

Zohreh Rahimi, Professor of Clinical Biochemistry at Clinical Biochemistry

Department, Kermanshah University of Medical Sciences, Kermanshah, Iran

Date of preparing CV: Dec. 2024

Gender: Female

Citizenship: Iran

Address, Telephone Number, and Email:

Office:

1. Department of Clinical Biochemistry, Medical School, Daneshgah Avenue,
Kermanshah, Iran.

2. Medical Biology Research Center, Daneshgah Avenue, Kermanshah, Iran.

Telephone number: 0098-833-4274882

Email: [zrahimi @ kums.ac.ir](mailto:zrahimi@kums.ac.ir) rahimizus@yahoo.com

Professor of Clinical Biochemistry,

Present Positions:

*Board member of Clinical Biochemistry, Iran

*Senior Researcher

*Member of Ethics Committee, Medical School, Kermanshah University of Medical Sciences

*Member of Research Council, Medical School, Kermanshah University of Medical Sciences

*Member of Publications Council, Kermanshah University of Medical Sciences

Previous positions:

***Vice Chancellor of Research, Medical School, Kermanshah University of Medical**

Sciences (2017-2022)

***Head of Department of Clinical Biochemistry, Medical School, Kermanshah University of**

Medical Sciences (2016-2023)

***Secretary of Ethics Committee, Medical School, Kermanshah University of Medical**

Sciences (2021-2022)

Education:

Undergraduate: BSc., Biology, Ferdowsi University, Mashad, Iran (1985-1989)

Graduate: MSc. of Clinical Biochemistry (With distinction),

Isfahan University of Medical Sciences, Isfahan, Iran (1991-1994)

Postgraduate: PhD. of Clinical Biochemistry (With distinction),

Shiraz University of Medical Sciences, Shiraz, Iran (1999-2004)

Honors and Awards:

1. Top PhD student, 2002, Shiraz University of Medical Sciences, Shiraz

2. The best PhD student introduced to the Ministry of Health and Medical Education,

2003, Shiraz University of Medical Sciences, Shiraz

3. The top researcher, 2005, Kermanshah University of Medical Sciences, Kermanshah

- 4. The top researcher, 2006, Kermanshah University of Medical Sciences, Kermanshah**
- 5. The top researcher, 2007, Kermanshah University of Medical Sciences, Kermanshah**
- 6. The senior lecturer introduced to the Ministry of Health and Medical Education, 2007, Kermanshah University of Medical Sciences, Kermanshah**
- 7. The top researcher, 2008, Kermanshah University of Medical Sciences, Kermanshah**
- 8. The top researcher, 2009, Kermanshah University of Medical Sciences, Kermanshah**
- 10. The top lecturer, 2009, Kermanshah University of Medical Sciences, Kermanshah**
- 11. The top researcher, 2010, Kermanshah University of Medical Sciences, Kermanshah**
- 12. The top researcher, 2011, Kermanshah University of Medical Sciences, Kermanshah**
- 13. The top researcher, 2012, Kermanshah University of Medical Sciences, Kermanshah**
- 14. The top researcher, 2013, Kermanshah University of Medical Sciences, Kermanshah**
- 15. The top researcher, 2014, Kermanshah University of Medical Sciences, Kermanshah**
- 16. The top researcher, 2015, Kermanshah University of Medical Sciences, Kermanshah**
- 17. The top researcher, 2016, Kermanshah University of Medical Sciences, Kermanshah**
- 18. The top researcher, 2017, Kermanshah University of Medical Sciences, Kermanshah**
- 19. The top researcher, 2018, Kermanshah University of Medical Sciences, Kermanshah**
- 20. The best Teacher (lecturer) 2019, Kermanshah University of Medical Sciences, Kermanshah**
- 21. One of Iranian top researchers**

22. One of outstanding researcher of medical sciences of Iran

23. The first Prof. woman of Kermanshah

Previous Editorial Board Member

- 1. International Journal of Medical Genetics**
- 2. World Journal of Biological Chemistry**

Present Editorial Board Member

- 1. Health Science Reports**
- 2. J Renal Injury Prevention**
- 3. Journal of Kermanshah University of Medical Sciences**
- 4. Avicenna Journal of medical Biochemistry**
- 5. Acta Biochimica Iranica**

Reviewer

- 1. Clinica Chimica Acta**
- 2. Clinical Biochemistry**
- 3. Human Biology**
- 4. International Journal Laboratory Hematology**

- 5. Molecular Biology Reports**
- 6. Acta Haematologica**
- 7. Achieves of Medical Research**
- 8. J Pediatrics Hematol Oncol**
- 9. J Expert Review of Proteomics**
- 10. J BMC Blood Disorders**
- 11. Iranian J Biotechnology**
- 12. Metabolism**
- 13. DNA and Cell Biology**
- 14. Sexual Medicine**
- 15. Disease Markers**
- 16. BMC Research Notes**
- 17. Neurology India**
- 18-Cardiovascular Diabetology**
- 19. Nephrology**
- 20. J Renin Angiotensin Aldosterone**
- 21. Am J Hum Biol**
- 22. Biomarkers Med**
- 23. BioMed Res Int**

24. Archives of Gynecology and Obstetrics
25. Journal of Kermanshah University of Medical Sciences, Iran
26. Sci Rep
27. Genet Test Mol Biomarkers
28. Clinical and Experimental Hypertension
29. Hypertension in Pregnancy
30. Advances in Medical Sciences
31. Advances in Medical Research
32. Health Science Reports
33. Egyptian Journal of Medical Human Genetics
34. BMC Medical Genomics

ESI Top 1% Researcher

h-index: 34

<https://www.scopus.com/authid/detail.uri?authorId=57217262194>

https://scholar.google.com/citations?user=4AQA_68AAAAJ&hl=en

<https://orcid.org/0000-0001-7589-3307>

Publications

1. Pashaei S, Shabani S, Mohammadi S, Morozova-Roche LA, Salari N, **Rahimi Z**, Khodarahmi R. Differential expression of neurodegeneration-related genes in SH-SY5Y neuroblastoma cells under the influence of cyclophilin A: Could the enzyme be a likely trigger and therapeutic target for Alzheimer's Disease? *Neurochemical Research*. 2025; 50 (1): 128
2. Kohsari M, **Rahimi Z**, Najafi F, Moradinazar M. The reference interval values of biochemical parameters in Iranian kurkish adults: Results from non-communicable diseases of Ravansar Cohort. *Indian Journal of Clinical Biochemistry*. 2024:1-10
3. Asadi S, **Rahimi Z**, Kohsari M, Babajani F, Amiri M, Jalilian N, Naseri R, Haghazari L. Assessing the possible association between MTHFR (rs1801133) and GPx-1 (rs1050450) polymorphisms with the risk of type 2 diabetes, diabetic neuropathy, and diabetic retinopathy. *Molecular Biology Reports*. 2024; 50 (1), 583.
4. Naseri R, Khalili F, **Rahimi Z***, Yari K, Rezaei M. Protective role of SIRT1 (rs3758391 T>C) polymorphism against T2DM and its complications: Influence on GPx activity. *Health Science Reports*. 2024; 7 (11): e70106
5. Mirzababaei M, Babaei F, Ghafghazi S, **Rahimi Z**, Asadi S, Dargahi L, Nassiri-Asl M, Haghazari L. *Saccharomyces Boulardii* alleviates neuroinflammation and oxidative stress in PTZ-kindled seizure rat model. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2024; 1-11
6. Rahimi S, Rezvani N, Khazayel S,**Rahimi Z***. The study of HMOX1 DNA methylation and gene expression and the diagnostic potential of miR-153-3p in preeclampsia. **Epigenomics**. 2024 16(6):389-401.

7. Zakeri S , **Rahimi Z***, Rezvani N , Vaisi-Raygani A, RAlibakhshi R, SZakeri S, Yari K. The influence of Nrf2 gene promoter methylation on gene expression and oxidative stress parameters in preeclampsia. **BMC Medical Genomics**. 2024: 17:64
8. Khadir F, **Rahimi Z***, Vaisi-Raygani A, Shakiba E, Pouramir M, Bahrehmand F. Variants and haplotypes of SIRT1 (rs7895833, rs7069102, and rs2273773) are associated with the risk of preeclampsia and affect the trace elements and antioxidant enzymes levels. **Biochemical Genetics**. In Press.
9. Rahbar Farzam O, Najafi S, Amini M, **Rahimi Z**, et al. Interplay of miRNAs and lncRNAs in STAT3 signaling pathway in colorectal cancer progression. **Cancer Cell Int**. 2024; 24, 16.
10. Shakiba E, Moradinazar M, **Rahimi Z**, Najafi F, Pasdar Y, Kohsari M. Tobacco smoking and blood parameters in the Kurdish population of Iran. **BMC Cardiovascular Disorders**. 2023; 23 (1), 401
11. Kiani A, Elieh-Ali-Komi D, Bahrehmand F, Mostafaei Sh, Vaisi-Raygani A, Baniamerian H, Aghaz F, Tanhapour M, Shakiba E, **Rahimi Z**, Pourmotabbed T. Association of angiotensin-converting enzyme (ACE) I/D variation with biochemical parameters and oxidative stress markers in systemic lupus erythematosus patients in west of Iran. **Molecular Biology Reports**. 2023; 50: 8201-8212
12. Aghaz F, Asadi Z, Sajadimajd S, Kashfi K, Arkan E, **Rahimi Z**. Codelivery of resveratrol melatonin utilizing pH responsive sericin based nanocarriers inhibits the proliferation of breast cancer cell line at the different pH. **Sci Rep**. 2023 8; 13(1):11090.
13. Najafi S, **Rahimi Z**, Mansoori B, Mohammadi A, Mohammadnejad F, Amini M, Mokhtazadeh A, Asadzadeh Z, Chi-Shing Cho W, Baradaran B. CD44 Suppression

Improved the Chemosensitivity of HT-29 Colorectal Cancer Cells to 5-Fluorouracil and Inhibited Cell Migration. **Adv Pharm Bull.** 2023. 13(3): 551-562.

