



**CURRICULUM VITAE**  
**Jamshid Karimi, Ph.D**

25 Apr 2025

❖ **Personal Background:**

*Name:* **Jamshid Karimi**

*Date of Birth:* **4 May 1971**

*Nationality:* **Iranian**

*Sex:* **Male**

*Marital Status:* **Marid (two child)**

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❖ **Current Position:**

- Associate Professor in Clinical Biochemistry
- Deputy Dean of Basic Sciences and Postgraduate Studies

❖ **Education:**

- **PhD.** in Clinical Biochemistry, Hamadan University of Medical Science, Hamadan, Iran. (2006-2011)
- **M.Sc.** in Clinical Biochemistry, Isfahan University of Medical Sciences, Isfahan, Iran (1995-1998).
- **B.Sc.** in Cellular and Molecular Biology, University of Tehran, Tehran, Iran (1991-1995).

❖ **Thesis:**

- Study of receptor for advanced glycation end products(RAGE) level and their relation to DNA fragmentation in semen in diabetes (Ph.D thesis)

❖ **Activity & Teaching:**

- Biochemistry for medical, paramedical and postgraduate students (MSc, PhD)
- Supervisor and Advisor of postgraduate thesis (MSc, PhD)

❖ **Publication:**

**A. Papers**

1. **J. Karimi**, M.T. Goodarzi, H. Tavailani, I.Khodadadi, I. Amiri; "Increased receptor for advanced glycation end products in sperm of diabetic men and its association with sperm nuclear DNA fragmentation". *Andrologia*. 2012, 44 : 280-6

2. **J. Karimi**, M.T. Goodarzi, H. Tavilani, I. Khodadadi, I. Amiri; "Relationship between advanced glycation end products and increased lipid peroxidation in semen of diabetic men." *Diabetes Research and Clinical Practice* , 2011, 91: 61-66
3. I. Amiri, **J. Karimi\*(correspondence)**, H. Piri, M.T. Goodarzi, H. Tavilani, I. Khodadadi, M. Ghorbani; "Association between nitric oxide and 8-hydroxydeoxyguanosine levels in semen of diabetic men". *Systems Biology in Reproductive medicine*, 2011, 57: 292-5
4. H. Tavilani, E. Nadi, **J. Karimi**, M.T. Goodarzi; " Oxidative stress in COPD patients, smoker and non smoker subjects". *Respiratory Care*, 2012, 57 (12), 2090-2094
5. H. Piri, B. Kazemi M. Rezaei, M. Bandehpour, , I. Khodadadi, T. Hassanzadeh, **J. Karimi**, F. Yarian, A. Koochaki, H. Peirovi, A.H. Tavakoli, A. Torabi, , M.T. Goodarzi; " Construction of plasmid insulin gene vector containing the metallothionein IIA and carbohydrate response element and its expression in NIH3T3 cell line". *International Journal of Endocrinology and Metabolism*, 2012,
6. TH Fleming, TM Theilen, J Masania, M Wunderle, **J Karimi**, S Vittas, "Aging-Dependent Reduction in Glyoxalase 1 Delays Wound Healing" *Gerontology*, 2013; 59 (5), 427-43
7. **J Karimi**, A Ranjbar, H Tavilani, „Hepatoprotective Effects of Pentoxifylline against Acrolein-Induced Mitochondrial Dysfunction in Rat Liver“ *Journal of Reports in Pharmaceutical Sciences (J. Rep. Pharm. Sci.)*, 2014 3 (1), 19-27
8. **J Karimi**, H Tavilani, A Ranjbar, "Ameliorative Effect of Pentoxifylline a Phosphodiesterase-5 on Acrolein Induced Oxidative Damage", *Zahedan Journal of Research in Medical Sciences*, 2015, 17(9):e1060
9. A Ranjbar, M Sharifzadeh, **J Karimi**, HT Tavilani, MB Baeri, M Abdollahi, "Propofol Attenuates Toxic Oxidative Stress by CCl4 in Liver Mitochondria and Blood in rat". *J Pharm Res.* 2014;13(1):253-62.
10. MT Goodarzi, AS Tootoonchi, **J Karimi**, E Abbasi-Oshaghi. "Anti-diabetic effects of aqueous extracts of three Iranian medicinal plants in fructose fed rats" *Avicenna Journal of Medical Biochemistry*, 2013, 1 (1)
11. AM Amiri Majd, MT Goodarzi, T Hassanzadeh, H Tavilani, **J Karimi**, "In Vitro Study of Glycation of Pyruvate Kinase and Its Effect on Activity and Proteolytic Resistance In Absence And Presence Of Aminoguanidine". *J. Basic. Appl. Sci. Res* 2013, 878- 884.
12. A Vaisi-Raygani, H Tavilani, H Vaisi-Raygani, Z Rahimi, J Karimi "Serum butyrylcholinesterase activity and phenotype associations with lipid profile during various phases of menstrual cycle in young healthy women with regular menses, a preliminary report" *Avicenna Journal of Medical Biochemistry*. 2013, 1 (1)
13. H Tavilani, R Setarehbadi, A Fattahi, SH Nasrollahi, **J Karimi**, G Shafiee "The Relationship between Plasma Antioxidant Enzymes Activity and Sex Hormones during the Menstrual Cycle" *Medical Laboratory Journal*. 2014 7 (4), 34-40
14. H Tavilani, A Fattahi, M Esfahani, I Khodadadi, **J Karimi**, E Bahreyni, A Vatannejad, "Genotype and phenotype frequencies of paraoxonase1 in fertile and infertile men" *Syst Biol Reprod Med*. 2014 Early Online: 1-6

