

# Curriculum vitae

## Nasrin Ziamajidi

Department of Clinical Biochemistry, School of Medicine, Hamadan University of Medical Sciences, Hamadan, IRAN.

E-mails: n.ziamajidi@umsha.ac.ir & n\_ziamajidi@yahoo.com

---

### Professional Position:

Professor in Department of Clinical Biochemistry, School of Medicine, Hamadan University of Medical Sciences, Hamadan, IRAN.

Researcher in Molecular Medicine Research Center, Hamadan University of Medical Sciences, Hamadan, IRAN.

### Publications:

#### In Cancer:

1. Hossei Tehrani MJ, **Ziamajidi N\***, Abbasalipourkabir R, Barartabar Z, Aslani S. Exploring the potential of AgNPs in modulating the PI3K/AKT/mTOR pathway via miR-133a regulation in MCF-7 breast cancer cells (2024) *Nanomedicine Journal*, 11(1): 52-62.
2. **Ziamajidi N**, Moini N, Danesh H, Abbasalipourkabir R, Radnia N, Barartabar Z. Epidemiological and pathological factors in breast cancer patients in Tehran-Iran: A Single-Centered, Retrospective Study. (2023) *Journal of Obstetrics, Gynecology and Cancer Research*.
3. 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 (2023) *J Cancer Res Clin Oncol*. 149: 6115-6129.
4. 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 (2023) *Biol Trace Elem Res*, 201:3233-3244.
5. Pishbin F, **Ziamajidi N\***, Abbasalipourkabir R, Najafi R, Farhadian M. Correlation of Wilms' Tumor 1 (WT1) with Oxidative Stress Markers and Expression of miR-361-5p; New Aspect of WT1 in Breast Cancer (2023) *Indian Journal of Clinical Biochemistry*, 38(3): 338-350.
6. Daei S, **Ziamajidi N\***, Abbasalipourkabir R, Aminzadeh Z; Vahabirad M. Evaluating Oxidative Stress Condition in Human Bladder Cancer 5637 Cell Line upon Exposure to Silver Nanoparticles (2023) *Middle East J of Cancer*, 14(3): 370-377.
7. Ghasemi P, Shafiee G, **Ziamajidi N**, Abbasalipourkabir R. Copper Nanoparticles Induce Apoptosis and Oxidative Stress in SW480 Human Colon Cancer Cell Line (2023) *Biol Trace Elem Res*, 201(8):3746-3754.
8. Danesh H, **Ziamajidi N**, Mesbah-Namin SA, Nafisi N, Abbasalipourkabir R. Association between Oxidative Stress Parameters and Hematological Indices in Breast Cancer Patients (2022) *Int J Breast Cancer*, 2022: 1-8.
9. Danesh H, Anbiaei R, **Ziamajidi N**, Farhadian M, Barartabar Z, Abbasalipourkabir R. Association between Metabolic Syndrome Risk Factors and Immunohistochemical Profile in Women with Breast Cancer (2022) *Iranian Journal of Medical Sciences*, 1:10.
10. Aminzadeh Z, **Ziamajidi N\***, Abbasalipourkabir R. Anticancer Effects of Cinnamaldehyde through Inhibition of ErbB2/HSF1/LDHA Pathway in 5637 Cell Line of Bladder Cancer (2022) *Anti-Cancer Agents in Medicinal Chemistry*, 22 (6): 1139-1148.
11. Aminzadeh Z, **Ziamajidi N\***, Abbasalipourkabir R, Daei S, Helbi S, Moridnia A. Antitumor Activities of Aqueous Cinnamon Extract on 5637 Cell Line of Bladder Cancer through Glycolytic Pathway (2022) *International Journal of Inflammation*, 2022: 1-9.