14. Ahmad AA, **Rahimi Z***, Asadi S, Vaisi-Raygani A, Kohsari M. The GPx-1 Gene Variants (rs1050450) in Obesity: Association with the Risk of Obesity and the GPx Activity in Females. **Reports of Biochemistry & Molecular Biology** 2023; 12 (1):185
15. Zakeri S, **Rahimi Z***, Jalilian N, Vaisi-Raygani A, Rezvani A, Dastafkan Z. Aberrant Methylation of the SOD1 GENE, its Expression and Enzyme Activity in the Placenta of Patients with Preeclampsia. **Reports of Biochemistry & Molecular Biology.** 2023; 12 (1): 112
16. Karami B, Azimi A, **Rahimi Z**, Mahmoudi S, Jalilian N. Contribution of NOS3AS Variants to Susceptibility to Essential Hypertension: A Study in Kermanshah Province, Western Iran. **Biochemical Genetics.** 2023. 61:2149-2158.
17. Mohhamed SA, Khadir F, **Rahimi Z***, Kohsari M. Klotho G395A variants are associated with T2DM and diabetic nephropathy and influence on the levels of biochemical parameters. **Gene Reports.** 2023; 30,101733.
18. Ahmed GO, **Rahimi Z***, Kohsari M, Shakiba E. The influence of LPL S447X variants and obesity on lipid profile, oxidative stress, and the risk of T2DM: A case-control study. **Health Sci Rep.** 2023; 2; 6(1):e1031.
19. Mohhamed SA, **Rahimi Z***, Shakiba E, Khadir F, Kohsari M. Association of 25 (OH)-D3 level with the CYP27B1 rs10877012 variants and metabolic parameters in T2DM patients from Kurdistan, Iraq. **Avicenna J Med Biochem.** 2022; 10(2):90- 94.
20. Hesni E, Sayad B, Khosravi Shadmani F, Najafi F, Khodarahmi R, **Rahimi Z**, Bozorgomid A, Sayad N. Demographics, clinical characteristics and outcomes of 27,256 hospitalized

COVID-19 patients in Kermanshah Province, Iran: a retrospective one-year cohort study. **BMC Infectious Diseases**. 2022; 22:319

21. Zangeneh M, Heydarian S, Seifi Z, Kohsari M, **Rahimi Z***. Association of Keap1 (rs11085735) polymorphism and lncRNA MEG3 hypermethylation status with the risk of preeclampsia. **Egyptian Journal of Medical Human Genetics**.2022; 23:37.
22. Ahmad AA, **Rahimi Z***, Vaisi-Raygani A. Keap1 gene variants (rs11085735) and lipid profile in obese individuals from Kurdistan, Iraq. **Avicenna J Med Biochem**. 2022; 10(2):95-100.
23. Khadir F, **Rahimi Z***, Vaisi-Raygani A, Shakiba E, Naseri R. Gestational Diabetes Mellitus (GDM), Hypothyroidism, and Gene Variants (Keap1 Rs11085735) in Patients with Preeclampsia. **Reports in Biochemistry and Molecular Biology**. 2022; 11 (3): 493-501.
24. Omar Ahmed G, **Rahimi Z***, Shakiba E, Naseri R, Khadir F, Kohsari M. The correlation of Nrf2 rs6721961 variants with the risk of type 2 diabetes mellitus in obesity in Kurdistan of Iraq. **J Kermanshah Univ med Sci**. 2022; 26 (3): e131692
25. Kohsari M, Moradizar M, **Rahimi Z**, Najafi F, Pasdar Y, Shakiba E. New inflammatory biomarkers (lymphocyte and monocyte percentage to high-density lipoprotein cholesterol ratio and lymphocyte to monocyte percentage ratio) and their association with some cardiometabolic diseases. **Wien Klin Wochenschr**. 2022; 134(17-18):626-635.
26. Dehbani M, Rahimi M, **Rahimi Z***. A review on convective heat transfer enhancement using ultrasound. **Applied Thermal Engineering**. 2022; 208:118273
27. Freidoonfara K, Monazzami A, **Rahimi Z**, Rahimi M. The effects of eight-week resistance training on fatty liver and lipid profile indices, insulin resistance and body composition in

- diabetic women with non-alcoholic fatty liver disease. **Razi Journal of Medical Sciences.** 2022; 29 (2): 117-129
28. Sayad B, Afshar ZM, Mansouri F, Salimi M, Miladi R, Rahimi S, **Rahimi Z***, Shirvani A. Pregnancy, preeclampsia, and COVID-19: susceptibility and mechanisms: A review study. **Int J Fertil Steril.** 2022; 16(2): 64-69
29. Ebrahimi A, Sayad B, **Rahimi Z***. COVID-19 and psoriasis: Biologic treatment and challenges. **J Dermatol Treat.** 2022; 33(2), pp. 699-703.
30. Khadir F, **Rahimi Z***, Ghanbarpour A, Vaisi-Raygani A. Nrf2 rs6721961 and oxidative stress in preeclampsia: Association with the risk of preeclampsia and early-Onset preeclampsia. **Int J Mol Cell Med.** 2022; 11 (2). 127-136.
31. Amiri, M., Elieh Ali Komi, D., Vaisi-Raygani, A., Kiani A, Moradi M, Aliyari M, **Rahimi, Z**, Mohammadi-Noori, E., Bashiri, H. Association between vitamin D binding protein gene polymorphism (rs7041), vitamin D receptor, and 25-Hydroxyvitamin D serum levels with prostate Cancer in Kurdish population in West of Iran. **Pathology and Oncology Research** 2022; 28:1610246.
32. Khalili F, Vaisi-Raygani A, Shakiba E, Kohsari M, Dehbani M, Naseri R, Asadi S, Rahimi Z, Rahimi M, **Rahimi Z***. Oxidative stress parameters and keap 1 variants in T2DM: Association with T2DM, diabetic neuropathy, diabetic retinopathy, and obesity. **J Clin Lab Anal.**2022;36: e24163.
33. Rahimi S, Zakeri S, Nouri M, Mohasel Y, Karami B, Jomor SOH, **Rahimi Z***, Asadi Z. Thalassemia and COVID-19: susceptibility and severity. **Iran J Pediatr.** 2021; 31(6): e119789.

34. Babajani F, Kakavand A, Mohammadi H, Sharifi A, Zakeri S, Asadi S, Zeinab Mohseni Afshar, **Rahimi Z***, Sayad B. COVID-19 and renin angiotensin aldosterone system: Pathogenesis and therapy. **Health science reports**. 2012; 4 (4), e440.
35. **Rahimi Z**, Ghorbani Z, Motamed H, Jalilian N. Aberrant expression profile of miR-32, miR-98 and miR-374 in chronic lymphocytic leukemia. **Leukemia Research**. 2021; 111: 106691.
36. Aliyari, M., Elieh Ali Komi, D., Kiani, A., Kiani A, Moradi MR, **Rahimi Z**, Mozafari H, Mohammadi-Noori E, Pourmotabbed T Vaisi-Raygani A, Bahrehmand F. The role of caveolin-1 and endothelial nitric oxide synthase polymorphisms in susceptibility to prostate cancer. **International Journal of Experimental Pathology**. 2021; 102(6): 260-267.
37. Kohsari M, Moradinazar M, **Rahimi Z**, Najafi F, Pasdar Y, Moradi A, Shakiba E. Association between RBC indices, anemia, and obesity-related diseases affected by body mass index in Iranian Kurdish population: Results from a cohort study in Western Iran. **International Journal of Endocrinology**. 2021. 2021:9965728.
38. Aghaz F, Vaisi-Raygani A, Khazaei M, Arkan E, Sajadimajd S, Mozafari H, **Rahimi Z**, Pourmotabbed, T. Co-encapsulation of tertinoin and resveratrol by solid lipid nanocarrier (SLN) improves mice *in vitro* matured oocyte/ morula-compact stage embryo development. **Theriogenology**. 2021; 171: 1-13.
39. Hama AH, Shakiba E, **Rahimi Z***, Karimi M, Mozafari H, Abdulkarim OA. Vitamin D level, lipid profile, and vitamin D receptor and transporter gene variants in sickle cell disease patients from Kurdistan of Iraq. **J Clinical Laboratory Analysis**. 2021; 35(9),e23908.

40. Sayad B, Karimi M, **Rahimi Z***. Sickle cell disease and COVID-19: Susceptibility and severity. **Pediatric Blood & Cancer**. 2021; 68 (8): e29075.
41. Sayad B, Khodarahmi R, Najafi F, Miladi R, Mohseni Afshar Z, Mansouri F, **Rahimi Z**, Shirvani M, Salimi M, Vaziri S, Janbakhsh A, Khosravi Shadmani F, Bozorgomid A, Zamanian MH, Afsharian M. Efficacy and safety of sofosbui/velpatasvir versus the standard of care in adults hospitalized with COVID-19: a single-centre, randomized controlled trial. **Journal of Antimicrobial Chemotherapy**. 2021; 76(8): 2158-2167.
42. Astinchap A, Monazzami A, Fereidoonfara K, **Rahimi Z**, Rahimi M. Modulation of fibroblast growth factor-21 and β klotho proteins expression in type 2 diabetic women with non-alcoholic fatty liver disease following endurance and strength training. **Hepatitis Monthly**. 2021; 21 (7) e116513.
43. Jalilian N, Maleki Y, Shakiba E, Aznab M, Rahimi Z, **Rahimi Z***. p53 CD 72 C>G (rs1042522) and MDM2 SNP 309 (T>G) variants and their interaction in chronic lymphocytic leukemia; a survey in CLL patients from Western Iran. **International J Hematol Oncol & Stem Cell Res**. 2021. 15 (3): 160-169.
44. Kohsari M, Moradinazar M, **Rahimi Z**, Pasdars Y, Shakib E. Liver Enzymes and their association with some cardiometabolic diseases: evidence from a large Kurdish cohort. **Biomed Research International**. 2021; 2021:5584452.
45. Bilvayeh S, **Rahimi Z**, Yari K, Mostafaei S. A systematic review and meta-analysis of the DNA methylation in colorectal cancer among Iranian population. **Gene Reports**. 2021. 23:101080.
46. Moradinazar M, Najafi F, Hamzeh B, Shakiba E, Bohn MK, Adeli K, **Rahimi Z***. Establishing hematological reference intervals in healthy adults: Ravansar non-

- communicable disease cohort study, Iran. **International Journal of Laboratory Hematology**. 2021. 43(2):199-209.
47. Nasiri A, Vaisi-Raygani A, **Rahimi Z**, Bakhtiari M, Bahrehmand F, Kiani A, Mozafari H, Pourmotabbed T. Evaluation of the relationship among the levels of SIRT1 and SIRT3 with oxidative stress and DNA fragmentation in asthenoteratozoospermic men. **International Journal of Fertility and Sterility**. 2021; 15 (2): 135-140.
48. Shakiba E, Ramazani U, Mardani E, **Rahimi Z**, Moradi Nazar Z, Najafi F, Moradinazar M. Epidemiological features of HIV/AIDS in the Middle East and North Africa from 1990 to 2017. **Int J STD AIDS**. 2021; 32(3):257-265.
49. Akbari M, **Rahimi Z***, Rahimi M. Chitosan/tripolyphosphate nanoparticles in active and passive microchannels. **Research in Pharmaceutical Sciences**. 2021; 16(1): 79-93.
50. Ghorbani Z, Shakiba M, Rezavand N, Rahimi Z, Vaisi-Raygani A, **Rahimi Z***, Shakiba E. Gene variants and haplotypes of Vitamin D biosynthesis, transport, and function in preeclampsia. **Hypertension in Pregnancy**. 2021; 40(1): 1-8.
51. Mozafari H, Tghikhani M, **Rahimi Z**, Raygani AV, Ansari S, Khatami S, Alaei MR, Saghiri R. Analysis of glucocerebrosidase (GBA) gene mutations in Iranian patients with Gaucher disease. **Iranian Journal of Child Neurology**. 2021; 15 (3), 139.
52. **Rahimi Z**, Bozorgi Zarini M, Rahimi Z, Shakiba E, Vaisi-Raygani A, Moradi MT, Yari K. Variants of genes involved in metabolism of folate among patients with breast cancer: Association of TYMS 3R allele with susceptibility to breast cancer and metastasis. **Iranian J Pathol**. 2021; 16(1): 62-68.
53. Kiani A, Kamankesh M, Vaisi-Raygani A, Moradi MR, Tanhapour M, **Rahimi Z**, Elahi-Rad S, Bahrehmand F, Aliyari M, Aghaz F, Mozafari H, Rezvani N, Haghazari L,