15. **J Karimi**, AA Moshtaghi, B Haghghi. "High molecular weight alkaline phosphatase changes following animal copper treatment" *Avicenna Journal of Medical Biochemistry*. 2014, 2
16. G Barati, H Mirza hosseini, **J Karimi**, N Shabab, M saidijam. "Human Interleukine-1 receptor antagonist Cloning, Expression and Optimization in E.coli Host. *Scientific Journal of Hamadan University of Medical Sciences* 2014; 21: 145-150
17. N. Mohammadi, **J. Karimi**, N. Shabab, S Naderi, M saidijam. "Cloning of BMP-2 Gene and Its Expression Study in E. colin Order to Produce a Recombinant Drug" *Scientific Journal of Hamadan University of Medical Sciences* 2014.21: 196-202
18. H Piri,; B Kazemi , I Khodadadi , M Javadi , M Bandehpour, **J. Karimi**, A Ziaee.."Preparation of Preproinsulin Gene Construct Containing the Metallothionein2A (pBINDMTChIns) and Its Expression in NIH3T3 Cell Line and Muscle Tissue of Alloxan Diabetic Rabbits" *Avicenna Journal of Medical Biochemistry*. 2014, 2
19. AA Majd, MT Goodarzi, T Hassanzadeh, H Tavailani, **J Karimi**. "Aminoguanidine partially prevents the reduction in liver pyruvate kinase activity in diabetic rats" *Advanced Biomedical Research*. 2014, 3, 260
20. H. Moridi, **J. Karimi\*(correspondence)**, ; N. Sheikh, M T. Goodarzi, M.Saidijam, R. Yadegarazari, M. Khazaei, I. Khodadadi, H. Tavailani, H, Piri, S Asadi, S. Zarei, A. Rezaei. "Resveratrol-Dependent Down-regulation of Receptor for Advanced Glycation End-products and Oxidative Stress in Kidney of Rats With Diabetes" *Int J Endocrinol Metab*. 2015 April; 13(2): e23542.
21. M Mohamadian, MT Goodarzi, M Saidijam, **J Karimi**, S Borzouei. "Taq 1B Polymorphism In Cholesterol Ester Transfer Protein And Its Association With Metabolic Syndrome Parameters" *Urmia Medical Journal* 2015, 25 (11), 1041-1049.
22. A Roointan, N Shabab, **J Karimi**, A Rahmani, MY Alikhani. "Designing a bacterial biosensor for detection of mercury in water solutions" *Turk J Bio*. 2015. 39: 550-555.
23. S. Asadi, MT. Goodarzi, M. Saidijam, **J.Karimi**, R.Yadgar Azari, A.Rezaei, I. Salehi "Resveratrol attenuates visfatin and vaspin genes expression in adipose tissue of rats with type 2 diabetes" *Iran J Basic Med Sci, Vol. 18, No. 6, Jun 2015*
24. T. Ghiasvand, MT. Goodarzi, I.Amiri, **J. Karimi**, M. Ghorbani. "Serum levels of lycopene, beta-carotene, and retinol and their correlation with sperm DNA damage in normospermic and infertile men" *Int J Reprod BioMed*. 2015, 13: 787-792.
25. S. Naderi, MY. Alikhani, **J. Karimi**, N.Shabab, N. Mohammadi, H, Jaliliani, M, Saidijam. "Cytoplasmic Expression, Optimization and Catalytic Activity Evaluation of Recombinant Mature Lysostaphin as an Anti-staphylococcal Therapeutic in Escherichia coli" . *Acta Medica International* 2015, 2: 72-77