12. Aminzadeh Z, Abbasalipourkabir R, Daei S, Helbi S, Moridnia A, **Ziamajidi N\***. Evaluation of cinnamaldehyde and cinnamon aqueous extract effects on oxidative stress biomarkers and antioxidant enzymes activity in 5637 bladder cancer cells (2022) *Medicinal Plants-International Journal of Phytomedicines and Related Industries*, 14(3): 467-476.
13. Daei S, Abbasalipourkabir R, **Ziamajidi N\***. Investigating Anticancer Effects of Silver Nanoparticles on Bladder Cancer 5637 Cells in Comparison to Human Embryonic Kidney Normal Cells (HEK-293) (2022) *Armaghane Danesh*, 27 (1): 27-41 (in Persian).
14. Daei S, **Ziamajidi N\***, Abbasalipourkabir R, Khanaki K, Bahreini F. Anticancer Effects of Gold Nanoparticles by Inducing Apoptosis in Bladder Cancer 5637 Cells (2022) *Biol Trace Elem Res*, 200(6):2673-2683.
15. Maddah A, **Ziamajidi N**, Khosravi H, Danesh H, Abbasalipourkabir R. Gold nanoparticles induce apoptosis in HCT-116 colon cancer cell line (2022) *Mol Biol Rep*, 49(8):7863-7871.
16. Daei S, Abbasalipourkabir R, Khanaki K, Bahreini F, **Ziamajidi N\***. Effects of gold nanoparticles on oxidative stress status in bladder cancer 5637 cells (2022) *Folia Med (Plovdiv)*, 64(4):641-648.
17. Daei S, **Ziamajidi N\***, Abbasalipourkabir R, Aminzadeh Z, Vahabirad M. Silver Nanoparticles Exert Apoptotic Activity in Bladder Cancer 5637 Cells through Alteration of Bax/Bcl-2 Genes Expression. (2022) *Chonnam Med J*. 58(3):102-109.
18. Pishbin F, **Ziamajidi N\***, Abbasalipourkabir R, Najafi R, Farhadian M. Correlation of miR-600 with WT1 expression and its potential clinical significance in breast cancer (2021) *Personalized Medicine*, 18 (1): 31-42.
19. Tahmasebpour N, Feizi MAH, **Ziamajidi N**, Pouladi N, Montazeri V, Farhadian M, Abbasalipourkabir R. Association of omentin-1 with oxidative stress and clinical significances in patients with breast cancer (2020) *Advanced Pharmaceutical Bulletin*, 10 (1): 106-113.
20. Abbasalipourkabir R, **Ziamajidi N**. An Overview of the Role of Nanoparticles in Handling the Breast Cancer (Editorial) (2019) *Avicenna Journal of Medical Biochemistry*, 7(1): 1-3.

## In Toxicity of Drugs:

21. **Ziamajidi N**, Khajvand-Abedini M, Daei S, Abbasalipourkabir R, Nourian A. Ameliorative Effects of Vitamins A, C, and E on Sperm Parameters, Testis Histopathology, and Oxidative Stress Status in Zinc Oxide Nanoparticle-Treated Rats. *Biomed Res Int*. 2023 Jan 17;2023:4371611. doi: 10.1155/2023/4371611. PMID: 36704721; PMCID: PMC9873442.
22. **Ziamajidi N**, Daei S, Khajvand-Abedini M, Abbasalipourkabir R, Nourian A. Vitamins A, C, and E Exert Anti-apoptotic Function in the Testis of Rats After Exposure to Zinc Oxide Nanoparticles. *Chonnam Med J*. 2023 Jan;59(1):48-53. doi: 10.4068/cmj.2023.59.1.48. Epub 2023 Jan 25. PMID: 36794239; PMCID: PMC9900230.
23. **Ziamajidi N**, Barartabar Z, Hossein Tehrani M, Keramat F, Abbasalipourkabir R. Association of changes in liver enzymes, serum albumin and renal function tests with COVID-19 disease severity: A Retrospective Single-Center Study from Hamadan. *Journal of Kerman University of Medical Sciences*. 2023.
24. Keshavarz S, Keshavarz S, **Ziamajidi N**, Daei S. Immune Response to COVID-19 Vaccination in Hematologic Malignancies: A Mini-Review. *Chonnam Med J*. 2023 Jan;59(1):24-30. doi: 10.4068/cmj.2023.59.1.24. Epub 2023 Jan 25. PMID: 36794237; PMCID: PMC9900228.
25. Ekhlasian A, Eftekhar E, Daei S, Abbasalipourkabir R, Nourian A, **Ziamajidi N\***. The antioxidant and anti-apoptotic properties of vitamins A, C and E in heart tissue of rats exposed to zinc oxide nanoparticles. *Mol Biol Rep*. 2022 Dec 29. doi: 10.1007/s11033-022-08103-8. Epub ahead of print. PMID: 36580195.
26. Daei S, Abbasalipourkabir R, Khajvand-Abedini M, **Ziamajidi N\***. The Alleviative Efficacy of Vitamins A, C, and E Against Zinc Oxide Nanoparticles-Induced Hepatic Damage by Reducing Apoptosis in Rats. *Biol Trace Elem Res*. 2022 Apr 1. doi: 10.1007/s12011-022-03218-2. Epub ahead of print. PMID: 35364806.
27. Shirdare M, Jabbari F, Salehzadeh M, **Ziamajidi N**, Nourian A, Heidarisan S, Ghavimishamekh A, Taheri Azandariani M, Abbasalipourkabir R. Curcuma reduces kidney and liver damage induced by titanium dioxide nanoparticles in male Wistar rats. *Avicenna J Phytomed*. 2022 Sep-Oct;12(5):537-547.
28. Norouzi A, **Ziamajidi N**, Sadeghi A, Nazari-Robati M. Protective Effect of Trehalose Against H<sub>2</sub>O<sub>2</sub>-induced Cytotoxicity and Oxidative Stress in PC-12 Cell Line and the Role of Heat Shock Protein-27 (2022) *Iranian Journal of Toxicology* 16 (2), pp.145-152.
29. Bayat M, Daei S, **Ziamajidi N\***, Abbasalipourkabir R, Nourian A. The protective effects of vitamins A, C, and E on zinc oxide nanoparticles (ZnO NPs)-induced liver oxidative stress in male Wistar rats. *Drug Chem Toxicol*. 2021 Dec 16:1-10. doi: 10.1080/01480545.2021.2016809. Epub ahead of print. PMID: 34915775.

