

In the name of God

"Curriculum Vitae"



Seyed Alireza Mesbah-Namin

Ph.D., Professor in Clinical Biochemistry

Dept. of Clinical Biochemistry, Faculty of Medical Sciences,

Tarbiat Modares University, Tehran, Iran

P.O. Box: 14115- 111, Postal code: 14117-13116

Tel. : +9821-82883570 (Room) / +9821-82884565 (Lab)

Fax: +9821-82883818 (Dept.) / +9821-82884555 (Faculty)

E-mails: mesbahna@modares.ac.ir / mesbahnamin@gmail.com

Date: 2nd July 2025

I. BIOGRAPHICAL INFORMATION

Date of birth: 8 September 1957

Citizenship: Iranian

Place of birth: Tehran, Iran

Marital status: Married

Address at work: Chamran and Jalale Ale-Ahmad cross road- Nasr bridge- Tarbiat Modares University (TMU), Tehran, Iran

Phone at work/office: +9821-82883570,

Phone at lab: +9821-82884565

II. EDUCATIONAL RECORDS:

Ph.D. in Clinical Biochemistry, from **Tarbiat Modares University (TMU)**, Tehran, Iran, 2001

Title of Ph.D. Thesis: Identification of molecular mutations of the Glucose-6-Phosphate Dehydrogenase (G6PD) gene in deficient subjects in Mazandaran province of Iran.

Supervisors: Mohammed Noori-Daloii (Iran) and Tom Vulliamy (UK)

M.Sc. in Clinical Biochemistry, from TMU, Tehran, Iran, 1989.

Title of MSc. Thesis: Isolation of Nerve Growth Factor (NGF) by HPLC from mice submaxillary glands.

Supervisor: Taki Tiraihi (Iran)

BSc. in Chemistry, from Tarbiat Moallem (Kharazmi) University, Tehran, Iran, 1984

III. SABBATICAL LEAVE

On sabbatical leave, Dept. of Molecular Medicine and Max-Planck Research Group for stem cell aging, **Ulm University, Ulm, Germany, 21st July 2010 – 31st Jan 2011.**

(Supported by the Ministry of Science, Research and Technology of Iran and TMU, Tehran, Iran).

IV. EMPLOYMENT HISTORY:

Associate Professor: May 2008 - present

Assistant Professor: March 2002- May 2008

Researcher and Lecturer: March 1996 - March 2002

V. ACADEMIC EXPERIENCES:

Supervisor of research works, 2001 - present

Supervising M.Sc. students who are working on multiple subjects at TMU and Tehran University, Tehran, Iran

Instructor, Teaching and Research Assistant, 1989 - 2001
Tarbiat Modarres University (TMU), Zahedan and Tehran University

Courses: Advanced techniques in Biochemistry, Some aspects of clinical Biochemistry, and Molecular Biology

Lecturer for the **Biosafety training courses** related to **chemical and biological hazards** from **2002 till now** in research laboratories of the faculties of Medical and biological sciences of **Tarbiat Modares University**, Tehran, Iran, and other universities such as Ferdosi University Medical Sciences, Kashan University Medical Sciences, and Azad University Medical Sciences.

VI. MEMBERSHIP OF SCIENTIFIC SOCIETIES:

Member of the Biochemical Society of the Islamic Republic of Iran

Member of the Iranian Genetic Society, Tehran, Iran

Member of the Iranian Society for Biotechnology, Tehran, Iran

Head of the Iranian Society for Trace Element Research (ISTER)

VII. RESEARCH INTERESTS:

My interests could be divided into the **2 main categories**, which are as follows:

- 1- Molecular diagnosis, genetics, and epigenetics investigation on the human diseases**
- 2- Pathogenesis of neurodegenerative diseases- Genetics and epigenetics**

VIII. PUBLICATIONS:

A. Full papers (In English):

1994

1- Totonchi A, Rassaei MJ, Allameh AA, Assadikaram GR, Mesbah-Namin SA. Development of a rapid and sensitive radioimmunoassay for measurement of Aflatoxin B1 in biological samples. *Medical Journal of the Islamic Republic of Iran*, 8(1), 35-41, 1994.

2000

2- Mesbah-Namin SA, Sanati MH, Mowjoodi A, Noori-Daloii MR. Spread of the Glucose-6-phosphate dehydrogenates variant (G6PD-Mediterranean) in one of the coastal provinces of Caspian Sea in Iran. *Medical Journal of Sciences, Islamic Republic of Iran*. 11(4) 285-288, 2000.

2002

3- Mesbah-Namin SA, Sanati MH Mowjoodi A, Mason PJ, Vulliamy TJ, Noori-Dalooi MR. Three major glucose-6-phosphate dehydrogenase polymorphic variants were identified in Mazandaran state of Iran. *British Journal of Hematology*, 117, 1-2, 2002.