26. H. Ghasemi, H. Tavilani, I. Khodadadi, M. Saidijam, **J. Karimi\*(correspondence)**. “Circulating Betatrophin Levels Are Associated with the Lipid Profile in Type 2 Diabetes” *Chonnam Med J*. 2015; 51:115-119
27. M. Khazaei, **J. Karimi\*(correspondence)**, ; N. Sheikh, M T. Goodarzi, M.Saidijam, I. Khodadadi, H. Moridi. “Effects of resveratrol on RAGE and oxidative stress in liver of rat with type 2 diabetes ” *Phytotherapy Research*, 2016, 30:66–71
28. T. Artimani, M, Saidijam, R, Aflatoonian, M. Ashrafi, I. Amiri, M. Yavangi, S.SoleimaniAsl, N. Shabab, **J. Karimi**, M. Mehdizadeh. “Downregulation of adiponectin system in granulosa cells and low levels of HMW adiponectin in PCOS” *J Assist Reprod Genet*, 2016, 33 (1): 101- 10.
29. H.Ghasemi, **J. Karimi\*(correspondence)**, MT.Goodarzi, I.Khodadadi, H.Tavilani, H. Moridi, N. Kheiripour. “Seminal plasma zinc and magnesium levels and their relation to spermatozoa parameters in semen of diabetic men” *Int J Diabetes Dev Ctries*. 2016. 36(1):34–39
30. J. Ranjbaran, M. Farimani, H. Tavilani, M. Ghorbani, **J. Karimi**, F, poormonsef, I, Khodadadi. “Matrix metalloproteinases 2 and 9 and MMP9/NGAL complex activity in women with PCOS”. *Reproduction*. 2016, 151: 305–311
31. MM.Eftekharian, **J. Karimi**, M. Safe, A, Sadeghian, S, Borzooei, E, Siahpoushi. “Investigation of the correlation between some immune system and biochemical indicators in patients with type 2 diabetes”. *Human Antibodies* 2016, 24: 25–31
32. M. Nankali, **J. Karimi\*(correspondence)**, MT.Goodarzi, M. Saidijam, I. Khodadadi, AN. Emami, F. Rahimi. “Increased Expression of the Receptor for Advanced Glycation End-Products (RAGE) Is Associated with Advanced Breast Cancer Stage”. *Oncol Res Treat* 2016;39:622–628.
33. F. Rahimi, **J. Karimi\*(correspondence)**, MT.Goodarzi, M. Saidijam, I. Khodadadi, AN. Emami, M. Nankali. “Overexpression of receptor for advanced glycation end products (RAGE) in ovarian cancer. *Cancer Biomarkers* 2016; DOI 10.3233/CBM-160674.
34. S. Zarei, M. Saidijam, **J. Karimi**, R. Yadegarazari, A. Rezaei, SS. Hosseini, MT. Goodarzi. “Effect of resveratrol on resistin and apelin gene expressions in adipose tissue of diabetic rats”. *Turk J Med Sci* (2016) 46: doi:10.3906/sag-1505-6.
35. A.Mohammadalipour, **J. Karimi\*(correspondence)**, I. Khodadadi, Gh.Solgi, M. Hashemnia, N. Sheikh, M. Bahabadi. “Dasatinib prevent hepatic fibrosis induced by carbon tetrachloride (CCl4) via anti-inflammatory and antioxidant mechanism”. *IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY*, 2017VOL. 39, NO. 1, 19–27
36. M. Bahabadi, A.Mohammadalipour, **J. Karimi**, I. Khodadadi, Gh.Solgi, F.Goudarzi M. Hashemnia, N. Sheikh,. “Hepatoprotective effect of parthenolide in rat model of nonalcoholic fatty liver disease”. *IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY*, 2017 VOL. 39, NO. 4, 233–242
37. V. Khanjarsim, **J. Karimi\*(correspondence)**, I.Khodadadi, A.Mohammadalipour, M. T. Goodarzi, Gh. Solgi, M. Hashemnia. “Ameliorative Effects of Nilotinib on CCl4 Induced Liver Fibrosis Via Attenuation of RAGE/HMGB1 Gene Expression and Oxidative Stress in Rat” *Chonnam Med J*, 2017;53:118-126