30. Afshari-Kaveh M, Abbasalipourkabir R, Nourian A, **Ziamajidi N\***. The Protective Effects of Vitamins A and E on Titanium Dioxide Nanoparticles (nTiO<sub>2</sub>)-Induced Oxidative Stress in the Spleen Tissues of Male Wistar Rats (2021) *Biological Trace Element Research*, 199 (10), pp. 3677-3687.
31. Khanvirdiloo S, **Ziamajidi N**, Moradi A, Ghasemi H, Ghafourikhosroshahi A, Bahmanzadeh M, Ghadiri M, Abbasalipourkabir R. Effects of Vitamins A and E on TiO<sub>2</sub> Nanoparticles-Induced Spermatogenesis Defects in Male Wistar Rats (2021) *Iranian Journal of Science and Technology, Transaction A: Science*. 45 (4), pp. 1191-1200.
32. Karimimoghaddam F, Hosseini RH, **Ziamajidi N**, Abbasalipourkabir R, Nourian A. Effect of rosa canina distilled water on tamoxifen-treated male wistar rats (2020) *Pakistan Journal of Biological Sciences*, 23 (2), pp. 173-180.
33. Gholami H, Divsalar A, Abbasalipourkabir R, **Ziamajidi N**, Saeidifar M. The simultaneous carrier ability of natural antioxidant of astaxanthin and chemotherapeutic drug of 5-fluorouracil by whey protein of  $\beta$ -lactoglobulin: spectroscopic and molecular docking study (2021) *Journal of Biomolecular Structure and Dynamics*, 39 (3), pp. 1004-1016.
34. Bahmani M, **Ziamajidi N**, Hashemnia M, Abbasalipourkabir R. Human umbilical cord-derived mesenchymal stem cells conditioned medium ameliorates CCl<sub>4</sub>-induced liver fibrosis through regulation of expression and activity of liver lysyl oxidase (2020) *Toxin Reviews*.
35. Bahmani M, **Ziamajidi N**, Hashemnia M, Abbasalipourkabir R, Salehzadeh A. Human Umbilical Cord Blood Mesenchymal Stem Cell Conditioned Medium (hMSC-CM) Improves Antioxidant Status in Carbon Tetrachloride-Induced Oxidative Damage in Rat (2020) *Iranian Journal of Science and Technology, Transaction A: Science*, 44 (5), pp. 1327-1335.
36. Moradi A, **Ziamajidi N**, Ghafourikhosroshahi A, Abbasalipourkabir R. Effects of vitamin A and vitamin E on attenuation of titanium dioxide nanoparticles-induced toxicity in the liver of male Wistar rats. *Mol Biol Rep*. 2019 Jun;46(3):2919-2932.
37. Mostoli R, Omidi T, Abbasalipourkabir R, **Ziamajidi N\***. Determination of Lead, Arsenic and Nickel concentration in Iranian and Foreign Hair Colors. *Journal of Health*. 2019. 10 (3), 302-311. (In Persian).
38. Zanganeh N, **Ziamajidi N**, Khodadadi I, Saidijam M, Abbasalipourkabir R. Liver Genes Expression Induced by Tamoxifen Loaded Solid Lipid Nanoparticles in Wistar Female Rats. *Cell Biochem Biophys*. 2018 Jun;76(1-2):303-310.
39. Sadegh Zarei , Hemen Moradi, Soheila Asadi, Roghayeh Abbasalipourkair, **Ziamajidi N**. Investigating the Effect of Zinc Oxide on Enzymatic Antioxidant Activity in Male Rats. *Pajouhan Scientific Journal* 15. 2017; (3), 29-35.
40. **Ziamajidi N\***, Jamshidi S, Ehsani-Zonouz A. In-silico and in-vitro investigation on the phenylalanine metabolites' interactions with hexokinase of Rat's brain mitochondria. *J Bioenerg Biomembr*. 2017; 49 (2):139-147.
41. Javid S, **Ziamajidi N**, Foroughi S, Abbasalipourkabir R. Effects of tamoxifen-loaded solid lipid nanoparticles on the estrogen receptor- $\alpha$  (ER- $\alpha$ ) and vascular endothelial growth factor-A (VEGF-A) genes expression in the endometrial tissue of ovariectomized female Sprague-Dawley rats. *Int J Biol Macromol*. 2017 Mar;96:706-712.
42. Foroughi S, **Ziamajidi N**, Javid S, Abbasalipourkabir R, Aflatoonian R, Ashrafi M, Nourian A. Study of telomerase reverse transcriptase and uterine-ovarian-specific genes expression in the endometrial tissue of ovariectomized female Sprague-Dawley rats. *Int J Biol Macromol*. 2018 Jul 1;113:1302-1307.
43. **Ziamajidi N**, Dehghan A, Zanganeh N, Norouzian P, Abbasalipourkabir R. Effects of tamoxifen-loaded solid lipid nanoparticles on kidney and liver of female ovariectomized rats (2017) *Journal of Clinical and Diagnostic Research*, 11 (12), pp. KC01-KC05.
44. Abbasalipourkabir R, **Ziamajidi N\***, Nasiri A, Behrouj H. Effects of Aqueous Extracts of Chicory and Milk Thistle on Serum Concentrations of Copper, Zinc, and Manganese in Tamoxifen-Treated Rats. *Biol Trace Elem Res*. 2016 Feb 13.
45. Namdar S, Zanganeh N, Nikkiah A, **Ziamajidi N**, Dehghan A, Abbasalipourkabir R. Effect of tamoxifen encapsulated in nanoparticles on serum antioxidant in female wistar ovariectomized rats (2016) *Trends in Medical Research*, 11 (3-4): 95-100.
46. Abbasalipourkabir R, Moradi H, Zarei S, Asadi S, Salehzadeh A, Ghafourikhosroshahi A, Mortazavi M, **Ziamajidi N**. Toxicity of zinc oxide nanoparticles on adult male Wistar rats. *Food Chem Toxicol*. 2015; 84:154-60.
47. **Ziamajidi N**, Nowrouzi A, Khaghani SH, Abdi rad A. Cell viability and intracellular lipid accumulation in HepG2 cells under the influence of oleic acid. *Clin Biochem*. 2011; 44(13), S79.
48. **Ziamajidi N**, Nowrouzi A, Khaghani S, Ahmadian S, Vardasbi S. The effects of chicory and chicoric acid on HepG2 cells viability. *FEBS*. 2011; 278, 321.
49. **Ziamajidi N**, Ehsani-Zonouz A, Firoozrai M. The effect of phenylalanine metabolites on the binding of HK-I (hexokinase type I) to rat brain mitochondria. *Journal of Iran University of Medical Sciences*. 2007; 13 (53), 127-133. (In Persian).