2003

4- Clarke JL, Vulliamy TJ, Roper D, Mesbah-Namin SA, Wild BJ, Walker JH, Will AM, Bolton-Maggs PH, Mason PJ, Layton DM. Combined glucose-6-phosphate dehydrogenase and glucose phosphate isomerase deficiency can alter clinical outcomes. *Blood Cells, Molecules and Disease*, 30,258-263, 2003

2004

5- Mohandesan E, Mowla SJ, Hojabri-Noori A, Yaghoobi MM, Mesbah-Namin S A. Extraction and analysis of ancient DNA from human remains of Masjede Kabood burial site. *Iranian J. of Biotechnology*, 2 (4), 236-242, 2004

6- Ghoudarzi BGh, Lotfi A, Mesbah-Namin SA, Zare Mirakabadi A, Bagherian R. Isoelectric focusing and PCR-RFLP joined techniques for Alpha1- antitrypsin deficiency detection. *Archives of Razi Institute*, 58, 39-49, 2004

7- Mesbah-Namin SA, Nemati A, Tiraihi T. Evaluation of DNA damage in leukocytes of G6PD-deficient Iranian newborns (Mediterranean variant) using comet assay. *Mutation Research*, 568, 179–185, 2004

2005

8- Lotfi AS, Mesbah-Namin SA, Goudarzi GHB, Zare Mirakabadi A. Determination of alpha1- antitrypsin phenotypes and genotypes in Iranian patients. *Iranian J. of Biotechnology*, 3 (4), 249-254, 2005

2007

9- Mohammadian Yajloo M, Lotfi AS, Mesbah-Namin SA, Hasannia S, Biglarzadeh M, Ardalan A. Rapid α -1 antitrypsin M-variant genotyping by primer-induced restriction analysis. *Diagnostic Molecular pathology*, 16(1), 54-56, 2007

10- Noori-Dalooi MR, Hajebrahim Z, Najafi L, Mesbah-Namin SA, Mowjoodi A, Mohammad Ganji S, Yekaninejad MS, Sanati MH. A comprehensive study on the major mutations in glucose-6-phosphate dehydrogenase-deficient polymorphic variants identified in the coastal provinces of the Caspian Sea in the north of Iran. *Clinical Biochemistry*, 40, 699–704, 2007

11- Hakhamaneshi MS, Mesbah-Namin SA, Houshmand M, Lotfi AS, Alteration in antioxidant capacity in patients with chronic obstructive pulmonary disease. *Tanaffos*, 6(4), 13-17, 2007

2008

12- Movaghar B, Tiraih Ti, Mesbah-Namin SA. Transdifferentiation of bone marrow stromal cells into schwann cell phenotype using progesterone as inducer. [Brain Research, 1208, 17-24, 2008](#)

2009

13- Naghdi M, Tiraihi T, Mesbah-Namin SA, Arabkheradmand J. Transdifferentiation of bone marrow stromal cells into cholinergic neuronal phenotype: a potential source for cell therapy in spinal cord injury. [Cytotherapy, 11, 137-152, 2009.](#)

14- Naghdi M, Tiraihi T, Mesbah-Namin SA, Arabkheradmand J. Induction of bone marrow stromal cells into cholinergic-like cells by nerve growth factor. [Iranian Biomedical J. 13 \(2\):117-23. 2009](#)

15- Yavari K, Taghikhani M, Maragheh MG, Mesbah-Namin SA, Babaei MH. Knockdown of IGF-1R by RNAi inhibits SW480 colon cancer cells growth in vitro. [Archives of Medical Research. 40\(4\): 235-40, 2009.](#)

2010

16- Ghorbanian MT, Tiraihi T, Mesbah-Namin SA, Fathollahi Y. Selegiline is an efficient and potent inducer for bone marrow stromal cell differentiation into neuronal phenotype. [Neurological Research . 32 \(2\):185-93. 2010](#)

17- Yavari K, Taghikhani M, Maragheh MG, Mesbah-Namin SA, Babaei MH, Arfaee AJ, Madani H, Mirzaei HR. SiRNA-mediated IGF-1R inhibition sensitizes human colon cancer SW480 cells to radiation. [Acta Oncologica. 49\(1\):70-5. 2010](#)

18- Yavari K, Taghikhani M, Ghannadi Maragheh M, Mesbah-Namin SA, Babaei MH. Downregulation of IGF-1R expression by RNAi inhibits proliferation and enhances chemosensitization of human colon cancer cells. [International J. of Colorectal Disease . 25 \(1\) :9-16. 2010](#)

19- Daneshpour MS, Zarkesh M, Hedayati M, Mesbah-Namin SA, Halalkhor S, Faam B, Azizi F. The G360T polymorphism in the APO AIV gene and its association with combined HDL/LDL-cholesterol phenotype: Tehran Lipid and glucose study. [International Journal of endocrinology and Metabolism 1: 32-38, 2010](#)

2011

20 - Halalkhor S, Mesbah-Namin SA, Daneshpour MS, Hedayati M, Azizi F. Association of ATP-binding cassette transporter-A1 polymorphism with apolipoprotein AI level in Tehranian population. [Journal of Genetics. 90\(1\):129-32, 2011.](#)