38. T. Artimani, **J. Karimi**, M. Mehdizadeh, M. Yavangi, E. Khanlarzadeh, M. Ghorbani, S. Asadi & N. Kheiripour. "Evaluation of pro-oxidant-antioxidant balance (PAB) and its association with inflammatory cytokines in polycystic ovary syndrome (PCOS)" *GYNECOLOGICAL ENDOCRINOLOGY*, 2018; 34:148-152.
39. R. Rahimi, **J. Karimi\*(correspondence)**, I.Khodadadi, H. Tayebinia, N. Kheiripour, M. Hashemnia, F. Goli. "Silymarin ameliorates expression of urotensin II (U-II) and its receptor (UTR) and attenuates toxic oxidative stress in the heart of rats with type 2 diabetes. *Biomedicine & Pharmacotherapy*, 2018; 101: 244–250.
40. N. Hosseinpour, S. Salehzadeh, H. Tanzadehpanah, M.Saidijam, **J. Karimi**, S. Khazalpour "In vitro cytotoxicity and DNA/HSA interaction study of triamterene using molecular modelling and multi-spectroscopic methods" *J Biomol Struct and Dyn*, 2019; 37: 2242-2253
41. H. Tanzadehpanah, H. Mahaki, P. Samadi, **J. Karimi**, N. Hosseinpour, S. Salehzadeh, H. S. Khazalpour, D. dastan, M.Saidijam "Anticancer activity, Calf thymus DNA and Human serum albumin binding properties of Farnesiferol C from *Ferula pseudalliacea*" *J Biomol Struct and Dyn*, 2019; 37: 2789-2800.
42. **J. Karimi**, A.Mohammadalipour, N. Sheikh, I. Khodadadi, M. Hashemina, F. Goudarzi,.."Protective effects of combined Losartan and Nilotinib on carbon tetrachloride (CCl4)-induced liver fibrosis in rats" *DRUG AND CHEMICAL TOXICOLOGY*, 2018;12.
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44. M.Moradi, **J. Karimi**, I. Khodadadi, I. Amiri, M. Karami,M. Saidijamd, A.Vatannejad, H. Tavalani "Evaluation of the p53 and Thioredoxin reductase in sperm from asthenozoospermic males in comparison to normozoospermic males" *Free Radical Biology and Medicine* 2018; 116: 123–128
45. S.Asadi1, M.Goodarzi1, **J. Karimi**, M. Hashemnia, I. Khodadadi "Does curcumin or metformin attenuate oxidative stress and diabetic nephropathy in rats?" *J Nephropath* 2019, 8 46. S.Heidarisan, N. Ziamajidi, **J. Karimi**, R. Abbasalipourkabir "Effects of insulin-loaded chitosan-alginate nanoparticle on RAGE expression and oxidative stress status in the kidney tissue of rats with type 1 diabetes" *Iran J Basic Med Sci* 2018; 21:1035-1042.
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48. F. Goli, **J. Karimi\*(correspondence)**,I. Khodadadi, H. Tayebinia, N. Kheiripour, M. Hashemnia, R. Rahimi "Silymarin Attenuates ELMO-1 and KIM-1 Expression and Oxidative Stress in the Kidney of Rats with Type 2 Diabetes" *Ind J Clin Biochem* 2019;34:172–179
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51. N. Kheiripour, **J. Karimi\*(correspondence)**, H. Tavilani, I. Khodadadi, M.T. Goodarzi “The Effect of Silymarin on the Expression of Urotensin–II and Urotensin–II Receptor Genes in the Liver Tissue of Type 2 Diabetic Rats” *Babol Univ Med Sci* 2019; 21: 1-7
52. **J. Karimi\*(correspondence)**, “Relationship Between Advanced Glycation End-Products and Cardiovascular Disease” *Avicenna Journal of Medical Biochemistry* 2018;6;:1-2
53. S.Afshar, R. Najafi, A. Sedighi, M.Sharifi, S. Nikzad, M. H. Gholamib, A. khoshghadam, Raziieh Amini, **J. Karimi**, M. Saidijam “MiR-185 enhances radiosensitivity of colorectal cancer cells by targeting IGF1R and IGF2” *Biomedicine & Pharmacotherapy* 2018; 106: 763–769
54. R. Mohseni, **J. Karimi\*(correspondence)**, H. Tavilani, I. Khodadadi, M, Hashemnia “Carvacrol ameliorates the progression of liver fibrosis through targeting of Hippo and TGF- $\beta$  signaling pathways in carbon tetrachloride (CCl<sub>4</sub>)-induced liver fibrosis in rats” *IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY* 2019; 41: 163-171
55. MA. Amini, SS. Talebi, **J. Karimi\*(correspondence)** “Reactive Oxygen Species Modulator 1 (ROMO1), a New Potential Target for Cancer Diagnosis and Treatment” *Chonnam Med J*, 2019; 55(3):136-143.
56. H Moridi, **J. Karimi\*(correspondence)**, H Tavilani, I Khodadadi, ANE Razavi “Overexpression of PURPL and downregulation of NONHSAT062994 as potential biomarkers in gastric cancer” *Life sciences*, 2019, 237, 116904
57. S Mohagheghi, B Geramizadeh, S Nikeghbalian, I Khodadadi, **J Karimi**, ... H Tavilani, “Intricate role of yes-associated protein1 in human liver cirrhosis: TGF- $\beta$ 1 still is a giant player” *IUBMB Life*, 2019.
58. Z Khajehahmadi, S Mohagheghi, S Nikeghbalian, B Geramizadeh, **J Karimi**, ... H Tavilani. “Downregulation of Hedgehog Ligands in Human Simple Steatosis May Protect Against Nonalcoholic Steatohepatitis: Is TAZ a Crucial Regulator?” *IUBMB Life*, 2019.
59. SA Hosseini, M Saidijam, **J Karimi**, RY Azari, V Hosseini, A Ranjbar “Cerium Oxide Nanoparticle Effects on Paraoxonase-1 Activity and Oxidative Toxic Stress Induced by Malathion: A Potential Antioxidant Compound, Yes or No?” *Indian Journal of Clinical Biochemistry* 2019, 34 (3), 336-341
60. S Mohammadi, **J Karimi\*(correspondence)**, H Tavilani, et al. “Resveratrol downregulates TGF-beta1 and Smad3 expression and attenuates oxidative stress in CCl<sub>4</sub>-induced kidney damage in rats” *Asian Pacific Journal of Tropical Biomedicine* 2020, 10(9), pp. 397-402
61. Z Khajehahmadi, S Mohagheghi, S Nikeghbalian, **J Karimi**, H Tavilani, “Liver stiffness correlates with serum osteopontin and TAZ expression in human liver cirrhosis” *Annals of the New York*