## In Diabetes:

50. **Ziamajidi N\***, Abbasalipourkabir R, Lotfi F, Goodarzi MT. Aqueous Garlic Extract Alleviates Oxidative Stress and Inflammation in Retinal Tissue of Rats with Diabetes Type 2 (2022) Journal of Advances in Medical and Biomedical Research, 30 (139): 138-145.
51. Arab Sadeghabadi, Z, Abbasalipourkabir R, Mohseni R, **Ziamajidi N\***. Chicoric acid does not restore palmitate-induced decrease in iris levels in PBMCs of newly diagnosed patients with T2D and healthy subjects (2022) Archives of Physiology and Biochemistry, 128 (2): 532-38.
52. Arab Sadeghabadi Z, Lotfi F, Sadeghi Moheb S, Abbasalipourkabir R, Goodarzi MT, **Ziamajidi N\***. Effects of garlic extract on inflammatory cytokines in rats with type 1 and type 2 diabetes (2022) Gene Reports, 26,101474:1-6
53. Jamshidi M, **Ziamajidi N**, Abbasalipourkabir R, Khodadadi I, Moradi M, Dehghan A, Kalantarian G. Study the effect of insulin-loaded trimethylchitosan nanoparticles on HepG2 cell line (2022) Gene Reports, 27, 101602: 1-7.
54. Khanaghaei M, **Ziamajidi N**, Poorolajal L, Asadikaram G, Nikoyan P, Abbasalipourkabir R. Effect of Gastric Bypass Surgery on the Oxidative Stress Status in Morbidly Obese Patients (2022) Indian Journal of Surgery, 1-8.
55. Khanaghaei M, **Ziamajidi N**, Poorolajal J, Asadikaram G, Nikoyan P, Bajian M, Abbasalipourkabir R. The influence of gastric bypass surgery on the concentration of high mobility group box 1, nuclear factor erythroid 2-related factor 2 and the genes expression of high mobility group box 1, nuclear factor erythroid2-related factor 2, interleukin 6, and tumor necrosis factor-alpha in the peripheral blood mononuclear cells of patients with morbid obesity (2022) Mol Biol Rep, 49 (5): 3745-3755.
56. Khajvand-Abedini M, Bahmani M, **Ziamajidi N**, Nourian A, Habibi P, Heidarisan Sh, Abbasalipourkabir R. The Restoring Effect of Human Umbilical Cord-Derived Mesenchymal Cell-Conditioned Medium (hMSC-CM) against Carbon Tetrachloride-Induced Pulmonary Fibrosis in Male Wistar Rats (2022) International Journal of Inflammation, 2022: 1-10.
57. Mohassel Azadi S, Shateri H, Mohammadi M, Fadaei R, Sajedi F, **Ziamajidi N\***. Increased circulating level of CTRP15 in patients with type 2 diabetes mellitus and its relation with inflammation and insulin resistance (2021) J Diabetes Metab Disord, 20(2):1499-1504.
58. Lotfi F, **Ziamajidi N\***, Abbasalipourkabir R, Goodarzi MT, Soleimani Asl S. Impacts of garlic extract on testicular oxidative stress and sperm characteristics in type 1 and 2 diabetic rats: An experimental study (2021) Int J Reprod Biomed, 19(10):929-942.
59. Khajvand-Abedini M., **Ziamajidi N.**, Nourian A., Bahmani M., Abbasalipourkabir R. Iron reduces the anti-inflammatory effect of omega-3 polyunsaturated fatty acids on the heart of STZ-and HFD-induced diabetic rats (2021) Gene Reports, 23,101079: 1-10.
60. Lotfi F, Abbasalipourkabir R, Goodarzi MT, **Ziamajidi N\***. Garlic extract attenuates retinal oxidative stress and il-1 $\beta$  expression in stz-induced diabetic rats (2021) Medicinal Plants, 13 (1):157-163.
61. Kalantarian G, **Ziamajidi N**, Abbasalipourkabir R, Mahjub R, Goodarzi MT, Saidijam M, Soleimani Asl S, Jamshidi M. Effect of insulin-loaded trimethyl chitosan nanoparticles on genes expression in the hippocampus of diabetic rats(2020) Journal of Basic and Clinical Physiology and Pharmacology, 31 (2): 2019-0147.
62. Gholamhosseinian A, Abbasalipourkabir R, **Ziamajidi N**, Sayadi M, Sayadi K. The anti-inflammatory effect of omega-3 polyunsaturated fatty acids dramatically decreases by iron in the hippocampus of diabetic rats (2020) Life Sciences, 245, art. no. 117393, .
63. Mohammadi M, Abbasalipourkabir R, **Ziamajidi N\***. Fish oil and chicoric acid combination protects better against palmitate-induced lipid accumulation via regulating AMPK-mediated SREBP-1/FAS and PPAR $\alpha$ /UCP2 pathways (2020) Archives of Physiology and Biochemistry, pp. 1-9.
64. Fadaei R, Shateri H, DiStefano JK, Moradi N, Mohammadi M, Emami F, Aghajani H, **Ziamajidi N\***. Higher circulating levels of ANGPTL8 are associated with body mass index, triglycerides, and endothelial dysfunction in patients with coronary artery disease (2020) Molecular and Cellular Biochemistry, 469 (1-2), pp. 29-39.
65. Sadeghabadi ZA, **Ziamajidi N\***, Abbasalipourkabir R, Mohseni R, Borzouei S. Palmitate-induced IL6 expression ameliorated by chicoric acid through AMPK and SIRT1-mediated pathway in the PBMCs of newly diagnosed type 2 diabetes patients and healthy subjects. Cytokine. 2019 Apr;116:106-114.
66. Mohseni R, ArabSadeghabadi Z, **Ziamajidi N**, Abbasalipourkabir R, RezaeiFarimani A. Oral Administration of Resveratrol-Loaded Solid Lipid Nanoparticle Improves Insulin Resistance Through Targeting Expression of SNARE Proteins in Adipose and Muscle Tissue in Rats with Type 2 Diabetes. Nanoscale Res Lett. 2019 Jul 9;14(1):227.
67. Arab Sadeghabadi Z, Abbasalipourkabir R, Mohseni R, **Ziamajidi N\***. Investigation of oxidative stress markers and antioxidant enzymes activity in newly diagnosed type 2 diabetes patients and healthy subjects, association with IL-6 level (2019) Journal of Diabetes & Metabolic Disorders.. 18(2):437:443.