2012

21- Daneshpour MS, Faam B, Mansournia MA, Hedayati M, Halalkhor S, Mesbah-Namin SA, Shojaei S, Zarkesh M, Azizi F. Haplotype analysis of Apo AI-CIII-AIV gene cluster and lipids level: Tehran lipid and glucose study. [Endocrine. 41\(1\):103-10, 2012.](#)

22- Faezizadeh Z, **Mesbah-Namin SA**, Allameh A. **The effect of silymarin on telomerase activity in the human leukemia cell line k562.** *Planta Med.* 78(9):899-902, 2012

23- Mohammad-Gharibani P, Tiraihi T, **Mesbah-Namin SA**, Arabkheradmand J, Kazemi H. **Induction of bone marrow stromal cells into GABAergic neuronal phenotype using creatine as inducer.** *Restorative Neurology and Neuroscience.* 30(6):511-25, 2012. doi: 10.3233/RNN-2012-100155.

2013

24- Gharib A, Faezizadeh Z, **Mesbah-Namin SA**. **In vitro and in vivo antibacterial activities of cyanidinium chloride-loaded liposomes against a resistant strain of Pseudomonas aeruginosa.** *Planta Medica*, 79(1):15-9, 2013

25- Zahednasab H, Balood M, **Mesbah-Namin SA**. **Comment on "matrix metalloproteinase-7 and matrix metalloproteinase-9 in pediatric multiple sclerosis".** *Pediatric Neurology*, 48(3):255, 2013

26- Zahednasab H, **Mesbah-Namin SA**, Sahraian MA, Balood M, Doosti R. **Relationship between NF- κ B1 -94 ins/del ATG polymorphism and susceptibility of multiple sclerosis in Iranian MS patients.** *Neuroscience Letters*, 545: 46-49, 2013.

27- Naghdi M, Tiraihi T, **Mesbah-Namin SA**, Arabkharadmand J, Kazemi H, Taheri T. **Improvement of Contused Spinal Cord in Rats by Cholinergic-like Neuron Therapy.** *Iran Red Crescent Medical Journal*, 15(2):127-35, 2013

28- Siroos B, Balood M, Zahednasab H, **Mesbah-Namin SA**, Pourgholy F, Harirchian MH. **Secretory Phospholipase A2 activity in serum and cerebrospinal fluid of patients with relapsing-remitting multiple sclerosis.** *J Neuroimmunol.* 262(1-2):125-7, 2013

2014

29- Fathi E, **Mesbah-Namin SA**, Farahzadi R. **Biomarkers in Medicine: An Overview.** *British Journal of Medicine & Medical Research.* 4(8): 1701-1718, 2014

30- Balood M, **Mesbah-Namin SA**, Sanati MH, Zahednasab H, Sahraian MA, Ataei M. **Inhibitor I κ B α promoter functional polymorphisms in patients with multiple sclerosis.** *Mol Biol Rep.* 41(2):613-6, 2014

31- Noori-Zadeh A, **Mesbah-Namin SA**, Tiraihi T, Rajabibazl M, Taheri T. **Non-viral human proGDNF gene delivery to rat bone marrow stromal cells under ex vivo conditions.** *J Neurol Sci.* 339(1-2):81-6. 2014

32- Balood M, Zahednasab H, Siroos B, **Mesbah-Namin SA**, Torbati S, Harirchian MH. **Elevated serum levels of lysophosphatidic acid in patients with multiple sclerosis.** *Hum Immunol.* 75(5):411-3, 2014

33- Gharib A, Faezizadeh Z, **Mesbah-Namin SA**, Saravani R. **Preparation, characterization and in vitro efficacy of magnetic nanoliposomes containing the artemisinin and transferrin.** *Daru.* 22:44, 2014 , doi: 10.1186/2008-2231-22-44.

34- Zahednasab H, Balood M, Harirchian MH, Mesbah-Namin SA, Rahimian N, Siroos B. **Increased autotaxin activity in multiple sclerosis.** *J Neuroimmunol.* **273(1-2):120-3, 2014.** doi: 10.1016/j.jneuroim.2014.06.006.