- Pourmotabbed T. Activities and polymorphisms of MMP-2 and MMP-9, smoking, diabetes and risk of prostate cancer. **Molecular Biology Reports**. 2020; 47(12): 9373-9383.
54. Sayad A, Afshar ZM, Mansouri F, **Rahimi Z***. Leukocytosis and alteration of hemoglobin level in patients with severe COVID-19: Association of leukocytosis with mortality. **Health Science Reports**. 2020; 3(4), e194.
55. Jalilvand A, Yari K, Aznab M, **Rahimi Z**, Salahshour far I, Mohammadi P. A case-control study on the SNP309T → G and 40-bp Del1518 of the MDM2 gene and a systematic review for MDM2 polymorphisms in the patients with breast cancer. **Journal of Clinical Laboratory Analysis**. 2020; 34(12): e23529.
56. Moradi MT, Fallahi H, **Rahimi Z***. The clinical significance of circulating DSCAM-AS1 in patients with ER-positive breast cancer and construction of its competitive endogenous RNA network. **Molecular Biology Reports**. 2020; 47(10): 7685-7697.
57. Nasiri A, **Rahimi Z***, Vaisi-Raygani A. Hemoglobinopathies in Iran: an updated review. **International J Hematol Oncol & Stem Cell Res**. 2020; 14 (2):140-150.
58. Astinchap A, Monazzami A, **Rahimi Z**, Rahimi M. The effect of moderate intensity endurance training on some fatty liver and metabolic indices in diabetic women with non-alcoholic fatty liver. **Iranian Journal of Physiology and Pharmacology**. 2020; 4 (1), 49-58.
59. Zakeri S, Naseri R, **Rahimi Z***. Comment on “Association between interleukin-32 and interleukin-17A single nucleotide polymorphisms and serum levels with polycystic ovary syndrome”. **Iran J Allergy Asthma Immunol**. 2020; 19(3):318-319.

60. Sayad B, Mohassel Y, Yari K, **Rahimi Z***. CYP24A1 genetic variants in the vitamin D metabolic pathway are involved in the outcomes of hepatitis C virus infection among high-risk Chinese population. **Int J Infect Dis.** 2020; 91: 270.
61. Sayad B, **Rahimi Z***. Blood coagulation parameters in patients with severe COVID-19 from Kermanshah Province of Iran. **East Med Health J.** 2020; 26(9): 999-1004.
62. Moradi MT, Hatami R, **Rahimi Z***. Circulating CYTOR as a potential biomarker in breast cancer. **International Journal of Molecular and Cellular Medicine.** 2020; 9(1): 83-89.
63. Mozafari H, Khatami S, Kiani A, **Rahimi Z**, Vaisi-Raygani A, Afsharnaderi A, Alaei MR. Oxidative Stress Parameters, Trace Elements, and Lipid Profile in Iranian Patients with Gaucher Disease. **Biol Trace Elem Res.** 2020. 193: 130-137.
64. Zinati-Saeed S, Shakiba E, **Rahimi Z***, Akbari M, Najafi F, Bahrehmand F, Vaisi-Raygani A, Rahimi Z, Ebrahimi A, Rahimi M. The IGF-1 (G>A) and MTHFR (C677T) gene variants and the serum levels of IGF-1, insulin, and HOMA in patients with Acne Vulgaris. **Iranian J Pathol.** 2020; 15(1): 23-29.
65. Vaisi-Raygani A, Khazaei M, Arkan E, **Rahimi Z**, Aghaz F. Antioxidant activities of α -lipoic acid free and nano-capsule inhibit the growth of Ehrlich carcinoma. **Mol Biol Rep.** 2019; 46(6):6685-6686.
66. Burstein R, Henry NJ, Collison ML, Marczak LB, Sligar A, Watson S, ...**Rahimi Z**,...GBD 2019 Collaborators. Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. **Nature.** 2019; 574(7778):353-358.
67. Kiani A, Mohammadi-Nori E, Vaisi-Raygani A, Tanhapour M, Elahi-Rad S, Bahrehmand F, **Rahimi Z**, Pourmotabbed T. Vitamin D-binding protein and vitamin D receptor genotypes and 25-hydroxyvitamin D levels are associated with development of aortic and

- mitral valve calcification and coronary artery diseases. **Mol Biol Rep.** 2019; 46(5): 5225-5236.
68. GBD 2017 Risk Factor Collaborators. Erratum: Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 ...The Lancet. 2019; 393 (10190), e44.
69. Maleki Y, Alahbakhshi Z, Heidari Z, Moradi MT, **Rahimi Z**, Yari K, **Rahimi Z***, Aznab M, Ahmadi-Khajevand M, Bahremand F. NOTCH1, SF3B1, MDM2 and MYD88 mutations in patients with chronic lymphocytic leukemia. **Oncol Lett.** 2019;17(4):4016-4023.
70. Rezavand N, Tabarok S, **Rahimi Z***, Vaisi-Raygani A, Mohammadi E, **Rahimi Z**. The effect of VDR gene polymorphisms and vitamin D level on blood pressure, risk of preeclampsia, gestational age, and body mass index. **J Cell Biochem.** 2019;120(4):6441-6448.
71. **Rahimi Z**, Bozorgi M, Rahimi Z, Shakiba E, Yari K, Jalilian N, Vaisi-Raygani A. MTHFR C677T polymorphism is associated with the risk of breast cancer among Kurdish population from western Iran. **International Journal of Cancer Management.** 2019; 12 (3).
72. Nomani H, Hesami O, Vaisi-Raygani A, Tanhapour M, Bahrehmand F, **Rahimi Z**, Kiani A, Shakiba E, Pourmotabbed T. Association between the -11377 C/G and -11391 G/A polymorphisms of adiponectin gene and adiponectin levels with susceptibility to type 1 and type 2 diabetes mellitus in population from the west of Iran, correlation with lipid profile. **J Cell Biochem.** 2019; 120(3):3574-3582.

73. **Rahimi Z**, Mohammadi M. The CYP17MSP AI (T-34C) and CYP19A1 (Trp39Arg) variants in polycystic ovary syndrome: A case-control study. **Int J Reprod Biomed** 2019; 17 (3).
74. Moradi MT, Fallahi H, **Rahimi Z***. Interaction of long noncoding RNA MEG3 with miRNAs: A reciprocal regulation. **J Cell Biochem**. 2019; 120(3):3339-3352.
75. Tanhapour M, Falahi B, Vaisi-Raygani A, Bahrehmand F, Kiani A, **Rahimi Z**, Vaisi-Raygani AA, Shakiba E, Pourmotabbed T. Angiotensin-converting enzyme insertion/deletion (rs106180) and angiotensin type 1 receptor A₁₁₆₆C (rs106165) genotypes and psoriasis: Correlation with cellular immunity, lipid profile, and oxidative stress markers. **J Cell Biochem**. 2019. 120 (2):2627-2633.
76. Tanhapour M, Shahmohamadnejad S, Vaisi-Raygani A, Kiani A, Shakiba Y, **Rahimi Z**, Bahrehmand F, Shakiba E, Vaisi-Raygani AA, Alibakhshi R, Eivazi A, Pourmotabbed T. Association between activity and genotypes of paraoxonase1 L₅₅M (rs854560) increases the disease activity of rheumatoid arthritis through oxidative stress. **Mol Biol Rep**. 2019; 46(1):741-749.
77. **Rahimi Z**, Najafi S, Moghohchie L, Amiri E, Vaisi-Raygani A, Rahimi Z. The Prevalence of Hemoglobinopathies in Reference Laboratory of Kermanshah, Western Iran. **Iran J Public Health**. 2019; 48 (2):359-361.
78. Yari K, **Rahimi Z***. Promoter Methylation Status of the Retinoic Acid Receptor-Beta 2 Gene in Breast Cancer Patients: A Case Control Study and Systematic Review. **Breast Care**. 2019; 14: 117–123.
79. Moradi MT, **Rahimi Z***, Vaisi-Raygani A. New insight into the role of long non-coding RNAs in the pathogenesis of preeclampsia. **Hypertens Pregnancy**. 2019; 38(1):41-51.

80. Ebrahimi A, **Rahimi Z***, Ghadami Z, Shakiba E, Rahimi Z, Akbari M, Shafiei M, Bahrehmand F, Vaisi-Raygani A, Naseri R. Association between CYP19A<G rs700518 polymorphism with acne vulgaris and its severity: Influence on sex hormones level. **IJMCM** 2019; 8 (2).
81. Kazemisafa F, Jadidian K, **Rahimi Z**, Nomani H, Ghanbari A, et al. The relationship between polymorphisms of glutathione S-transferase (GSTM1, GSTT1) gene and type 2 diabetes mellitus in Western Iran. **J Kermanshah Univ Med Sci.** 2018; 22(4): e85833.
82. Kyu HH, Abate D, Abate KH, Abay SM.... **Rahimi Z**.... Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. **Lancet.** 2018; 392(10159):1859-1922.
83. Stanaway JD, Afshin A, Gakidou E, Lim SS, Abate D, Abate KH, ... **Rahimi Z**....Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. **Lancet.** 2018; 392(10159):1923-1994.
84. Mohammadi H, Rezaei M, Amiri SM, **Rahimi Z**, Mansouri K, Khazaie H. Sleep Architecture and Hypothalamic-Pituitary-Adrenal Activity in Paradoxical and Psychophysiological Insomnia. **Basic Clin Neurosci.** 2018; 9(6):397-407.
85. Mohammadi H, Joghataei T, **Rahimi Z***, Faghihi F, Farhangdoost H. Relationship between Serum Homovanillic Acid, DRD2 C957T (rs6277), and hDAT A559V (rs28364997) Polymorphisms and Developmental Stuttering. *Journal of Communication Disorders.* 2018; 76:37-46.