68. Ghavimishamekh A, **Ziamajidi N**, Dehghan A, Goodarzi, MT, Abbasalipourkabar R. Study of Insulin-Loaded Chitosan Nanoparticle Effects on TGF- $\beta$ 1 and Fibronectin Expression in Kidney Tissue of Type 1 Diabetic Rats (2019) Indian Journal of Clinical Biochemistry, 34 (4), pp. 418-426.
69. **Ziamajidi N\***, Abbasalipourkabar R, Behrouj H, Nasiri A, Lotfi F. Effects of aqueous extract of Allium sativum on biochemical parameters and oxidative stress in STZ- and STZ+niacinamide-induced Diabetes mellitus rats (2017) Annual Research and Review in Biology, 15 (3), art. no. ARRB.34448, 8 p
70. Arab Sadeghabadi Z, **Ziamajidi N\***, Abbasalipourkabar R, Mohseni R. Garlic (Allium sativum) increases SIRT1 and SIRT2 gene expressions in the kidney and liver tissues of STZ- and STZ+niacinamide-induced diabetic rats (2018) J Basic Clin Physiol Pharmacol. 29(5):463-467.
71. Kalantarian G, **Ziamajidi N**, Mahjub R, Goodarzi MT, Saidijam M, Soleimani Asl S, Abbasalipourkabar R. Effect of insulin-coated trimethyl chitosan nanoparticles on IGF-1, IGF-2, and apoptosis in the hippocampus of diabetic male rats (2018) Restor Neurol Neurosci. 36(4):571-581.
72. Behrouj H, **Ziamajidi N\***, Abbasalipourkabar R, Goodarzi MT, Saidijam M. Hypoglycemic and antioxidant effects of oral administration of garlic extract in the livers of type 1 diabetic rats. J Basic Clin Physiol Pharmacol. 2018 Nov 24;30(2):245-250.
73. Heidarisan S, **Ziamajidi N**, Karimi J, Abbasalipourkabar R. Effects of insulin-loaded chitosan-alginate nanoparticles on RAGE expression and oxidative stress status in the kidney tissue of rats with type 1 diabetes. Iran J Basic Med Sci. 2018 Oct;21(10):1035-1042.
74. **Ziamajidi N\***, Behrouj H, Abbasalipourkabar R, Lotfi F. Ameliorative Effects of Allium sativum Extract on iNOS Gene Expression and NO Production in Liver of Streptozotocin + Nicotinamide-Induced Diabetic Rats. Indian J Clin Biochem. 2018 Apr;33(2):147-153.
75. Jamshidi M, **Ziamajidi N**, Khodadadi I, Dehghan A, Kalantarian G, Abbasalipourkabar R. The effect of insulin-loaded trimethylchitosan nanoparticles on rats with diabetes type I. Biomed Pharmacother. 2018 Jan;97:729-735.
76. Pourfarjam Y, Rezagholizadeh L, Nowrouzi A, Meysamie A, Ghaseminejad S, **Ziamajidi N**, Norouzi D. Effect of Cichorium intybus L. seed extract on renal parameters in experimentally induced early and late diabetes type 2 in rats. Ren Fail. 2017; 39 (1):211-221.
77. **Ziamajidi N\***, Nasiri A, Abbasalipourkabar R, Sadeghi Moheb S. Effects of garlic extract on TNF- $\alpha$  expression and oxidative stress status in the kidneys of rats with STZ + nicotinamide-induced diabetes. Pharm Biol. 2017; 55 (1):526-531.
78. Sadeghi Moheb S, Abbasalipourkabar R, Goodarzi MT , Nourian A, **Ziamajidi N\***. The Effects of Aqueous Garlic Extract on TGF- $\beta$ 2 Gene and Protein Expression in Retinal Tissues of Male Diabetic Rats. Avicenna Journal of Clinical Medicine 2017; 24 (2), 112-118. (In Persian).
79. Nasiri A, **Ziamajidi N\***, Abbasalipourkabar R, Goodarzi MT, Saidijam M, Behrouj H, Solemani Asl S. Beneficial Effect of Aqueous Garlic Extract on Inflammation and Oxidative Stress Status in the Kidneys of Type 1 Diabetic Rats. Indian J Clin Biochem. 2017 Jul;32(3):329-336.
80. Karimi MN, Abbasalipourkabar R, Arab Sadeghabadi Z, **Ziamajidi N\***. The level of gene expression of Bax and Bcl-2 and the activity of caspase 3 in the liver tissues of normal, type 1 and type 2 diabetic rats before and after treatment with aqueous extract of garlic. J Shahid Sadoughi Univ Med Sci 2017; 25(7): 547-55. (In Persian).
81. Ghadimi D, Goodarzi MT, **Ziamajidi N**, Moradkhani S, Ghyasvand T. The effect of aqueous extract of origanum vulgare leaves on adiponectin and C-CBL associated protein levels in adipose tissue of STZ-nicotinamide induced diabetic rats. Pharmacophore. 2017; 8 (6).
82. Ghadimi D, Goodarzi MT, **Ziamajidi N**, Moradkhani S. The influence of biochanin a consumption on c-CBL-associated protein level in adipose tissue of streptozotocine-nicotinamide induced diabetic rats. International Journal of Medical Research & Health Sciences. 2017; 5, 195-201.
83. Rezagholizadeh L, Pourfarjam Y, Nowrouzi A, Nakhjavani M, Meysamie A, **Ziamajidi N**, Nowrouzi PS. Effect of Cichorium intybus L. on the expression of hepatic NF- $\kappa$ B and IKK $\beta$  and serum TNF- $\alpha$  in STZ- and STZ+ niacinamide-induced diabetes in rats. Diabetol Metab Syndr. 2016; 13; 8:11.
84. Behrouj H, **Ziamajidi N\***, Abbasalipourkabar R, Nasiri A, Soleimani Asl S. Therapeutic Effect of Silybum marianum Plant Extract on Tamoxifen-Induced Fatty Liver in Rats. Avicenna Journal of Medical Biochemistry. 2015; 3(1): e27160.
85. Ghadimi D, Goodarzi MT, **Ziamajidi N**, Moradkhani S. The effect of Biochanin A on the expression of Adiponectin in adipose tissue of Streptozotocin-Nicotinamide induced diabetic rats. International Journal of Medical Research & Health Sciences. 2016(5): 223-230.
86. Nasiri A, **Ziamajidi N\***, Behrouj H, Abbasalipourkabar R, Dehghan A. The effects of aqueous extract of chicory root on steatosis, lipid profile and liver damage enzyme markers in tamoxifen-treated rats. Molecular and Biochemical Diagnosis (MBD). 2014; 1(3), 185-194.

