhibits invasiveness properties of LNCaP cells</u> Alizadeh Zarei M, Rafiei Dehbidi	

	G, Takhshid MA . Urol Oncol. 2020 Nov;38(11):849.e1-849.e9.	
16	<u>The effect of sodium fluoride on aluminum-induced oxidative stress and apoptosis of pc12 in vitro</u> , A Hoorang; J Saberzadeh; F Iranpak; A Mohammadi-Bardbori, M Khorsand, MA Takhshid - Fluoride , 2020, 53(2 Pt 1):276-289	
17	<u>NDRG2 regulates the expression of genes involved in epithelial mesenchymal transition of prostate cancer cells</u> Moradi Monfared M, Alizadeh Zarei M, Rafiei Dehbidi G, Behzad Behbahani A, Arabsolghar R, Takhshid MA .Iran J Med Sci. 2019 Mar;44(2):118-126.	
18	<u>Sodium valproate ameliorates aluminum-induced oxidative stress and apoptosis of PC12 cells</u> Iranpak F, Saberzadeh J, Vessal M, Takhshid MA .Iran J Basic Med Sci. 2019 Nov;22(11):1353-1358.	
19	<u>Erythrocyte glucose-6-phosphate dehydrogenase activity and risk of gestational diabetes</u> Asadi P, Vessal M, Khorsand M, Takhshid MA .J Diabetes Metab Disord. 2019 Nov 27;18(2):533-541	
20	<u>The BDNF Protein and its Cognate mRNAs in the Rat Spinal Cord during Amylin-induced Reversal of Morphine Tolerance</u> Khoshdel Z, Ahmadpour Jirandeh S, Takhshid MA , Jalali Mashayekhi F, Shojaei S, Owji AA.Neuroscience. 2019 Dec 1;422:54-64.	
21	<u>Investigation of the association between 5-hydroxytryptamine transporter gene-linked polymorphic region with type 2 diabetes mellitus, obesity and biochemical profiles of serum in Iranian population</u> Asadzadeh A, Seyedhosseini Ghaheh H, Sholehvar F, Takhshid MA , Naghizadeh MM, Avicenna J Med Biotechnol. 2019 Jul-Sep; 11(3): 239–244.	
22	<u>Serum ischemia modified albumin is a possible new marker of oxidative stress in phenylketonuria</u> Keshavarzi F, Rastegar M, Vessal M, Rafiei Dehbidi G, Khorsand M, Ganjkarimi AH, Takhshid MA .Metab Brain Dis. 2018 Jun;33(3):675-680.	
23	<u>The synergistic effects of celecoxib and sodium valproate on apoptosis and invasiveness behavior of papillary thyroid cancer cell line in-vitro</u> Fanian M, Bahmani M, Mozafari M, Naderi S, Alizadeh Zareie M, Okhovat MA, Saberzadeh J, Dehshahri A, Takhshid MA .Iran J Pharm Res. 2018 Summer;17(3):1008-1017	
24	<u>Effects of two-by-two combination therapy with valproic acid, lithium chloride, and celecoxib on the angiogenesis of the chicken chorioallantoic membrane</u> Afzal E MSc, Alinezhad S PharmD, Khorsand M MSc, Khoshnood MJ PhD, Takhshid MA PhD .Iran J Med Sci. 2018 Sep;43(5):506-513.	
25	<u>Inhibitory effect of Bunium Persicum hydroalcoholic extract on glucose-induced albumin glycation, oxidation, and aggregation in vitro</u> Seri A, Khorsand M, Rezaei Z, Hamed A, Takhshid MA .Iran J Med Sci. 2017 Jul;42(4):369-376.	
26	<u>Expression and purification of TAT-NDRG2 recombinant protein and evaluation of its anti-proliferative effect on LNCaP cell line</u> Farokhinejad F, Behbahani AB, Rafiei Dehbidi GR, Takhshid MA .Protein Expr Purif. 2017 Oct;138:25-33.	
27	<u>The effects of specific expression of apoptin under the control of PSES and PSA promoter on cell death and apoptosis of LNCaP cells</u> Mohammadi V, Behbahani AB, Rafiee GR, Hosseini SY, Zarei MA, Okhovat MA, Takhshid MA .Iran J Basic Med Sci. 2017 Dec;20(12):1354-1359.	