86. Lotfi F, Bahrehmand F, Vaisi-Raygani A, Khodarahmi R, Tanhapour M, Kiani A, **Rahimi Z**, Pourmotabbed T. Cytochrome P450 (CYP450,2D6*A), N-Acetyltransferase-2 (NAT2*7, A) and Multidrug Resistance 1 (MDR1 3435 T) Alleles Collectively Increase Risk of Ulcerative Colitis. **Arch Iran Med.** 2018; 21(11):530-535.
87. Nomani H, Khanmohamadian H, Vaisi-Raygani A, Shakiba E, Tanhapour M, **Rahimi Z**. Chemerin rs17173608 and vaspin rs2236242 gene variants on the risk of end stage renal disease (ESRD) and correlation with plasma malondialdehyde (MDA) level. **Ren Fail.** 2018; 40(1):350-356.
88. **Rahimi Z**, Chamaie-Nejad F, Saeidi S, Rahimi Z, Ebrahimi A, Shakiba E, Vaisi-Raygani A. The Association of PPAR γ Pro12Ala and C161T Polymorphisms with Polycystic Ovary Syndrome and Their Influence on Lipid and Lipoprotein Profiles. **Int J Fertil Steril.** 2018; 12(2):147-151.
89. Rahimi Z, Lotfi S, Ahmadi A, Jalilian N, Shakiba E, Vaisi-Raygani A, **Rahimi Z***. Matrix Metalloproteinase-2 C-735T and Its Interaction with Matrix Metalloproteinase-7 A-181G Polymorphism Are Associated with the Risk of Preeclampsia: Influence on Total Antioxidant Capacity and Blood Pressure. **J Obstetrics and Gynaecology.** 2018; 38(3):327-332.
90. Tanhapour M, Miri A, Vaisi-Raygani A, Bahrehmand F, Kiani A, **Rahimi Z**, Pourmotabbed T, Shakiba E. Synergism between apolipoprotein E ϵ 4 allele and paraoxonase (PON1) 55-M allele is associated with risk of systemic lupus erythematosus. **Clin Rheumatol.** 2018; 37(4):971-977.
91. Chamaie-Nejad F, Saeidi S, Najafi F, Ebrahimi A, Rahimi Z, Shakiba E, **Rahimi Z***. Association of the CYP17 MSP AI (T-34C) and CYP19 codon 39 (Trp/Arg)

- polymorphisms with susceptibility to acne vulgaris. *Clinical and Experimental Dermatology*. 2018; 43(2):183-186.
92. Saeidi Sh, Chamaie-Nejad F, Ebrahimi A, Najafi F, Rahimi Z, Vaisi-Raygani A, Shakiba E, **Rahimi Z***. PPAR γ Pro12Ala and C161T polymorphisms in patients with acne vulgaris: Contribution to lipid and lipoprotein profile. **Advances in Medical Sciences**. 2018; 63: 147–151.
93. Rahimi Z, Zangeneh M, Rezaeyan A, Shakiba E, **Rahimi Z***. MMP-8 C-799T and MMP-8 C+17G polymorphisms in mild and severe preeclampsia: Association between MMP-8 C-799T with susceptibility to severe preeclampsia. **Clin Exp Hypertens**. 2018; 40(2):175-178.
94. Asadi S, **Rahimi Z**, Saidijam M, Shabab N, Goodarzi MT. Effects of resveratrol on FOXO1 and FOXO3a genes expression in adipose tissue, serum insulin, insulin resistance and serum SOD activity in type 2 diabetic rats. **International Journal of Molecular and Cellular Medicine**. 2018; 7 (3), 176.
95. Baniamerian H, Bahrehamand F, Vaisi-Raygani A, **Rahimi Z**, Pourmotabbed T. Angiotensin type 1 receptor A1166C polymorphism and systemic lupus erythematosus: correlation with cellular immunity and oxidative stress markers. **Lupus**. 2017; 26(14):1534-1539.
96. Mohammadi H, Joghataei MT, **Rahimi Z***, Faghihi F, Khazaie H, Farhangdoost H, Mehrpour M. Sex steroid hormones and sex hormone binding globulin levels, CYP17 MSP AI (-34T:C) and CYP19 codon 39 (Trp:Arg) variants in children with developmental stuttering. **Brain Lang**. 2017; 175:47-56.

97. **Rahimi Z**, Bozorgi M, Shakiba E. Methylenetetrahydrofolate Reductase (MTHFR) C677T and A1298C Variants, Folate Intake, and Susceptibility to Breast Cancer, **Int J Cancer Manag.** 2017; 10(11):e9528.
98. Moradi MT, Yari K, **Rahimi Z**. The *GPXI* Pro¹⁹⁸Leu polymorphism in gastric cancer patients with and without *Helicobacter pylori* infection. **Genes and Genomics.** 2017; 39:1265–1269.
99. Ghobadi F, Vaisi-Raygani A, Bahrehmand F, Tanhapour M, Kiani A, **Rahimi Z**, Pourmotabbed T. Genetic variants of pre-microRNAs A-499G(rs3746444) and T-196a2C(rs11614913) with ulcerative colitis (UC) and investigated with thiopurine-S-methyltransferase (TPMT) activity. **Clin Lab.** 2017; 63(10):1683-1690.
100. Monazzami A, Rajabi H, Ghrakhanlou R, Yari K, **Rahimi Z**. Modulation of oxidative and glycolytic skeletal muscle fibers Na⁺/H⁺ exchanger1 (NHE1) and Na⁺/HCO₃⁻ co-transporter1 (NBC1) genes and proteins expression in type 2 diabetic rat (Streptozotocin + high fat diet) following long term endurance training. **Cell Mol Biol (Noisy-le-grand).** 2017; 63(5):11-18.
101. **Rahimi Z**, Abdi H, Tanhapoor M, Rahimi Z, Vaisi-Raygani A, Nomani H. ACE I/D and MMP-7 A-181G variants in end stage renal disease (ESRD): association with hypertension and the risk of ESRD. **Mol Biol Res Commun.** 2017; 6(1):41-44.
102. Tanhapour M, Vaisi-Raygani A, Khazaei M, **Rahimi Z**, Pourmotabbed T. Cytotoxic T-lymphocyte associated antigen-4 (CTLA-4) polymorphism, cancer, and autoimmune diseases. **AIMS Medical Science.** 2017; 4 (4): 395-412.
103. **Rahimi Z**, Gravand A, Khazaie H, Mohammadi S, Rahimi Z, Vaisi-Raygani A, Shakiba E. Brain-derived neurotrophic factor Val66Met polymorphism and its synergism

with L/S polymorphism in the promoter region of serotonin transporter in bipolar I disorder patients in Western Iran. **Iran J Psychiatry Behav Sci.** 2016; 10(4): e5173.

104. **Rahimi Z.** Diabetic nephropathy: pathogenesis and Management. **J Kermanshah Univ Med Sci.** 2016; 20(3): 84-89.
105. **Rahimi Z,** Abbasi A, Rahimi Z. Functional promoter polymorphism of matrix metalloproteinase (MMP)-3 5A/6A and its interaction with MMP-7 A-181G polymorphism in multiple sclerosis. **Biharian Biologist.** 2016; 10 (2): 137-140.
106. Nomani H, Hagh-Nazari L, Aidy A, Vaisi-Raygani A, Kiani A, **Rahimi Z,** Bahrehmand F, Shakiba E, Mozaffari HR, Tavilani H, Pourmotabbed T. Association between GSTM1, GSTT1, and GSTP1 variants and the risk of end stage renal disease. **Ren Fail.** 2016.8:1-7.
107. Gholami M, Hafezian SH, Rahimi G, Farhadi A, **Rahimi Z,** Kahrizi D, Kiani S, Karim H, Vaziri S, Mohammadi S, Veisi F, Ghadiri K, Shetabi H, Zargooshi J. Allele specific-PCR and melting curve analysis showed relatively high frequency of β -casein gene A1 allele in Iranian Holstein, Simmental and native cows. **Cell Mol Biol (Noisy-le-grand).** 2016; 62(12):138-143.
108. Tanhapour M, Vaisi-Raygani A, Bahrehmand F, Khazaei M, Kiani A, **Rahimi Z,** Nomani H, Tavilani H, Pourmotabbed T. Association between the cytotoxic T-lymphocyte antigen-4 mutations and the susceptibility to systemic lupus erythematosus; Contribution markers of inflammation and oxidative stress. **Cell Mol Biol (Noisy-le-grand).** 2016; 62(12):56-61.

109. Rahimi Z, Kakabaraee K, Garavand A, **Rahimi Z***. The T allele of MTHFR c. C677T and its Synergism with COMT c. G472A allele are associated with the risk of bipolar I disorder. **Genet Test Mol Biomarkers**. 2016; 20(9):510-5.
110. **Rahimi Z**, Abdan Z, Rahimi Z, Razazian N, Shiri H, Vaisi-Raygani A, Shakiba E, Vessal M, Moradi MT. Functional promoter polymorphisms of MMP-2 C-735T and MMP-9 C-1562T and their synergism with MMP-7 A-181G in multiple sclerosis. **Immunol Invest**. 2016; 45(6):543-52.
111. Mohammadi Y, Vaisi-Raygani A, Shakiba E, Bahrehmand F, Khodarahmi R, Nemati H, **Rahimi Z**, Kiani A, Rahimi Z, Vaisi-Raygani H, Vaisi-Raygani H, Pourmotabbed T. Angiotensin II type 1 receptor A₁₁₆₆ C (rs5186) gene polymorphism increased risk and severity of psoriasis, contribution to oxidative stress, antioxidant statuses, lipid peroxidation and correlation with vascular adhesion protein 1, preliminary report. **J Eur Acad Dermatol Venereol**. 2016; 30(8):1395-7.
112. Haghazari L, Vaisi-Raygani A, Keshvarzi F, Ferdowsi F, Goodarzi M, **Rahimi Z**, Baniamerian H, Tavilani H, Vaisi-Raygani H, Vaisi-Raygani H, Pourmotabbed T. Effect of acetylcholinesterase and butyrylcholinesterase on intrauterine insemination, contribution to inflammations, oxidative stress and antioxidant status; A preliminary report. **J Reprod Infertil**. 2016; 17(3):157-62.
113. Yari K, Payandeh M, **Rahimi Z***. Association of the hypermethylation status of PTEN tumor suppressor gene with the risk of breast cancer among Kurdish population from Western Iran. **Tumor Biol**. 2016; 37:8145-52.
114. **Rahimi Z**. The role of renin angiotensin aldosterone system genes in diabetic nephropathy. **Can J Diabetes**. 2016; 40(2):178-83.

115. **Rahimi Z**, Yari K, Rahimi Z. Evaluation of MMP-7 A-181G and MMP-2 C-735T polymorphisms in healthy population from western Iran. **Cell Mol Biol** (Noisy-le-grand). 2016 Feb 4; 62(2):21-4.
116. Mozafari H, Taghikhani M, Khatami S, Alaei MR, Vaisi-Raygani A, **Rahimi Z**. Chitotriosidase activity and gene polymorphism in Iranian patients with Gaucher disease and sibling carriers. **Iran J Child Neurol**. 2016; 10(4):62-70.
117. Yari, K, Rahimi, Z, Payandeh M, **Rahimi Z***. MMP-7 A-181G Polymorphism in Breast Cancer Patients from Western Iran. **Breast Care** 2015; 10:398-402.
118. **Rahimi Z**, Gholami M, Rahimi Z, Yari K. Evaluation of beta-casein locus for detection of A1 and A2 alleles frequency using allele specific PCR in native cattle of Kermanshah, Iran. **Biharian Biologist**. 2015; 9; 85-87.
119. Moradzadegan A, Vaisi-Raygani A, Nikzamir A, **Rahimi Z**. Angiotensin converting enzyme insertion/deletion (I/D) (rs4646994) and Vegf polymorphism (+405G/C; rs2010963) in type II diabetic patients: Association with the risk of coronary artery disease. **J Renin-Angiotensin-Aldosterone System**. 2015; 16:672-80.
120. Moradi M, **Rahimi Z***, Amiri S, Rahimi Z, Vessal M, Nasri H. AT1R A1166C variants in patients with type 2 diabetes mellitus and diabetic nephropathy. **J Nephrothol**. 2015; 4:69-76.
121. Bahrehmand F, Vaisi-Raygani A, Kiani, A, **Rahimi Z**, Tavilani H, Ardalan M, Vaisi-Raygani H, Shakiba E, Pourmotabbed T. Matrix metalloproteinase 9 polymorphisms and systemic lupus erythematosus: Correlation with systemic inflammatory markers and oxidative stress. **Lupus**. 2015; 24(6): 597-605.