35- Mesbah-Namin SA, Gunes C. Analysis of expression levels of E2F transcription factors in lineage negative hematopoietic stem cells of young and old mice. *Molecular and Biochemical diagnosis.* **1 (1), 35-40, 2014**

36- Darvishi M, Tiraihi T, Mesbah-Namin SA, Delshad A, Taheri T. **Decreased GFAP Expression and Improved Functional Recovery in Contused Spinal Cord of Rats Following Valproic Acid Therapy .***Neurochem Res.* **39(12):2319-33, 2014.** doi: 10.1007/s11064-014-1429-5

37- Abedian Z, Khosravi AR, Mesbah AR, Abedian F. **Investigation of Trichophyton verrucosum proteins by sodium dodecyl sulfate polyacrylamide gel electrophoresis (SDS-PAGE).** *Bulgarian Chemical Communications,* **46(2), 431 – 434, 2014**

38- Shirali S, Mesbah-Namin A, Zahiri H, Khodadi E, Mirtorabi S. **Non-invasive Fetal Sex Determination using Nested PCR of Free Fetal DNA in Maternal Plasma.** *Journal of Academic and Applied Studies,* **4(9): 22-30, 2014**

2015

39- Zahednasab H, Mesbah-Namin SA, Balood M. **Coenzyme Q10 supplementation and multiple sclerosis.** *Nutr Neurosci.* **18(4):192, 2015.** doi: 10.1179/1476830514Y.0000000126

40- Deyhim MR, Mesbah-Namin SA, Yari F, Taghikhani M, Amirizadeh N. **L-carnitine effectively improves the metabolism and quality of platelet concentrates during storage.** *Ann Hematol.* **94(4):671-80, 2015.** doi: 10.1007/s00277-014-2243-5.

41- Nazemi L, Skoog I, Karlsson I, Hosseini S, Mohammadi MR, Hosseini M, Hosseinzade MJ, Mesbah-Namin SA, Baikpour M. **Malnutrition, Prevalence and Relation to Some Risk Factors among Elderly Residents of Nursing Homes in Tehran, Iran.** *Iran J Public Health.* **44(2):218-27, 2015.**

42- Rezaei M, Dadgar Z, Noori-Zadeh A, Mesbah-Namin SA, Pakzad I, Davodian E. **Evaluation of the antibacterial activity of the Althaea officinalis L. leaf extract and its wound healing potency in the rat model of excision wound creation.** *Avicenna J Phytomed.* **5(2):105-12, 2015.**

43- Gharib A, Faezizadeh Z, Mesbah-Namin SA, Saravani R. **Experimental treatment of breast cancer-bearing BALB/c mice by artemisinin and transferrin-loaded magnetic nanoliposomes.** *Pharmacogn Mag. (Suppl 1):S117-22, 2015.* doi: 10.4103/0973-1296.157710.

44- Mokari-Zadeh N, Mesbah-Namin SA. **Evaluation of an Improved Non-invasive Fetal Sex Determination in Haemophilia A Patients.** *J Clin Diagn Res.* **9(7):GC01-4, 2015.** doi: 10.7860/JCDR/2015/12556.6175.

2016

45- Noori-Zadeh A, Mesbah-Namin SA, Bistoon-Beigloo S, Bakhtiyari S, Abbaszadeh HA, Darabi S, Rajabibazl M, Abdanipour A. **Regulatory T cell number in multiple sclerosis patients: A meta-analysis.** *Mult Scler Relat Disord.* **5:73-6, 2016.** doi: 10.1016/j.msard.2015.11.004.

46- Aminizadeh N, Tiraihi T, **Mesbah-Namin SA**, Taheri T. Stimulation of cell proliferation by glutathione monoethyl ester in aged bone marrow stromal cells is associated with the assistance of TERT gene expression and telomerase activity. *In Vitro Cell Dev Biol Anim.* 52(7):772-81, 2016. doi: 10.1007/s11626-016-0021-5.

47- Farahzadi R, **Mesbah-Namin SA**, Zarghami N, Fathi E. L-carnitine Effectively Induces hTERT Gene Expression of Human Adipose Tissue-derived Mesenchymal Stem Cells Obtained from the Aged Subjects. *Int J Stem Cells.* 30;9(1):107-14, 2016. doi: 10.15283/ijsc.2016.9.1.107.

Y8 - Absalan A, **Mesbah-Namin SA**, Tiraihi T, Taheri T. The effects of cinnamaldehyde and eugenol on human adipose-derived mesenchymal stem cells viability, growth and differentiation: a cheminformatics and in vitro study. *Avicenna J Phytomed.* 2016 Nov-Dec;6(6):643-657.

2017

Y9 - Absalan A, **Mesbah-Namin SA**, Tiraihi T, Taheri T. Cinnamaldehyde and eugenol change the expression folds of AKT1 and DKC1 genes and decrease the telomere length of human adipose-derived stem cells (hASCs): An experimental and in silico study. *Iran J Basic Med Sci.* 2017 Mar;20(3):316-326

50- Darvishi M, Tiraihi T, **Mesbah-Namin SA**, Delshad A, Taheri T. Motor Neuron Transdifferentiation of Neural Stem Cell from Adipose-Derived Stem Cell Characterized by Differential Gene Expression. *Cell Mol Neurobiol.* 2017 Mar;37(2):275-289.

Δ1- Noori-Zadeh A, **Mesbah-Namin SA**, Saboor-Yaraghi AA. Epigenetic and gene expression alterations of FOXP3 in the T cells of EAE mouse model of multiple sclerosis. *J Neurol Sci.* 2017 Apr 15;375:203-208.