28	<u>Synergistic effects of NDRG2 overexpression and radiotherapy on cell death of human prostate LNCaP cells</u> Alizadeh Zarei M, Takhshid MA , Behzad Behbahani A, Hosseini SY, Okhovat MA,	

	Rafiee Dehbidi GR, Mosleh Shirazi MA. <i>J Biomed Phys Eng.</i> 2017 Sep 1;7(3):257-264.
29	<u>Evaluating radioprotective effect of hesperidin on acute radiation damage in the lung tissue of rats</u> Rezaeyan A, Fardid R, Haddadi GH, Takhshid MA , Hosseinzadeh M, Najafi M, Salajegheh A. <i>J Biomed Phys Eng.</i> 2016 Sep 1;6(3):165-174.
30	<u>Alpha synuclein protein is involved in Aluminum-induced cell death and oxidative stress in PC12 cells</u> Saberzadeh J, Arabsolghar R, Takhshid MA . <i>Brain Res.</i> 2016 Mar 15;1635:153-60.
31	<u>Radiation-induced oxidative stress at out-of-field lung tissues after pelvis irradiation in rats</u> Najafi M, Fardid R, Takhshid MA , Mosleh-Shirazi MA, Rezaeyan AH, Salajegheh A. <i>Cell J.</i> 2016 Fall;18(3):340-5.
32	<u>Effects of intrathecal amylin on formalin-induced nociception and on cAMP accumulation in the rat embryonic spinal cells</u> Khoshdel Z, Takhshid MA , Owji AA. <i>Neuropeptides.</i> 2016 Jun;57:95-100
33	<u>Protective effects of nimodipine and lithium against aluminum-induced cell death and oxidative stress in PC12 cells</u> Saberzadeh J, Omrani M, Takhshid MA . <i>Iran J Basic Med Sci.</i> 2016 Nov;19(11):1251-1257.
34	<u>Chimeric external control to quantify cell free DNA in plasma samples by real time PCR</u> , Eini M, Behzad-Behbahani A, Takhshid MA , Ramezani A, Rafiei Dehbidi GR, Okhovat MA, Farhadi A, Alavi P. <i>Avicenna J Med Biotechnol.</i> 2016 Apr-Jun;8(2):84-90.
35	<u>The association of circulating adiponectin and 45 T/G polymorphism of adiponectin gene with gestational diabetes mellitus in Iranian population</u> Takhshid MA , Haem Z, Aboualizadeh F. <i>J Diabetes Metab Disord.</i> 2015 Apr 16;14:30.
36	<u>Resistin - 420 C/G polymorphism and serum resistin level in Iranian patients with gestational diabetes mellitus</u> Takhshid MA , Zare Z. <i>J Diabetes Metab Disord.</i> 2015 Apr 28;14:37
37	<u>N-myc downstream regulated gene 2 overexpression reduces matrix metalloproteinase-2 and -9 activities and cell invasion of A549 lung cancer cell line in vitro</u> , Faraji SN, Mojtahedi Z, Ghalamfarsa G, Takhshid MA . <i>Iran J Basic Med Sci.</i> 2015 Aug;18(8):773-9
38	<u>The effects of NDRG2 overexpression on cell proliferation and invasiveness of SW48 colorectal cancer cell line</u> , Golestan A MSc, Mojtahedi Z PhD, Ghalamfarsa G PhD, Hamidinia M MSc, Takhshid MA PhD . <i>Iran J Med Sci.</i> 2015 Sep;40(5):430-9.
39	<u>G22A polymorphism of adenosine deaminase and its association with biochemical characteristics of gestational diabetes mellitus in an Iranian population</u> Takhshid MA , Zahediannejad Z, Aboualizadeh F, Moezzi L, Ranjbaran R. <i>Iran J Med Sci.</i> 2015 Mar;40(2):170-4
40	<u>Intrathecal amylin and salmon calcitonin affect formalin induced c-FOS expression in the spinal cord of rats</u> Khoshdel Z, Takhshid MA , Owji AA. <i>Neuropeptides.</i> 2016 Jun;57:95-100.