122. Mohammadi F, Rahimi Z, **Rahimi Z***. The association between matrix metalloproteinase-7 A-181G polymorphism and the risk of relapsing-remitting multiple sclerosis in Iranian Kurdish patients from Kermanshah. **Avicenna J Med Biochem** 2015; 3: e25084.
123. Mohammadi S, Khazaie H, Rahimi Z, Vaisi-Raygani A, Zargooshi N, **Rahimi Z***. The Serotonin transporter (5-HTTLPR) but not serotonin receptor (5-HT2C Cys23Ser) variant is associated with bipolar I disorder in Kurdish Population from Western Iran. **Neurosci Lett**. 2015; 590: 91-5.
124. Moradi MT, Yari K, **Rahimi Z**, Kazemi E, Shahbazi M. Manganese superoxide dismutase (MnSOD Val-9Ala) gene polymorphism and susceptibility to gastric cancer. **Asian Pac J Cancer Prev**. 2015; 16:485-8.
125. **Rahimi Z**, Yari K, Rahimi Z. Matrix Metalloproteinase-9 -1562T Allele and Its Combination with MMP-2 -735 C allele are risk factors for breast cancer. **Asian Pac J Cancer Prev**. 2015; 16:1175-9.
126. **Rahimi Z**, Kasraei R, Najafi F, et al. Cancer notification at a Referral Hospital of Kermanshah, Western Iran (2006-2009). **Asian Pac J Cancer Prev**. 2015; 16: 133-137.
127. Rahimi Z, Kazemian L, Malek-Khosravi S, Najafi F, **Rahimi Z***. Matrix metalloproteinase-7 A-181G and its interaction with matrix metalloproteinase-9 C-1562T polymorphism in preeclamptic patients: Association with malondialdehyde level and severe preeclampsia. **Archives Gynecol Obstet**. 2015; 291:45-51.
128. Shahmohamdnejad S, Vaisi-Raygani A, Shakiba Y, Kiani A, **Rahimi Z**, Pourmotabbed T. Association between butyrylcholinesterase activity and phenotypes, paraoxonase192 rs662 gene polymorphism and their enzymatic activity with severity of

rheumatoid arthritis: Correlation with systemic inflammatory markers and oxidative stress, preliminary report. **Clin Biochem.** 2015; 48:63-9.

129. **Rahimi Z**, Mohammadi F, Rahimi Z, Razazian N, Najafi F. Association of Matrix Metalloproteinase-7A-181G Variants with the Risk of Multiple Sclerosis. **Per Med.** 2014; 11:727-733.
130. **Rahimi Z**, Moradi MR, Nasri H. A systematic review of the role of rennin angiotensin aldosterone system genes in diabetes mellitus. **J Res Med Sci.** 2014; 19:1090-1098.
131. Asefi M, Vaisi-Raygani A, Khodarahmi R, Nemati H, **Rahimi Z**, Vaisi-Raygani H, Tavilani H, Pourmotabbed T. Methyltetrahydrofolate reductase (rs1801133) polymorphism and psoriasis: contribution to oxidative stress, lipid peroxidation and correlation with vascular adhesion protein 1, preliminary report. **J Eur Acad Dermatol Venereol.** 2014; 28(9):1192-8.
132. Shahvaisizadeh F, Movafagh A, Omrani MD, Vaisi-Raygani A, Rahimi Z, **Rahimi Z***. Synergistic effects of angiotensinogen -217 G: A and T704C (M235T) variants on the risk of severe preeclampsia. **J Renin-Angiotensin-Aldosterone System** 2014; 15:156-161.
133. Zargooshi J, Nourizad S, Vaziri S, Nikbakht MR, Almasi A, Ghadiri K, Bidhendi S, Khazaie H, Motae H, Malek-Khosravi S, Farshchian N, Rezaei M, **Rahimi Z**, Khalili R, Yazdaani L, Najafinia K, Hatam M. Hemospermia: long-term outcome in 165 patients. **Int J Impot Res.** 2014; 26:83-86.

134. **Rahimi Z**, Rahimi Z, Aghaei A, Vaisi-Raygani A. AT2R -1332 G: A polymorphism and its interaction with AT1R 1166 A:C, ACE I/D and MMP-9 -1562 C: T polymorphisms: Risk factors for susceptibility to preeclampsia. **Gene**. 2014; 538:176-81.
135. Bahrehmand F, Vaisi-Raygani A, **Rahimi Z**, Ahmadi R, Kiani A, Tavilani H, Vaisi-Raygani H, Pourmotabbed T. Synergistic effects of BuChE non-UU phenotype and paraoxonase (PON1) 55 M allele on the risk of systemic lupus erythematosus: influence on lipid and lipoprotein metabolism and oxidative stress, preliminary report. **Lupus**. 2014; 23:263-272.
136. Payandeh M, **Rahimi Z**, Zare ME, Kansestani AN, Gohardehi F, Hashemian AH. The prevalence of anemia and hemoglobinopathies in the hematologic clinics of the Kermanshah province, Western Iran. **Int J Hematol Oncol Stem Cell Res**. 2014; 8:33-37.
137. **Rahimi Z**. Parathyroid hormone, glucose metabolism and diabetes mellitus. *Journal of Parathyroid Disease*. 2014; 307: 55-56.
138. Yari K, Rahimi Z, Moradi MT, **Rahimi Z***. The MMP-2-735 C allele is a risk factor for susceptibility to breast cancer. **Asian Pac J Cancer Prev**. 2014; 15: 6199-6203.
139. Rezvani A, Vaisi-Raygani A, **Rahimi Z**, Ghanbari N, Dinarvand G. The relationship between serum levels of thyroid hormones (T3, T4), thyroid-Stimulating hormone (TSH) and serum lipid profile. **Journal of Kermanshah University of Medical Sciences**. 2013; 17 (9): e74340.
140. **Rahimi Z**, Ahmadi R, Vaisi-Raygani A, Rahimi Z, Bahrehmand F, Parsian A. Butyrylcholinesterase (BChE) activity is associated with the risk of preeclampsia: influence on lipid and lipoprotein metabolism and oxidative stress. **J Matern Fetal Neonatal Med**. 2013; 26:1590-1594.

141. **Rahimi Z**, Aghaei A, Rahimi Z, Vaisi-Raygani A. Endothelial Nitric Oxide synthase (eNOS) 4a/b and G894T Polymorphisms and Susceptibility to Preeclampsia. **J Reproduction & Infertility**. 2013; 14:184-189.
142. Vaisi-Raygani A, Tavilani H, Vaisi-Raygani H, **Rahimi Z**, Karimi J, Pourmotabbed T 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): 23-29.
143. **Rahimi Z**. Genetic epidemiology, hematological and clinical features of hemoglobinopathies in Iran. **BioMed Res Int**. 2013; 2013:1-10.
144. **Rahimi Z**, Rahimi Z, Mozafari H, Parsian A. Preeclampsia and angiotensin converting enzyme (ACE) I/D and angiotensin II type-1 receptor (AT1R) A1166C polymorphisms: Association with ACE I/D polymorphism. **J Renin AngiotensinAldosterone Syst**. 2013; 14:174-80.
145. **Rahimi Z**, Rahimi Z, Omid Shamsavandi M, Bidoki K, Rezaei M. Matrix metalloproteinase 9 (-1562 C: T) polymorphism as a biomarker of susceptibility to severe preeclampsia. **Biomark Med**.2013; 7: 93-98.
146. **Rahimi Z**, Rahimi Z, Shahvaisi-Zadeh F, Sadeghei S, Vessal M, Yavari N. eNOS 4a/b polymorphism and its interaction with eNOS G894T variants in type 2 diabetes mellitus: Modifying the risk of diabetic nephropathy. **Dis Markers**. 2013 1; 34(6):437-43.
147. **Rahimi Z**, Rahimi Z, Akramipour R. Prothrombin G20210A mutation is not a risk factor for pediatric acute lymphoblastic leukemia in Western Iran. **Middle East J Cancer** 2013; 4: 139-143.

148. Payandeh M, **Rahimi Z**, Kansestani AN, Hemmati S, Aleyasin M, Zare ME, Nouri Z, Hashemian AH, Gohardehi F. Clinical features and types of Von Willebrand disease in women with menorrhagia referred to Hematology Clinic of Kermanshah. **International J Hematol Oncol & Stem Cell Res.** 2013; 7: 1-5.
149. Bahrehmand F, Vaisi-Raygani A, Ahmadi R, Kiani A, Rahimi Z, Tavilani H, Pourmotabbed T. Paraoxonase (PON1) 55 polymorphism and association with systemic lupus erythematosus. **Iran J Allergy Asthma Immunol** 2013; 12: 211-219.
150. **Rahimi Z**, Mansouri Zaveleh O, Rahimi Z, Abbasi A. AT2R-1332 G: A polymorphism and diabetic nephropathy in type 2 diabetes mellitus patients. **J Ren Inj Prev** 2013; 2: 97-101.
151. **Rahimi Z**, Malek-Khosravi Sh, Rahimi Z, Jalilvand F, Parsian A. MTHFR C677T and eNOS G894T variants in preeclamptic women: Contribution to: lipid peroxidation and oxidative stress. **Clin Biochem.** 2013; 46: 143-147.
152. Asefi M, Vaisi-Raygani A, Bahrehmand F, Kiani A, **Rahimi Z**, Nomani H, Ebrahimi A, Tavilani H, Pourmotabbed T. Paraoxonase (PON1) 55 polymorphism, lipid profiles and psoriasis. **British J Dermatol.** 2012, 167:1279-1286.
153. **Rahimi Z**, Azhar MR, Rahimi Z, Yari K. Interaction of thymidylate synthase polymorphism with MTHFR variants modify the risk of childhood acute lymphoblastic leukemia. **Biharian Biologist.** 2012; 6: 87-89.
154. **Rahimi Z**, Nourozi-Rad R, Rahimi Z, Parsian A. Strong Interaction between T allele of endothelial nitric oxide synthase with B1 allele of cholesteryl ester transfer protein TaqIB highly elevate the risk of coronary artery disease and type 2 diabetes mellitus **J Hum Genomics** 2012; 6: 20.