Δ2- **Mesbah-Namin SA**, Shahidi M, Nakhshab M. An Increased Genotoxic Risk in Lymphocytes from Phototherapy-Treated Hyperbilirubinemic Neonates. *Iran Biomed J.* 2017 May; 21(3): 182-189

Δ3- Abdanipour A, Noori-Zadeh A, **Mesbah-Namin SA**, Bakhtiyari S, Nejatbakhsh R, Anarkooli IJ. Di-(2-ethylhexyl) Phthalate-Induced Hippocampus-Derived Neural Stem Cells Proliferation. *Cell J.* 2017 Apr-Jun;19(1):166-172

54- Bagheri-Hosseiniabadi Z, Salehinejad P, **Mesbah-Namin SA**. Differentiation of human adipose-derived stem cells into cardiomyocyte-like cells in fibrin scaffold by a histone deacetylase inhibitor. *Biomed Eng Online.* 2017 Nov 23; 16(1):134. doi: 10.1186/s12938-017-0423-y.

2018

55- Aminizadeh N, Tiraihi T, **Mesbah-Namin SA**, Taheri T. A Comparative Study of the Effects of Sodium Selenite and Glutathione Mono Ethyl Ester on Aged Adipose-Derived Stem Cells: The Telomerase and Cellular Responses. *Rejuvenation Res.* 2018 Feb;21(1):29-36. doi: 10.1089/rej.2017. 1961.

56- Bagheri-Hosseiniabadi Z, **Mesbah-Namin SA**, Salehinejad P, Seyedi F. Fibrin scaffold could promote survival of the human adipose-derived stem cells during differentiation into cardiomyocyte-like cells. *Cell Tissue Res.* 2018 Jun;372(3):571-589. doi: 10.1007/s00441-018-2799-9.

57- Mousavi SH, **Mesbah-Namin SA**, Rezaie N, Zeinali S. **Frequencies of intron 1 and 22 inversions of factor VIII gene: A first report in Afghan patients with severe haemophilia A. Haemophilia.** 2018 May; 24(3): e157-e160. doi: 10.1111/hae. 13491.

58- Abedi M, **Mesbah-Namin SA**, Noori-Zadeh A, Tiraihi T, Taheri T. **Human wild-type superoxide dismutase 1 gene delivery to rat bone marrow stromal cells: its importance and potential future trends.** *Iran J Basic Med Sci.* 2018 Jul; 21(7):688-694. doi: 10.22038/IJBMS. 2018.27721.6879.

59- Farahzadi R, Fathi E, **Mesbah-Namin SA**, Zarghami N. **Anti-aging protective effect of L-carnitine as clinical agent in regenerative medicine through increasing telomerase activity and change in the hTERT promoter CpG island methylation status of adipose tissue-derived mesenchymal stem cells.** *Tissue Cell.* 2018 Oct; 54:105-113. doi: 10.1016/j.tice.2018.08.012.

60- Mousavi SH, **Mesbah-Namin SA**, Rezaie N, Jazebi M, Zeinali S. **Prevalence of factor VIII inhibitors among Afghan patients with hemophilia A: a first report.** *Blood Coagul Fibrinolysis.* 2018 Dec;29(8):697-700. doi: 10.1097/MBC.0000000000000780.

2019

61- Rahimi P, Abedimanesh S, **Mesbah-Namin SA**, Ostadrahimi A. Betalains, the nature-inspired pigments, in health and diseases. *Crit Rev Food Sci Nutr.* 2019, VOL. 59, NO. 18, 2949–2978. <https://doi.org/10.1080/10408398.2018.1479830>

62- Rahimi P, **Mesbah-Namin SA**, Ostadrahimi A, Abedimanesh S, Separham A, Asghary Jafarabadi M. Effects of betalains on atherogenic risk factors in patients with atherosclerotic cardiovascular disease. *Food Funct.* 2019 Dec 11;10(12):8286-8297. doi: 10.1039/c9fo02020a.

63- Rahimi P, **Mesbah-Namin SA**, Ostadrahimi A, Separham A, Asghary Jafarabadi M. Betalain- and betacyanin-rich supplements' impacts on the PBMC SIRT1 and LOX1 genes expression and Sirtuin-1 protein levels in coronary artery disease patients: A pilot crossover clinical trial. *Journal of Functional Foods.* 2019; 6: 103401

64- Mousavi SH, Dayer MS, Pourhaji F, Delshad MH, **Mesbah-Namin SA**. Determinants of Quality of Life in Children and Adolescents With Hemophilia in Kabul, Afghanistan: First Report. *Arch Iran Med.* 2019 Jul 1;22(7):384-389.

65- Emami Z, **Mesbah Namin A**, Kojuri J, Mashayekhi Jalali F, Rasti M. Expression and Activity of Platelet Endothelial Nitric Oxide Synthase Are Decreased in Patients with Coronary Thrombosis and Stenosis. *Avicenna J Med Biotechnol.* 2019 Jan-Mar;11(1):88-93.