*Academy of Sciences 2020, 1465(1), pp. 117-131.*

62. M Khanahmadi, B Manafi, H Tayebinia, **J Karimi**, I Khodadadi "Downregulation of sirt1 is correlated to upregulation of p53 and increased apoptosis in epicardial adipose tissue of patients with coronary artery disease" *EXCLI Journal 2020, 19, pp. 1387-1398*

63. S Mohammadali, N Heshami, A Komaki, M Hashemnia, **J Karimi**, I Khodadadi "Dill tablet and Ocimum basilicum aqueous extract: Promising therapeutic agents for improving cognitive deficit in hypercholesterolemic rats" *Journal of Food Biochemistry 2020, 44(12), e13485.*

64. S Mohagheghi, Z Khajehahmadi, S Nikeghbalian, **J Karimi**, H Sharafi., H Tavilani "Changes in the distribution of etiologies of cirrhosis among patients referred for liver transplantation over 11 years in Iran" *European Journal of Gastroenterology and Hepatology 2020, 32(7), pp. 844-850.*

65. H Ghasemi, SH Mousavibahar, M Hashemnia, **J Karimi**, F Mirzaei H Tavilani. "Tissue stiffness contributes to YAP activation in bladder cancer patients undergoing transurethral resection" *Annals of the New York Academy of Sciences 2020, 1473(1), pp. 48-6.*