155. Ahmadi R, **Rahimi Z***, Vaisi-Raygani A, Kiani A, Jalilian N, Rahimi, Z. Apolipoprotein E genotypes, lipid peroxidation and antioxidant status among mild and severe preeclamptic women from Western Iran: Protective role of apolipoprotein ε2 allele in severe preeclampsia. **Hypertension in Pregnancy**. 2012; 31: 405-418.
156. **Rahimi Z**. ACE insertion/deletion (I/D) polymorphism and diabetic nephropathy. *J Nephropathology*. 2012; 1: 143-151.
157. Yari K, **Rahimi Z***, Felehgari V, Amouzadeh AH, Rahimi M, Vaisi-Raygani A. The study of relationship between MTHFR C677T and ACE I/D variants and the risk of diabetic nephropathy in type 2 diabetes mellitus. **Journal of Kermanshah University of Medical Sciences**. 2012; 16 (3):220-226.
158. French VM, van de Laar IM, Wessels MW, Rohe C, Roos-Hesselink JW, Wang G, Frohn-Mulder IM, Severijnen LA, de Graaf BM, Schot R, Breedveld G, Mientjes E, van Tienhoven M, Jadot E, Jiang Z, Verkerk A, Swagemakers S, Venselaar H, **Rahimi Z**, Najmabadi H, Meijers-Heijboer H, de Graaff E, Helbing WA, Willemsen R, Devriendt K, Belmont JW, Oostra BA, Amack JD, Bertoli-Avella AM. NPHP4 variants are associated with pleiotropic heart malformations. **Circ Res**. 2012; 110:1564-1574.
159. Bahreghmand F, Vaisi-Raygani A, Kiani A, **Rahimi Z**, Tavilani H, Navabi S, Shakiba E, Hasanzadeh N, Pourmotabbed T. Matrix metalloproteinase-2 functional promoter polymorphism G1575A is associated with elevated circulatory MMP-2 level and increased risk of cardiovascular disease in systemic lupus erythematosus patients. **Lupus**. 2012; 21: 616-624.

160. **Rahimi Z**, Hasanvand A, Fellehgary V. Interaction of MTHFR 1298C with ACE D allele augments the risk of diabetic nephropathy in Western Iran. **DNA Cell Biol.** 2012; 31; 553-559.
161. Azhar MA, **Rahimi Z***, Vaisi-Raygani MA, Akramipour R, Madani H, Rahimi Z, Parsian A. Lack of association between MTHFR C677T and A1298C polymorphisms and risk of childhood acute lymphoblastic leukemia in the Kurdish population from Western Iran. **Genet Test Mol Biomarkers.** 2012; 16: 198-202.
162. Vaisi-Raygani A, **Rahimi Z**, Tavilani H, Vaisi-Raygani H, Kiani A, Aminian M, Shakiba E, Shakiba Y, Pourmotab T. Synergism between paraoxonase Arg 192 and the angiotensin converting enzyme D allele is associated with severity of coronary artery disease. **Mol Biol Rep.** 2012; 39: 2723-2731.
163. **Rahimi Z**, Ahmadian Z, Akramipour R, Vaisi-Raygani A, Rahimi ^Z, Parsian A. Thymidylate synthase and methionine synthase polymorphisms are not associated with susceptibility to childhood acute lymphoblastic leukemia in Kurdish population from Western Iran. **Mol Biol Rep.** 2012; 39:2195-2200.
164. **Rahimi Z**, Nourozi-Rad A. Association of endothelial nitric oxide synthase gene variant (G894T) with coronary artery disease in Western Iran. **Angiology.** 2012; 63:131-137.
165. **Rahimi Z**, Vaisi-Raygani A, Rahimi Z, Parsian A. The Concomitant Presence of eNOS 894T and ACE D Alleles Are Associated with Diabetic Nephropathy in Kurdish Population from Western Iran. **Nephrology.** 2012; 17: 175-181.
166. Payandeh M, Yousefi H, Zare MF, Nasir-Kansestani A, **Rahimi Z**, Pourmand D, Hashemian AH, Aeinfar M, Aeinfar M, Shaveisi-Zadeh F. Frequency of hereditary

- coagulation risk factors in deep vein thrombosis patients referred to Iranian Blood Transfusion Organization, Kermanshah. **International J Hematol Oncol & Stem Cell Res** 2012; 6:16-21.
167. Malek-Khosravi Sh, **Rahimi Z***, Rahimi Z, Jalilvand F, Parsian A. Thrombophilic Mutations and Susceptibility to Preeclampsia in Western Iran. **J Thromb Thrombolysis**. 2012; 33: 109-115.
168. **Rahimi Z**, Rahimi Z, Akramipour R, Mozafari H, Yari K, Golpaygani MR, Shahriari-Ahmadi A. Association of factor V Leiden mutation with pediatric acute lymphoblastic leukemia in Kermanshah Province. **International J Hematol Oncol & Stem Cell Res**. 2012; 6: 26-31.
169. Saedi M, Vaisi-Raygani A, Khaghani S, Shariftabrizi A, Rezaie M, Pasalar P. **Rahimi Z**, Pourmotabbed T. Matrix metalloproteinase-9 functional promoter polymorphism 1562C>T increased risk of early-onset coronary artery disease. **Mol Biol Rep**. 2012; 39:555-562.
170. Vaisi-Raygani A, Ghaneialvar H, **Rahimi Z**, Tavilani H, Pourmotabbed T, Shakiba E, Vaisi-Raygani A, Kiani A, Aminian M, Alibakhshi R, Bartels C. Paraoxonase Arg 192 allele is an independent risk factor for three-vessel stenosis of coronary artery disease. **Mol Biol Rep**. 2011; 38:5421-5428.
171. **Rahimi Z**, Nourozi-Rad R, Vaisi-Raygani A, Saidi MR, Rahimi Z, Ahmadi R, Yarani R, Hamzehee K, Parsian A. Association between cholesteryl ester transfer protein TaqIB variants and risk of coronary artery disease and diabetes mellitus in the population of Western Iran. **Genet Test Mol Biomarkers**. 2011; 15: 813-819.

172. Nomani H, Mozafari H, Ghobadloo SM, **Rahimi Z**, Raygani AV, Rahimi MA, Haghi AF, Keshavarz AA. The association between GSTT1, M1, and P1 polymorphisms with coronary artery disease in Western Iran. **Mol Cell Biochem.** 2011; 354: 181-187.
173. Jafari Y, **Rahimi Z***, Vaisi-Raygani A, Rezaei M. Interaction of eNOS polymorphism with MTHFR variants increase the risk of diabetic nephropathy and its progression in type 2 diabetes mellitus patients. **Mol Cell Biochem.** 2011; 353: 23-34.
174. Nemati H, Bahrami G, **Rahimi Z**. Rapid separation of human globin chains in normal and thalassemia patients by RP-HPLC. **Mol Biol Rep.** 2011; 38: 3213-3218.
175. Madani H, **Rahimi Z***, Manavi-Shad M, Mozafari H, Akramipour R, Vaisi-Raygani A, Rezaei M, Malek-Khosravi Sh, Shakiba E, Parsian A. Plasma lipids and lipoproteins in children and young adults with major β -thalassemia from Western Iran: Influence of genotype. **Mol Biol Rep.** 2011; 38: 2573-2578.
176. **Rahimi Z**, Felehgari V, Rahimi M, Mozafari H, Yari K, Vaisi-Raygani A, Rezaei M, Malek-Khosravi Sh, Khazaie H. The frequency of factor V Leiden mutation, ACE gene polymorphism, serum ACE activity and response to ACE inhibitor and angiotensin II receptor antagonist drugs in Iranians type II diabetic patients with microalbuminuria. **Mol Biol Rep.** 2011; 38: 2117-2123.
177. **Rahimi Z**, Vaisi-Raygani A, Pourmotaabed T. Association between apolipoprotein ϵ 4 allele, factor V Leiden, and plasma lipid and lipoprotein levels with sickle cell disease in Southern Iran. **Mol Biol Rep.** 2011; 38: 703-710.
178. Payandeh M, Zare ME, Mansouri K, **Rahimi Z**, hashemian AH, Soltanian E, Yousefi H. Protein C and S deficiency in deep vein thrombosis patients referred to Iranian

blood transfusion organization, Kermanshah **International J Hematol Oncol & Stem Cell Res** 2011; 5:5-8.

179. **Rahimi Z**, Parsian A. Sickle cell disease and venous thromboembolism. **Mediterr J Hematol Infect Dis**. 2011; 3: e2011024 DOI 10.4084.
180. Felehgari V, **Rahimi Z***, Mozafari H, Vaisi-Raygani A. ACE gene polymorphism and serum ACE activity in Iranians type II diabetic patients with macroalbuminuria. **Mol Cell Biochem**. 2011; 346: 23-30.
181. Rahimi M, Hasanvand A, **Rahimi Z***, Vaisi-Raygani A, Mozafari H, Rezaei M, Zargooshi J, Najafi F, Shakiba E. Synergistic Effects of the MTHFR C677T and A1298C polymorphisms on the increase risk of micro- and macro-albuminuria and progression of diabetic nephropathy among Iranians with type 2 diabetes mellitus. **Clin Biochem**. 2010; 43: 1333-1339.
182. Vaisi-Raygani A, Ghaneialvar H, **Rahimi Z**, Nomani H, Saiedi M, Bahrehmand F, Tavilani H, Pourmotabbed T. The angiotensin converting enzyme D allele is an independent risk factor for early onset coronary artery disease. **Clin Biochem**. 2010; 43: 1189-1194.
183. Norouzi Rad R, **Rahimi Z***, Nomani H, Saeidi, Rezaei. Evaluation of Glu298Asp polymorphism of the endothelial nitric oxide synthase gene and its relationship with coronary artery disease and type II diabetes mellitus with/without CAD in Kermanshah. **Scientific Medical Journal**. 2010; 9 (4).1-8.
184. **Rahimi Z**, Mozafari H, Amiri Bigvand AH, Doulabi RM, Vaisi-Raygani A, Afshari D, Razazian N, Rezaei M. Cerebral venous and sinus thrombosis and

- thrombophilic mutations in Western Iran: Association with factor V Leiden. **Clin Appl Thromb Hemost.** 2010; 16: 430-434.
185. **Rahimi Z**, Mozafari H, Shariari-Ahmadi A, Alimogaddam K, Ghavamzadeh A, Aznab M, Mansouri K, Rezaei M, Parsian A. Deep venous thrombosis and thrombophilic mutations in Western Iran: Association with factor V Leiden. **Blood Coagul Fibrinolysis.** 2010; 21: 385-388.
186. Vaisi-Raygani A, **Rahimi Z**, Tavilani H, Pourmotaabed A. Butyrylcholinesterase K variant and the APOE-epsilon4 allele work in synergy to increase the risk of coronary artery disease especially in diabetic patients. **Mol Biol Rep.** 2010; 37: 2083-2091.
187. Nemati H, **Rahimi Z**, Bahrami G. The Xmn1 polymorphic site 5' to the $G\gamma$ gene and its correlation to the $G\gamma:A\gamma$ ratio, age at first blood transfusion and clinical features in β -thalassemia patients from Western Iran. **Mol Biol Rep.** 2010; 37: 159-164.
188. **Rahimi Z**, Ahmadian Z, Akramipour R, Madani H, Mozafari H, Vaisi-Raygani A, Shahriari-Ahmadi A. Thymidilate synthase and methionine synthase polymorphisms in children with acute lymphoblastic leukemia in Western Iran. **International J Hematol Oncol & Stem Cell Res** 2010; 4: 9-12.
189. **Rahimi Z**, Muniz A, Parsian A. Detection of responsible mutations for beta thalassemia in the Kermanshah Province of Iran using PCR-based techniques. **Mol Biol Rep.** 2010; 37: 149-154.
190. **Rahimi Z**, Muniz A, Mozafari H. Abnormal Hemoglobins among Kurdish Population of Western Iran: Hematological and Molecular Features. **Mol Biol Rep.** 2010; 37: 51-57.