66- Allameh A, Moazeni-Roodi A, Harirchi I, Ravanshad M, Motiee-Langroudi M, Garajei A, Hamidavi A, **Mesbah-Namin SA**. [Promoter DNA Methylation and mRNA Expression Level of p16 Gene in Oral Squamous Cell Carcinoma: Correlation with Clinicopathological Characteristics.](#) *Pathol Oncol Res.* 2019 Oct;25(4):1535-1543. doi: 10.1007/s12253-018-0542-1

67- Zamani S, Zavaran Hoseini A, **Mesbah-Namin A**. [Glucose-6-phosphate dehydrogenase \(G6PD\) activity can modulate macrophage response to Leishmania major infection.](#) *International Immunopharmacology.* 2019; 69:178–183

2020

68- Mousavi SH, Zeinali S, **Mesbah-Namin SA**, Shams M, Dorgalaleh A. [Factor XIII Deficiency in Western Afghanistan due to a Novel F13A Gene Mutation](#). Int J Lab Hematol. **2020** Feb;42(1):e1-e3. doi: 10.1111/ijlh.13050. Epub 2019 May 28.

69- Saheli M, Pirhajati Mahabadi V, **Mesbah-Namin SA**, Seifalian A, Bagheri-Hosseiniabadi Z. [DNA methyltransferase inhibitor 5-azacytidine in high dose promotes ultrastructural maturation of cardiomyocyte](#). Stem Cell Investig. **2020** Dec 15;7:22. doi: 10.21037/sci-2020-007. eCollection 2020.

70- Deyhim MR, Yari F, **Mesbah-Namin SA**, Khoshnaghsh F. [Protective effect of L-carnitine on platelet apoptosis during storage of platelet concentrate](#). Transfus Clin Biol. **2020** Aug;27(3):139-146. doi: 10.1016/j.traccli.2020.06.002. Epub 2020 Jun 13.

71- Mousavi SH, **Mesbah-Namin SA**, Zeinali S, Jazebi M, Dabbagh A, Hosseini SMR, Zafarghandi Motlagh F, Shiravand Y, Dorgalaleh A. [A large deletion, spanning exons 1 to 25 of F8 gene, and a high-titer factor VIII inhibitor, in severe hemophilia A](#). Int J Lab Hematol. **2020** Jun;42(3):e138-e140. doi: 10.1111/ijlh.13174. Epub 2020 Mar 3

72- Oraei M, Bitarafan S, **Mesbah-Namin SA**, Noori-Zadeh A, Mansouri F, Parastouei K, Anissian A, Yekaninejad MS, Hajizadeh M, Saboor-Yaraghi AA. [Immunomodulatory Effects of Calcitriol through DNA Methylation Alteration of FOXP3 in the CD4+ T Cells of Mice](#). Iran J Allergy Asthma Immunol. **2020** Oct 18;19(5):509-516. doi: 10.18502/ijaai.v19i5.4466.

73 - Mosavimehr M. **Mesbah-Namin SA**. [Mitochondrial Dysfunction in EAE Mice Brains and Impact of HIF1- \$\alpha\$ Induction to Compensate Energy Loss](#). Arch Neurosci. **2020** October; 7(4): e104209.

2021

74- Norouzi M, **Mesbah-Namin SA**, Deyhim MR. [Analysis of changes in the expression pattern of miR-326 and miR-145 during storage of platelet concentrate in blood bank condition and its relationship with some markers of platelet quality](#). Journal of Thrombosis and Thrombolysis. 2021; (): 1-7 (in press). DOI: 10.1007/s11239-021-02467-7

75- Mohammadi P, **Mesbah-Namin SA**, Movahedin M. [Attenuation of aquaporin-3 may be contributing to low sperm motility and is associated with activated caspase-3 in asthenozoospermic individuals](#). Andrologia. 2021;00: e14119. <https://doi.org/10.1111/and.14119>

2022

76- Deemeh MR, **Mesbah-Namin SA**, Movahedin M. [Selecting motile, non-apoptotic and induced spermatozoa for capacitation without centrifuging by MACS-Up method](#). Andrologia. 2022;54: e14405. <https://doi.org/10.1111/and.14405>

77- Fathi E, **Mesbah-Namin SA**, Vietor I, Farahzadi R. [Mesenchymal stem cells cause induction of granulocyte differentiation of rat bone marrow C-kit+ hematopoietic stem cells through JAK3/STAT3, ERK, and PI3K signaling pathways](#). Iran J Basic Med Sci 2022; 25: 1222-1227. DOI:org/10.22038/IJBMS.2022.66737.14633

78- Danesh H, Ziamajidi N, **Mesbah-Namin SA**, Nafisi N, Abbasalipourkabir R. [Association between Oxidative Stress Parameters and Hematological Indices in Breast Cancer Patients](#). International Journal of Breast Cancer. 2022, Article ID 1459410, 8 pages. doi.org/10.1155/2022/1459410