66. MA Amini, **J Karimi\*(correspondence)**, I Khodadadi, SS Talebi, B Afshar. "Overexpression of ROMO1 and OMA1 are Potentially Biomarkers and Predict Unfavorable Prognosis in Gastric Cancer" *Journal of Gastrointestinal Cancer 2020, 51(3), pp. 939-946.*

67. **J Karimi\*(correspondence)**, A Mohammadalipour, et al. "Protective effects of combined Losartan and Nilotinib on carbon tetrachloride (CCl4)-induced liver fibrosis in rats" *Drug and Chemical Toxicology, 43(5):468-478.*

68. R Mohseni, **J Karimi\*(correspondence)**, et al. "Carvacrol Downregulates Lysyl Oxidase Expression and Ameliorates Oxidative Stress in the Liver of Rats with Carbon Tetrachloride-Induced Liver Fibrosis" *Indian Journal of Clinical Biochemistry, 35(4):458-464.*

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71. MA Amini, I Khodadadi, (...), **J Karimi\*(correspondence)**. "Up-Regulation of TPT1-AS1 and SAMSON and Down-Regulation of LINC00961 Long Non-Coding RNAs (lncRNAs) as Potential Tumor Markers in Gastric Cancer" *Avicenna Journal of Clinical Medicine, 27(4):201-210.*

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74. H Shateri, B Manafi, H Tayebinia, **J Karimi**, I Khodadadi. "Imbalance in thioredoxin system activates NLRP3 inflammasome pathway in epicardial adipose tissue of patients with coronary artery disease" *Molecular Biology Reports*, 48(2):1181-1191.
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76. Y Marandi, S Hashemzade, H Tayebinia, H., (...), **J Karimi**, A Zamani, I Khodadadi. "NLRP3-inflammasome activation is associated with epithelial-mesenchymal transition and progression of colorectal cancer" *Iranian Journal of Basic Medical Sciences*, 24(4):483-492.
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78. SS Heidari, M Nafar, S Kalantari, (...), **J Karimi**, KM Moon, I Khodadadi. "Urinary epidermal growth factor is a novel biomarker for early diagnosis of antibody mediated kidney allograft rejection: A urinary proteomics analysis" *Journal of Proteomics*, 240.
79. MA Amini, M Karimi, SS Talebi, H Piri, **J Karimi\*(correspondence)**. "COVID-19 Possibly Deteriorates the Conditions of Cancer Patients by Increasing Oxidative Stress" *Turk Onkoloji Dergisi*, 37(3):361-369.
80. A Naghdi, MT Goodarzi, **J Karimi**, M Hashemnia, I Khodadadi. "Effects of curcumin and metformin on oxidative stress and apoptosis in heart tissue of type 1 diabetic rats" *Journal of Cardiovascular and Thoracic Research*, 14(2):128-137.
81. S Mazloomi, MS Farimani, H Tayebinia, (...), **J Karimi**, E Abbasi, I Khodadadi. "The Association of Mitochondrial Translocator Protein and Voltage- Dependent Anion Channel-1 in Granulosa Cells with Estradiol Levels and Presence of Immature Follicles in Polycystic Ovary Syndrome" *Journal of Reproduction and Infertility*, 23(3):148-159.
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83. S Mazloomi, MS Farimani, H Tayebinia, (...), **J Karimi**, E Abbasi, I Khodadadi. "Granulosa cells from immature follicles exhibit restricted glycolysis and reduced energy production: a dominant problem in polycystic ovary syndrome" *Journal of Assisted Reproduction and Genetics*, 40(2):343-359.