191. Mozafari H, **Rahimi Z**, Heidarpour A, Fallahi M, Muniz A. The prevalence of factor V Leiden, prothrombin G20210A and methylenetetrahydrofolate reductase C677T among G6PD deficient individuals from Western Iran. **Mol Biol Rep.** 2009, 36: 2361-2364.
192. **Rahimi Z**, Nomani H, Mozafari H, Vaisi-Raygani, Madani H, Malek-Khosravi Sh, Parsian A. Factor V G1691A, prothrombin G20210A and methylenetetrahydrofolate reductase C677T polymorphism are not associated with coronary artery disease and type 2 diabetes mellitus in Western Iran. **Blood Coagulation & Fibrinolysis.** 2009; 20: 252-256.
193. Akramipour R, Zargooshi J, **Rahimi Z**. Infant with concomitant presence of hernia/hydrocele and primary paratesticular neuroblastoma: a diagnostic and therapeutic challenge. **J Pediatr Hematol Oncol.** 2009, 31:349.
194. **Rahimi Z**, Muniz A, Akramipour R, Tofieghzadeh F, Mozafari H, Vaisi-Raygani A, Parsian A. Haplotype analysis of beta thalassemia in Western Iran. **Blood Cells Mol & Dis.** 2009, 42:140-143.
195. Bahrami G, Masoumi M, **Rahimi Z**. Co-existence of fatty acids changes in aorta artery and adipose tissue; comparison between CAD and non CAD patients. **J Thromb Thrombolysis.** 2009; 27: 185-190.
196. Vaisi-Raygani A, Tavilani H, **Rahimi Z**, Zahrai M, Sheikh N, Aminian M, Pourmotaabed T. Serum butyrylcholinesterase activity and phenotype associations with lipid profile in stroke patients. **Clin Biochem.** 2009,42:210-214.
197. Akramipour R, Rezaei M, **Rahimi Z***, Prevalence of iron deficiency anemia among adolescent school girls from Kermanshah, Western Iran. **Hematology.** 2008, 13:352-355.

198. **Rahimi Z**, Ghaderi M, Nagel RL, Muniz A. Prevalence of thrombotic risk factors among β -thalassemia patients from Western Iran. **J Thromb Thrombolysis**. 2008; 26: 229-233.
199. Kharrazi H, Vaisi Raygani A, **Rahimi Z**, Tavilani H, Amminian M, Pourmotabbed T. Association between enzymatic and non enzymatic antioxidant defense mechanism with apolipoprotein E genotypes in Alzheimer disease. **Clin Biochem**. 2008; 41: 932-936.
200. **Rahimi Z**, Vaisi-Raygani A, Mozafari H, Kharrazi H, Rezaei M, Nagel RL. Prevalence of Factor V Leiden (G1691A) and prothrombin (G20210A) among Kurdish population from Western Iran. **J Thromb Thrombolysis**. 2008, 25: 280-283.
201. **Rahimi Z**, Vaisi-Raygani A, Nagel RL, Muniz A. Thrombophilic mutations among Southern Iranian Patients with Sickle Cell Disease: High prevalence of factor V Leiden. **J Thromb Thrombolysis**. 2008, 25: 288-292.
202. Nemati H, **Rahimi Z**, Bahrami GH, Nomani H, Rezaei M. The XmnI Polymorphic Site at 5'to G γ Gene and its Correlation to the HbF Level and G γ : A γ Ratio in β -Thalassemia the Major and the Intermediate Patients from Kermanshah. **Journal of Kermanshah University of Medical Sciences**. 2008; 11 (4).
203. Vaisi-Raygani A, **Rahimi Z**, M Zahraie, M Noroozian, Pourmotaabed A. Association between enzymatic and non-enzymatic antioxidant defence with Alzheimer disease. **Acta Medica Iranica**. 2008, 46:11-16.
204. **Rahimi Z**, Vaisi Raygani A, Siabani S, Mozafari H, Nagel RL, Muniz A. Prevalence of Glucose-6-Phosphate Dehydrogenase Deficiency among School Boys in Kermanshah, Iran. **East Med Health J**. 2008; 14: 978-979.

205. Vaisi-Raygani A, **Rahimi Z**, Entezami H, Kharrazi H, Bahrhemand F, Tavilani H, Rzaei M, Kiani A, Nomanpour B, Pourmotabbed T. Butyrylcholinesterase K variants increase the risk of coronary artery disease in the population of western Iran. **Scand J Clin Lab Invest.** 2007; 12:1-11.
206. **Rahimi Z**, Rezaei M, Nagel RL, Muniz A. Molecular and hematological analysis of Hb Q-Iran and Hb Setif in Iranian families. **Arch Iran Med.** 2008; 11: 382-386.
207. Vaisi-Raygani A, Kharrazi H, **Rahimi Z**, Pourmotaabed T. Frequencies of apolipoprotein E polymorphism in healthy Kurdish population from Kermanshah, Iran. **Hum Biol.** 2007; 79: 579-587.
208. Vaisi- Raygani A; **Rahimi Z**, Nomani H, Tavilani H, Pourmotabbed T. The presence of apolipoprotein $\epsilon 4$ and $\epsilon 2$ alleles augments the risk of coronary artery disease in Type 2 diabetic patients. **Clin Biochem.** 2007; 40:1150-1156.
209. **Rahimi Z**, Akramipour R, Vaisi-Raygani A, Nagel RL, Muniz A. An Iranian Child with HbQ-Iran [$\alpha 75$ (EF4) Asp \rightarrow His] /- $\alpha^{3.7kb}$ / IVSII.1 G \rightarrow A: First Report. **J Pediatr Hematol Oncol.** 2007; 29:649-651.
210. Vaisi Raygani A, **Rahimi Z**, Kharrazi H, Tavilani H, Pourmotabbed T. Determination of butyrylcholinesterase (BCHE) phenotypes to predict the risk of prolonged apnea in persons receiving succinylcholine in healthy population of Western Iran. **Clin Biochem.** 2007; 40:629-633.
211. Vaisi-Raygani A, **Rahimi Z**, Zahraie M, Noroozian M, Pourmotabbed A. Enzymatic and non-enzymatic antioxidant defence with Alzheimer disease. **Acta Medica Iranica.** 2007; 271-276.

212. **Rahimi Z**, Vaisi-Raygani A, Merat A, Haghshenass M, Rezaei M. Level of Hb F and G_{γ} gene expression in sickle cell disease and their association with haplotype and XmnI polymorphic site in South of Iran. **Ir J Med Sci.** 2007, 32 (4): 234-239.
213. **Rahimi Z**, Merat A, Gerard N, Krishnamoorthy R, Nagel RL. Implications of the genetic epidemiology of globin haplotypes linked to the sickle gene in Southern Iran. **Hum Biol.** 2006; 78:719-731.
214. Vaisi Raygani A, **Rahimi Z**, Kharazi H, Tavilani H, Pourmotabbed T. Association between apolipoprotein E polymorphism and serum lipid and apolipoprotein levels with Alzheimer's disease. **Neuroscience lett.** 2006; 408:68-72.
215. **Rahimi Z**, Vaisi-Raygani A, Nagel RL, Muniz A. Molecular characterization of glucose-6-phosphate dehydrogenase deficiency in the Kurdish population of Western Iran. **Blood Cells, Mol Dis** 2006; 37: 91-94.
216. **Rahimi Z**, Akramipour R, Korani S, Nagel RL. Hb D-Punjab [beta 121 (GH4) Glu->Gln]/beta (0)-thalassemia [IVSII.1 (G->A)] in two cases from an Iranian family: First report. **Am J Hematol.** 2006; 81(4): 302-3.
217. **Rahimi Z**, Merat A, Haghshenass M, Madani H, Rezaei M, Nagel RL. Plasma lipids in Iranians with sickle cell disease: hypocholesterolemia in sickle cell anemia and increase of HDL-cholesterol in sickle cell trait. **Clin Chim Acta.** 2006; 365(1-2):217-20.
218. Bahrami G, Ganbarian L, Masoumi M, **Rahimi Z**, Rezwan Madani F. Comparison of fatty acid profiles of aorta and internal mammary arteries in patients with coronary artery disease. **Clin Chim Acta.** 2006; 370:143-146.

219. **Rahimi Z**, Vaisi Raygani A, Merat A, Haghshenass M, Gerard N, Nagel RL, Krishnamoorthy R. Thalassemic mutations in Southern Iran. **Ir J Med Sci**. 2006; 31:70-73.
220. **Rahimi Z**, Akramipour R, Nagel RL, Ahmadi AS, Merat A, Bahrehmand F. The beta-globin gene haplotypes associated with Hb D-Los Angeles [β 121(GH4)Glu --> Gln] in Western Iran. **Hemoglobin**. 2006; 30 (1):39-44.
221. Bahrami G, **Rahimi Z**. Fatty acid composition of human milk in Western Iran. **Eur J Clin Nutr**. 2005; 59(4): 494-7.
222. **Rahimi Z**, Merat A, Akhzari M, Haghshenass M, Nagel RL, Gerard N, Krishnamoorthy R. β -Globin Gene Cluster Haplotypes in Iranian Patients with β -Thalassemia. **International J Hematol Oncol**. 2005; 2 (6): 30-34.
223. **Rahimi Z**, Karimi M, Haghshenass M, Merat A. Beta-globin gene cluster haplotypes in sickle cell patients from southwest Iran. **Am J Hematol**. 2003 74:156-60.
224. Bahrami GH, **Rahimi Z**, Maesomi M. Comparison of Adipose tissue fatty acid in CAD and non-CAD patients. **Journal of Kerman University of Medical Sciences**. 1999; 6 (1): 1-6