87. **Ziamajidi N**, Khaghani S, Hassanzadeh G, Vardasbi S, Ahmadian S, Nowrouzi A, Ghaffari SM, Abdirad A. Amelioration by chicory seed extract of diabetes-and oleic acid-induced non-alcoholic fatty liver disease (NAFLD)/non-alcoholic steatohepatitis (NASH) via modulation of PPAR $\alpha$  and SREBP-1. *Food Chem Toxicol.* **2013**;58, 198-209.

## Teaching:

- General biochemistry for BSc. and MD students.
- Clinical biochemistry for BSc., MD, MSc. and PhD students.
- Molecular and cellular biochemistry for MD students.
- Discipline biochemistry for MD students.
- Neurobiochemistry for PhD students.
- Biochemistry of membrane and transport for MSc. students.
- Advanced biochemistry of tissues for MSc. students.
- Molecular biochemistry for MSc. students.
- Biochemistry of hormones and endocrinology for BSc., MSc. and PhD students.
- Biochemistry of cancer for PhD students.
- Biochemistry of trace elements for PhD students.
- Biochemistry of nutrients for BSc. students.
- Molecular and cellular biochemistry for MD international students (English Teaching).
- Discipline Biochemistry for MD international students (English Teaching).
- Biochemistry for dentistry students (English Teaching).
- General biochemistry for pharmacy students (English Teaching).
- Clinical biochemistry for pharmacy students (English Teaching).

## Workshops:

1. SPSS
2. Endnote
3. Scientific writing
4. Scientific search
5. How to review a paper?
6. How to make an electronic questionnaire?
7. Teaching methods and techniques
8. Ethics in research
9. Analysis of amino acids in peptides and proteins
10. Site directed mutagenesis (SDM)
11. Quality control
12. Western blotting
13. Cell culture
14. Working with animals
15. Primer design
16. Principles and applications of PCR and qPCR

17. Biosafety regulations in university research laboratories
18. Principles and applications of UV-Vis absorption spectroscopy
19. Biosafety regulation in university research laboratories
20. Principles and applications of NMR spectroscopy in biomolecular studies
21. How to find the structure of a protein by X-ray crystallography
22. Application of NMR in the quantitative and qualitative study of food and natural products
23. Principles and applications of dynamic light scattering (DLS)
24. Mass spectrometry in biological science