79- Nezhadali M, **Mesbah Namin SA**, Hedayati M, Akbarzadeh M, Najd Hassan Bonab L, Daneshpour MS. [Serum adiponectin and cortisol levels are not affected by studied ADIPOQ gene variants: Tehran lipid and glucose study](#) . BMC Endocrine Disorders. 2022; 22:104 <https://doi.org/10.1186/s12902-022-01020-8>

2023

80- Hosseini SMR, Mousavi SH, Mesbah-Namin SA, Tabibian S, Dorgalaleh A. [Health-related quality of life in persons with haemophilia in Afghanistan](#). Haemophilia. 2023; 29:770-775. <https://doi.org/10.1111/hae.14772>

81- Farahzadi R , Fathi E, **Mesbah-Namin SA**, Vietor I. [Granulocyte differentiation of rat bone marrow resident C-kit+ hematopoietic stem cells induced by mesenchymal stem cells could be considered as new option in cell-based therapy](#). Regenerative Therapy. 2023;23: 94-101. <https://doi.org/10.1016/j.reth.2023.04.004>

82- Barartabar Z, Moini N, Abbasalipourkabir R, **Mesbah Namin SA**, Ziamajidi N. [Assessment of Tissue Oxidative Stress, Antioxidant Parameters, and Zinc and Copper Levels in Patients with Breast Cancer](#). Biological Trace Element Research. 2023; 201: 3233-3244. <https://doi.org/10.1007/s12011-022-03439-5>

83- Barartabar Z, Moini N, Abbasalipourkabir R, **Mesbah Namin SA**, Ziamajidi N. Investigation of miR-133a, miR-637 and miR-944 genes expression and their relationship with PI3K/AKT signaling in women with breast cancer. Journal of Cancer Research and Clinical Oncology.2023;149:6115–6129. <https://doi.org/10.1007/s00432-023-04583-8>

84- Robat-Jazi B, Oraei M, Bitarafan S, **Mesbah Namin SA**, Noori-Zadeh A, Mansouri F, Parastouei K, Anissian A, Yekaninejad MS, Saboor-Yaraghi AA. Immunomodulatory Effect of Calcitriol on Experimental Autoimmune Encephalomyelitis Mice, A Multiple Sclerosis Animal Model. Iran J Allergy Asthma Immunol 2023; 22(5):452-467. DOI: [10.18502/ijaai.v22i5.13995](https://doi.org/10.18502/ijaai.v22i5.13995)

2024

85- Norouzi M, **Mesbah Namin SA**, Sharifi Z, Deyhim MR. L-carnitine contributes to enhancement of viability and quality of platelet concentrates through changing the apoptotic and anti-apoptotic associated microRNAs. Transfusion clinique et biologique. 2024; 31: 87-94. <https://doi.org/10.1016/j.tracli.2024.01.007>

2025

86- Tajadini M, **Mesbah Namin SA**, Moshaii A, Rasaei MJ. Evaluating the efficacy of specific aptamers for post-translational modified hemoglobin A by developing a lateral flow assay based on fluorescent carbon dot signals and smartphone-based read-out with quantification application software Microchemical journal. 2025;208:112396. <https://doi.org/10.1016/j.microc.2024.112396>

87- Nafari A, Sahebghadam Lotf A, **Mesbah Namin SA**. The role of miR-30b-3p and miR-3162-3p in the progression and regression of hepatic fibrosis: insights from experimental and bioinformatics analyses. Comparative Clinical Pathology. 2025; 34:9–20. [Doi.org/10.1007/s00580-024-03620-3](https://doi.org/10.1007/s00580-024-03620-3)

88- Mosaddeghi P, **Mesbah Namin SA**, Javan M. Evaluating the Protective Effects of Silymarin Along with a Cholesterol-Supplemented Diet Against Demyelination in an EAE Mouse Model of Multiple Sclerosis: Lipidomic and Inflammatory Aspects. *Molecular Neurobiology*. 2025; published online. <https://doi.org/10.1007/s12035-025-04903-8>

B. Full papers (in Persian):

2000

1- Sammak H, Haji Fathali A, **Mesbah-Namin SA**. Investigation of lipids and lipoprotein cholesterol levels in patients with Acute Lymphoblastic Leukemia. *Pejouhesh, Journal of the faculty of Medicine, Shahid Beheshti University*, 24 (1), 7-14, 2000.