84. Z Khajehahmadi, H Tavidani, **J Karimi**, (...), R Mohseni, S Mohagheghi. "Non-Alcoholic Steatohepatitis and Autoimmune Hepatitis Cirrhosis May Have a Higher Risk of Progression to Hepatocellular Carcinoma" *Hepatitis Monthly*, 23(1).
85. R Farsiabi, I Khodadadi, **J Karimi**, G Shafiee. "The Effects of Genistein on Peroxiredoxin-4 and Oxidative Stress in Lung Cancer Cell Line A549" *Journal of Babol University of Medical Sciences*, 26.
86. H Rezaei, V Zarezade, I Khodadadi, (...), H Tanzadehpanah, **J Karimi\*(correspondence)**. "Unveiling Arformoterol as a potent LSD1 inhibitor for breast cancer treatment: A comprehensive study integrating 3D-QSAR pharmacophore modeling, molecular docking, molecular dynamics simulations and in vitro assays" *International Journal of Biological Macromolecules*, 258.
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88. M Nafar, I Khodadadi, S Kalantari, (...), **J Karimi**, N Dalili, SS Heidari. "Novel Insights into Oxidative Stress and Antioxidant Enzymes in Acute Antibody-Mediated Rejection of Renal Allografts" *Iranian Journal of Kidney Diseases*, 18(4):227-235.
89. E Habibitabar, S Khanverdiloo, M Doostizadeh, (...), **J Karimi**, Shafiee, G. "The PCSK9 Protein Is Not Necessarily a Risk Factor for Major Depressive Disorder. *Basic and Clinical Neuroscience*, 15(4):519-529.
90. T Ghiasvand, **J Karimi**, I Khodadadi, (...), ZA Kichi, SK Hosseini. "Evaluating SORT1 and SESN1 genes expression in peripheral blood mononuclear cells and oxidative stress status in patients with coronary artery disease" *BMC Genomic Data*, 25(1),93.
91. T Ghiasvand, **J Karimi**, I Khodadadi, (...), ZA Kichi, SK Hosseini. "The interplay of LDLR, PCSK9, and lncRNA- LASER genes expression in coronary artery disease: Implications for therapeutic interventions" *Prostaglandins and Other Lipid Mediators*, 177,106969.
92. MA Amini, I Khodadadi, H Tavidani, (...), H Samadian, **J Karimi\*(correspondence)**. "Fabrication, characterization, and application of gelatin/alginate-based hydrogels incorporating selenium-doped deferoxamine-derived carbon quantum dots: In vitro and in vivo studies" *International Journal of Biological Macromolecules*, 303.
93. NH Moghadam, S Salehzadeh, R Kia, (...), **J Karimi**, S Hokmi, SS Movafagh. "A new antitumor platinum(II) complex containing metformin drug: Synthesis, characterization, cellular responses, and theoretical study" *Journal of Molecular Structure*, 1337.

**A. Books:**

- Biochemistry and Molecular Biology (persian translation)

❖ **Presentation:**

## **B. Posters**

- **J.Karimi, et al** “ Association between RAGE and lipid peroxidation in sperm of diabetic men” **Clinical Biochemistry 44, 2011-10-30**
- **J.Karimi, et al** “Plasma concentration of cholesterol, triglyceride, HDL-C, LDL-C, ApoA1, ApoB, and Lp(a) during the menses, follicular and luteal phases of the menstrual cycle” **Clinical Biochemistry 44, 2011-10-30**
- **J.Karimi, et al** “ Antidiabetic effects of the aqueous extract of urtica dioica on high fructose fed rats” **Clinical Biochemistry 44, 2011-10-30**
- **J.Karimi, et al** “ Improvement of hyperinsulinemia in type 2 diabetic rats by Trigonell Foenum compare to Fumaria Officinalis”. **Clinical Biochemistry 44, 2011-10-30**
- **J.karimi** , A.A.moshtaghi, B.haghighi “Comparative effects of L- amino acids on serum high and low molecular weight alkaline phosphatases” **Archives of Iranian Medicine, oct 2007 Vol 10, No 4**
- **J. karimi**, A.A. moshtaghi, B. haghighi "Relationship between copper toxicity and changes in serum high molecular weight alkaline phosphatase in rat". **IJBMB, Sep. 2005 ; vol. 1 , No. 1 , 44.**

## **❖ Awards and Honors:**

- Receptor for Advanced Glycation End product (RAGE) - dependent down regulation of glyoxalase 1 in diabetic neuropathy. Heidelberg, Germany.2011
- Iranian Society of Biochemistry
- Excellent Researcher, Hamadan University of Medical Sciences, 2011
- Excellent Instructor, Hamadan University of Medical Sciences, 2016

## **• ATTENDING FOLLOWING WORKSHOPS:**

- PCR workshop
- *EL-TOR* workshop *May&july*
- Opiats workshop
- Thalassemia workshop
- Diabetes workshop
- Biosafety workshop
- IT workshop (seven skills).
- Heamatology workshop
- Diphtheria workshop
- Addiction workshop
- T.Q.M . workshop
- STI workshop

- Parasitology workshop
- Mycology workshop
- Leishmania workshop
- Research method workshop
- Scientific writing workshop
- Bioethics workshop
- QRT-PCR workshop

**Jamshid Karimi**