## Lectures and Seminars:

1. Aslani S, Kalantary-Charvadeh A, **Ziamajidi N**, Abbasalipourkabar R. Lymphopenia as a prediction marker for prognosis of COVID-19 patients. Poster presentation in 13th International Congress of Medical Laboratory and Clinic (2022) Tehran, Iran.
2. Kalantary-Charvadeh A, Amini M.A, Beyrami M, Aslani S, **Ziamajidi N**, Abbasalipourkabar R. Platelet-related indices as useful prognostic markers in severe patients with Covid-19. Poster presentation in 13th International Congress of Medical Laboratory and Clinic (2022) Tehran, Iran.
3. Aminzadeh Z, **Ziamajidi N**, Abbasalipourkabar R. Anticancer Effects of Cinnamaldehyde through Inhibition of ErbB2/HSF1/LDHA Pathway in 5637 Cell Line of Bladder Cancer. Poster presentation in 13th International Congress of Medical Laboratory and Clinic (2022) Tehran, Iran.
4. Arab Sadeghabadi Z, Mohseni R, **Ziamajidi N**. Chicoric Acid Attenuates Palmitate-Induced TGF- $\beta$ 1 Gene Expression in Human Peripheral Blood Mononuclear Cells. Poster presentation in 13th International Congress of Medical Laboratory and Clinic (2022) Tehran, Iran.
5. S, **Ziamajidi N**, Abbasalipourkabar R, Khanaki K, Bahreini F. Anticancer Potential of Gold Nanoparticles through Provoking Apoptosis in Bladder Cancer 5637 Cells. Poster presentation in 5th International Cancer Congress (2021) Tehran, Iran.
6. **Ziamajidi N**, Arab Sadeghabadi Z, Mohseni R, Abbasalipourkabar R. Investigation the oxidative stress markers and antioxidant enzymes activity in newly diagnosed type 2 diabetes patients and healthy subjects, association with IL-6 expression. Oral presentation in 11th International Congress of Laboratory and clinic (2019) Tehran, Iran.
7. **Ziamajidi N**, Abbasalipourkabar R, Lotfi F. The effects of garlic extract on IL-1 $\beta$  expression and oxidative stress status in retinal tissues of type 1 diabetic rats. Poster presentation in 15th Iranian National Congress of Biochemistry & 6th International Congress of Biochemistry and Molecular Biology (2018) Isfahan, Iran.
8. Arab Sadeghabadi Z, **Ziamajidi N**, Mohseni R. Effects of garlic extract on NAD<sup>+</sup> dependent histone deacetylases in diabetic rats. Poster presentation in 9th International Congress of Laboratory and clinic, 2th national congress of basic medical sciences and the knowledge-based production (2017) Tehran, Iran.
9. **Ziamajidi N**, Behrouj H, Abbasalipourkabar R, Goodarzi MT, Nasiri A. The therapeutic effect of aqueous extract of garlic on the liver damage enzyme markers in diabetic rats. Poster presentation in 8th International Congress of Laboratory and clinic, 1th national congress of basic medical sciences and the knowledge-based production (2016) Tehran, Iran.
10. **Ziamajidi N**, Nasiri A, Abbasalipourkabar R, Goodarzi MT, Behrouj H. The effect of garlic extract on oxidative stress status in the kidney of diabetic rats. Oral presentation in 8th International Congress of Laboratory and clinic, 1th national congress of basic medical sciences and the knowledge-based production (2016) Tehran, Iran.
11. **Ziamajidi N**, Behrouj H, Nasiri A, Abbasalipourkabar R. Study effects of tamoxifen and aqueous seed extract of milk thistle on serum concentration of copper, zinc and manganese in female rats. Poster presentation in 4th Iranian Congress of Trace Elements (2015) Hamadan, Iran.