2001

2- Lotfi A, Hakhamaneshi MS, Yadegari MH, **Mesbah-Namin SA**. Optimization of glucose oxidase production by *Aspergillus Niger*. *Pajouhesh-va-Sazandegi in animal sciences*. 51, (6-7) 2001

2002

3- Lotfi A, Hakhamaneshi MS, Yadegari MH, **Mesbah-Namin SA**. Production, purification and determination of some physiochemical properties of D-glucose oxidase from *Aspergillus Niger*. *Modarres, Journal of Medical Sciences. TMU*, 5 (1), 65-74, 2002

2004

4- Soleimani E, **Mesbah-Namin SA**, Asilian H, Soleimanian A. Evaluation of occupational exposure to nickel compound in abig electroplating workshop in west of Tehran. *Daneshvar Medicine, Scientific –Research J. of Shahid University*, 53, 13-20, 2004

2005

5- **Mesbah-Namin SA**, Kavianpour A, Mowla SJ, Tiraihi T. Sex determination of human fetus using nested-PCR. *Yakhteh Medical J.*, 6(24), 202- 205 , 2005

6- Lotfi AS, Mohammadian Yajloo SA, **Mesbah-Namin SA**, Hasannia S. Beiglarzadeh Goodarzi B. The frequency of the alpha-1-antitrypsin M1, M2, M3, S and Z variants in Iranian population. *J. of Rafsanjan University of Medical Sciences and Health Services*, 4(1), 25-39, 2005

2006

7- Rahmdani F, **Mesbah-Namin SA**, Tarihi T. Non-invasive fetal RHD genotyping by hemi-nested PCR of maternal serum in RHD-negative pregnancies. *Blood, The scientific Journal of Iranian Blood Transfusion Organization-Research Center*, 3 (2), 93-100, 2006

8- Zamani-Taghizadeh S, Zavarani Hoseini A, **Mesbah-Namin SA**. The role of 6-Aminonicotinamide in the resistance of peritoneal macrophages against Leishmania major infection in BALB/C mouse. **Tehran University Medical L**. 64(9), 10-18, 2006

2007

9-Ghorbanian MT, Tiraihi T, **Mesbah-Namin SA**, Fathollahi Y. Induction effect of deprenyl on transdifferentiation of BMSCs into neuron and glial-like cells in vitro. **Yakhteh Medical J**, 9(1), 15-22, 2007

10- Najjar Sadeghi R, **Mesbah-Namin SA**, Rastgar-Jazi F. Methylation status of p15 gene in esophageal squamous cell carcinoma using methylation-specific PCR. **Yakhteh Medical J**, 9(1), 39-44, 2007

11- Zamani Taghizadeh Rabe Sh, Zavarani Hosseini A, **Mesbah Namin SA**. The Role of Dehydroepiandrosterone on Leishmania Major Replication in BALB/c Peritoneal Macrophages. **Kowsar Medical J**, 12 (3), 219-228, 2007

12- Hakhamaneshi MS, **Mesbah-Namin SA**, Houshmand M. Sahebghadam Lotfi A., Assessment of cytochrome C oxidase activity in white blood cells of patients with chronic obstructive pulmonary disease. **Journal of Babol university of medical sciences**, 10 (1), 14-19, 2007.

2008

13-Ghorbanian MT, Tiraihi T, **Mesbah-Namin SA**, Fathollahi Y. Immunohistochemical study on the inductive effects of Deprenyl on differentiation of BMSCs into dopaminergic neurons. **Daneshvar Medicine, Scientific, Research J. of Shahid University**, 14(73), 27-36, 2008

14- Movaghar B, Tiraihi T, **Mesbah-Namin SA**. Comprison between the effect of forskolin as an inducer with the effect of beta-mercaptoethanol and retinoic acid in transdifferentiation of BMSCs into Schwann cells. **Daneshvar Medicine, Scientific, Research J. of Shahid University**, 15(75), 79-86, 2008

15- Skandari A, Yadegari MH, **Mesbah-Namin SA**. Identification of important pathogenic yeast candida species in acute candidiasis using PCR. **Kowsar Medical J**, 13 (2), 154-124, 2008

2012

16- Faeizadeh Z, **Mesbah-Namin SA**, Gharib A, Saravani R, Godarzi M. Evaluating the effect of lycopene on telomerase activity in the human leukemia cell line K562, **Feyz, Journal of Kashan University of Medical Sciences**. 16 (5): 398- 405, 2012

2016

17- Aminizadeh N, Tiraihi T, **Mesbah-Namin SA**, Taheri T. An in vitro study of the effect of sodium selenite on telomere length and telomerase activity of bone marrow stromal cells in aged rats. **Scientific Journal of Kurdistan University of Medical Sciences**. 21(3): 2016

IX. REFEREES

1- S. Lotfi A., Ph.D., Professor

Dept. of Biochemistry, School of Medical Sciences, TMU,

P.O.Box: 14155- 331, Tehran, IRAN

Tel: +98 21 82884890

Fax: +98 21 82883818

Email: lotfi-ab@modares.ac.ir

2- Allameh A., Ph.D., Professor

Dept. of Biochemistry, School of Medical Sciences, TMU,

P.O.Box: 14155- 331, Tehran, IRAN

Tel: +98 21 82883877

Fax: +98 21 82883818

Email: allameha@modares.ac.ir

P.O.Box: 14155- 331, Tehran, IRAN

Tel: +98 21 82884890

Fax: +98 21 82883818

Email: lotfi-ab@modares.ac.ir