***Indicates Dr. Rahimi has been the corresponding author of the paper.**

Conference abstract

1. Z Rahimi, H Mozafari, A Vaisiraygani, RI Nagel, A Muniz. Prevalence of factor V Leiden (G1691A) and prothrombin (G20210A) among healthy population from western Iran. Conference: Haematologica-The Hematology Journal. 2007, 92: 446-447
2. Rahimi Z, Mozafari H, Rezaei M, Nagel RL, Muniz A. Factor V G1691A and prothrombin G20210A in angiographically documented coronary artery disease patients with and without type 2 diabetes mellitus. Conference: Haematologica-The Hematology Journal. 2007; 92:354-355
3. Z Rahimi, H Mozafari, M Rezaei, RL Nagel, A Muniz. Factor V-leiden and prothrombin G20210 mutations among Iranian patients with sickle cell. Conference: Haematologica-The Hematology Journal. 2007; 92:429
4. A Vaisiraygani, H Kharrazi, Z Rahimi, AA Vaisiraygani. P. 151 Association between enzymatic and non enzymatic antioxidant defense mechanism with apolipoprotein ε genotypes in Alzheimer disease. Clinical Neurology and Neurosurgery. 2008.110: S41
5. AA Vaisiraygani, A Vaisiraygani, H Kharrazi, Z Rahimi. P. 149 Association between apolipoprotein E polymorphism and Alzheimer disease in Tehran, Iran. Clinical Neurology and Neurosurgery. 2008. 110. S40
6. H Kharrazi, A Vaisiraygani, Z Rahimi, AA Vaisiraygani. P. 150 Association between apolipoprotein E polymorphism and serum lipid and apolipoprotein levels with Alzheimer's disease. Clinical Neurology and Neurosurgery. 2008; 110: S40-41
7. Z Rahimi, H Mozafari, A Amiri Bigvand, R Mohammad Doulabi, N Razazian, D Afshari, M Rezaei. Association between factor V Leiden mutation and cerebral venous thrombosis in Western Iran. Conference: Haematologica-The Hematology Journal. 2008; 93:344

8. Z Rahimi, H Mozafari, RL Nagel, A Muniz. Spectrum of beta-thalassemia mutations in the Kermanshah Province of Iran. 2008; 93:403
9. A Vaisi-Raygani, Z Rahimi, H Tavilani, AA Vaisi-Raygani, S Gharb. Butyrylcholinesterase-K Variant and APOE-ε4 Allele Work in Synergy to Increase Risk of Coronary Artery Disease. Conference. Heart, Lung and Circulation. 2009; 18: S79-S80
10. Z Rahimi, H Mozafari, K Mansouri, A Shahriari, M Aznab, M Rezaei, K Ali-Moghadam. Prevalence of factor V Leiden, prothrombin G20210A and MTHFR C677T mutations in deep venous thrombosis patients from Western Iran. Conference. Haematologica-The Hematology Journal. 2009; 94:666
11. Z Rahimi, H Mozafari. Haplotype analysis of B thalassemia patients in Western Iran Conference. Haematologica-The Hematology Journal. 2009; 94:500
12. Z Rahimi, Z Rahimi, H Mozafari, K Yari, A Vaisi-Raygani. Association of thrombophilic mutations with pediatric acute lymphoblastic leukemia in Western of Iran. Clinical Biochemistry. 2011; 44 (13): S283
13. E Shakiba, Z Rahimi, H Madani, M Manavi-Shad, R Akramipour, A Vaisi-Raygani. Plasma lipids and lipoproteins in children and young adults with major β-thalassemia from western Iran: Influence of genotype. Congress presentation. Clinical Biochemistry. 2011; 44 (13): S144
14. Z Rahimi, R Nourozi-Rad, A Vaisi-Raygani, MR Saidi, Z Rahimi, A Parsian. Association between cholesteryl ester transfer protein taqIB variants and risk of coronary artery disease in population of west of Iran. Clinical Biochemistry. 2011; 44 (13): S282

15. Z Rahimi, Z Ahmadian, R Akramipour, H Madani, A Vaisi-Raygani, H Mozafari, A Shahriari-Ahmadi. Thymidilate synthase and methionine synthase polymorphisms in children with acute lymphoblastic leukemia from Iran. *Clinical Biochemistry*. 2011; 44 (13): S197
16. E Shakiba, V Felehgari, M Rahimi, Z Rahimi, A Vaisi-Raygani, Mozafari Hadi, K Yari, Z Rahimi. The frequency of factor V Leiden mutation, ACE gene polymorphism, serum ACE activity and response to ACE inhibitor and angiotensin II receptor antagonist drugs in Iranians type ... *Clinical Biochemistry*. 2011; 44 (13):S50
17. V French, I Van de Laar, M Wessels, C Rohe, J Roos-Hesselink, I Frohn-Mulder, LA Severijnen, G Wang, R Schot, G Breedveld, E Mientjes, M Van Tienhoven, E Jadot, Z Jiang, A Verkerk, S Swagemakeers, H Venselaar, Z Rahimi, H Najmabadi, H Meijers-Heijboer, E De Graaff, W Helbing, R Willemsen, Koenraad Devriendt, J Belmont, B Oostra, J Amack, A Bertoli-Avella. NPHP4 Variants are Associated with Congenital Heart Malformations and Heterotaxy. The 12th International Congress of Human Genetics and the American Society of Human Genetics. *Proceedings*. 2011: 229
18. Z Rahimi, R Nourozi-Rad. Association of endothelial nitric oxide synthase gene variant (G894T) with coronary artery disease in Western Iran. *Clinical Biochemistry*. 2011; 44 (13): S283
19. Z Rahimi, Y Jafari, A Vaisi-Raygani, M Rezaei. Interaction of eNOS polymorphism with MTHFR variants increases the risk of diabetic nephropathy and its progression in type 2 diabetes mellitus patients. *Clinical Biochemistry*. 2011; 44 (13): S283
20. Z Rahimi, MR Azhar, A Vaisi-Raygani, R Akramipour, Z Rahimi. Synergistic effects of MTHFR C677T and A1298C variants on the increase risk of acute lymphoblastic leukemia. *Clinical Biochemistry*. 2011; 44 (13): S196-197

21. Z Rahimi, A Vaisi-Raygani, Z Rahimi. The concomitant presence of eNOS 894 T and ACE D alleles is associated with diabetic nephropathy and its progression. *Clinical Biochemistry*. 2011; 44 (13): S284
22. Z Rahimi, V Felehgari. ACE gene polymorphism and serum ACE activity in Iranian type II diabetic patients with macroalbuminuria. *Clinical Biochemistry*. 2011; 44 (13): S2
23. Z Rahimi, A Hasanvand, A Vaisi-Raygani. Synergistic effects of the MTHFR C677T and A1298C polymorphisms on the increase risk of micro-and macro-albuminuria and progression of diabetic nephropathy among Iranians with ... *Clinical Biochemistry*. 2011; 44 (13): S284.
24. Z Rahimi. Epigenetic modifications in cancer: Implications for epi-drug and epigenetic editing. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, key point speaker, 2020 (ICBMB2020), *Avicenna J Med Biochem* 2020 Volume 8 Suppl A, S5
25. B Sayad, Z Mohseni Afshar, F Mansouri, M Salimi, R Miladi1, M Shirvani, Z Rahimi. Blood coagulation parameters in patients with severe COVID-19 from Kermanshah Province of Iran. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), *Avicenna J Med Biochem* 2020 Volume 8 Suppl A, S372
26. M Shirvani, B Sayad, Z Mohseni Afshar, F Mansouri, M Salimi, R Miladi, Z Rahimi. Leukocytosis and alteration of hemoglobin level in patients with severe COVID-19: Association of leukocytosis with mortality. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), *Avicenna J Med Biochem* 2020 Volume 8 Suppl A, S373
27. R Naseri, Z Rahimi *, M Nouri, S Asadi, F Babajani. Sirtuin 1 C allele (rs375391) is associated with the risk of type 2 diabetes mellitus, diabetic neuropathy and diabetic retinopathy. The 16th

National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), Avicenna J Med Biochem 2020 Volume 8 Suppl A, S374

28. Z Allahbakhshi, Z Rahimi, H Mozafari, E Shakiba. Variants of CXCL12 chemokine is associated with the risk of chronic lymphocytic leukemia. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), Avicenna J Med Biochem 2020 Volume 8 Suppl A, S384

29. A Hussein, Z Rahimi, E Shakiba, H Mozafari, M Fariadi-Zadeh. Lipid profile, vitamin D level and vitamin D receptor and transporter gene variants in sickle cell disease patients form Kurdistan of Iraq. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), Avicenna J Med Biochem 2020 Volume 8 Suppl A, S385

30. F Khalili, Z Rahimi, E Shakiba, A Vaisi-Raygani. The Nrf2 and Keap1 variants and oxidative stress parameters are associated with Diabetic Neuropathy. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), Avicenna J Med Biochem 2020 Volume 8 Suppl A, S391

31. F Khalili, Z Rahimi, E Shakiba, A Vaisi-Raygani, S Asadi, R Naseri. Association between Nrf2 and Keap1 variants and oxidative stress parameters with diabetic retinopathy. The 16th National and 7th International Congress of Biochemistry and Molecular Biology, 2020 (ICBMB2020), Avicenna J Med Biochem 2020 Volume 8 Suppl A, S392

Preprints

1. A Sharifi, M Radak, H Mohamadi, H Fallahi, Z Rahimi. Unveiling the Molecular Landscape: Network Analysis of Genes, Proteins, and Transcription Factors in Primary Progressive and

Secondary Progressive Multiple Sclerosis for Unraveling Disease Progression and Prognostic Factors, Research Square, 2023

2. S Zakeri, Z Rahimi, N Rezvani, A Vaisi-Raygani, R Alibakhshi, K Yari. The Influence of Nrf2 gene promoter methylation on gene expression and oxidative stress parameters in preeclampsia, Research Square, 2023. This preprint has been published in a peer reviewed journal.

3. M Zangeneh, S Heydarian, Z Seifi, M Kohsari, Z Rahimi. Preeclampsia and Keap1 (rs11085735) variants and lncRNA MEG3 methylation status: Association with lncRNA MEG3 hypermethylation, Research Square, 2021. This preprint has been published in a peer reviewed journal.

4. M Akbari, Z Rahimi. A Comprehensive Investigation of Chitosan/tripolyphosphate Nanoparticles Using Artificial Neural Networks, Research Square, 2021

5. B Sayad, Z Rahimi. Sickle Cell Disease and COVID-19: Susceptibility and Severity, Europe PMC Plus, 2020. This preprint has been published in a peer reviewed journal.

6. MT Moradi, Z Rahimi. Circulating RP11-445H22. 4 and TINCR are potential biomarkers for invasive ductal carcinoma of the breast, preprints 202008. 0605.v1, 2020]

7. B Sayad, Z Rahimi. Blood Coagulation Parameters in Patients with Severe COVID-19, Research Square, 2020. This preprint has been published in a peer reviewed journal.

Books (in Persian language)

1. Z Rahimi. Endocrinology, Kermanshah University of Medical Sciences, 2014

2. Z Rahimi, A Nasiri, Z. Aghelan, F Khadir, S. Najafi. Hemoglobinopathies, Avinar Publisher, 2017
3. Z Rahimi, S Siabani. Writing and publishing scientific papers in Medical Sciences, Kermanshah University of Medical Sciences, 2020
4. Endocrinology and sport, 2019
5. Genetic and Epigenetic Tests: Principle, types and PCR-based techniques
6. Clinical Biochemistry of Pregnancy, 2024