12. **Ziamajidi N**, Nasiri A, Behrouj H, Abbasalipourkabar R. The effects of tamoxifen and aqueous chicory root extract on serum concentration of copper, zinc and manganese in rats. Oral presentation in 4th Iranian Congress of Trace Elements (2015) Hamadan, Iran.
13. **Ziamajidi N**, Behrouj H, Nasiri A, Abbasalipourkabar R. The effects of Silybum marianum extract on tamoxifen induced fatty liver in rats. Electronic poster presentation in 7th International Congress of Laboratory and Clinic and 1st Conference of Clinical Virology (2015) Tehran, Iran.
14. Abbasalipourkabar R, Asadi S, **Ziamajidi N**, Mortazavi M, Zareie S, Moradi H. Effect of Zn nanoparticles on sperm quality in adult male Wistar rat. Poster presentation in International Congress of Reproduction (2015) Tehran, Iran.
15. **Ziamajidi N**, Nasiri A, Behrouj H, Abbasalipourkabar R, Mortazavi M. Effect of aqueous Garlic extract on serum quality and quantity in streptozotocin-induced diabetic rats. Poster presentation in International Congress of Reproduction (2015) Tehran, Iran.

16. **Ziamajidi N**, Khaghani S, Hassanzadeh G, Vardasbi S, Ahmadian S, Nowrouzi A, Ghaffari SM, Abdirad A. Amelioration by chicory seed extract of diabetes-and oleic acid-induced non-alcoholic fatty liver disease (NAFLD)/non-alcoholic steatohepatitis (NASH) via modulation of PPAR $\alpha$  and SREBP-1. Poster presentation in 2nd National congress medicinal plants (2013) Tehran, Iran.
17. **Ziamajidi N**, Nowrouzi A, Khaghani S, Abdirad A. Cell viability and intracellular lipid accumulation in HepG2 cells under the influence of oleic acid. Electronic poster presentation in 12th Iranian Congress of Biochemistry and the 4th International congress of Biochemistry & Molecular Biology (2011) Mashhad, Iran.
18. **Ziamajidi N**. Auto antibodies related with diabetes. Oral presentation in 3th International & 8th National Congress on Quality Improvement in Clinical Laboratories (2010) Tehran. Iran.
19. Nowrouzi A, Vardasbi S, Shajary Z, Tonekaboni MS, **Ziamajidi N**, Ghamarian A, Zakeri R, Boushehri H, Golestani A, Khaghani S, Ansari M. Glucose lowering and hepatotoxic effects of cichorium intybus extracts. Oral presentation in 10th Iranian Congress of Biochemistry and the 3th International congress of Biochemistry & Molecular Biology (2009) Tehran, Iran.
20. **Ziamajidi N**, Ehsani zonouz A, Firoozrai M. Investigation of hexokinase type 1 activity and its binding to rat brain mitochondrion in the presence of phenylpyruvic acid. Poster presentation in 8th Iranian Congress of Biochemistry and The First International congress of Biochemistry & Molecular Biology (2005) Tehran, Iran.
21. **Ziamajidi N**, Ehsani zonouz A, Firoozrai M. The effects of phenylpyruvic acid on the hexokinase type I activity and it's binding to the mitochondria in the rat brain. Poster presentation in 12th Iranian biology conference (2004) Hamadan, Iran.
22. **Ziamajidi N**, Ehsani zonouz A, Firoozrai M. The effect of phenylalanine metabolites on the binding of hexokinase type I to the rat brain mitochondria. Oral presentation in 7th Iranian Congress of Biochemistry (2004) Ahvaz, Iran.