**Curriculum Vitae**

**Contact Information**
**Name**: Soudabeh Fallah

**Address**: Iran University of Medical Sciences , Biochemistry Department

**Academic situation**: Professor

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**Personal Information**

**Date of Birth**: 17.10. 1958

**Place of Birth**: Garmsar, Semnan , Iran

**Citizenship**:Iranian

**Visa Status**:Iranian

**Gender**: Female

**Married statue:** Married

**Employment History**
List in chronological order, include position details and dates

**Work History**: Member of academic staff of Iran University of Medical Sciences

**Academic Positions:** Professor **Research and Training:** Biochemistry

**Research:** Cancer and biomarker changes, Contraceptives and biomarker changes, Anticancer drugs and Biomarkers transcription and translation changes, Cardiovascular Disease and Polymorphism, Diabetes

**Education:**
Include dates, majors, and details of degrees, training and certification

**High School**: Azadi
**University**: Shahid Behesht(Bs), Tarbiat Moddares(Msc), University of Tehran(Ph.D)

**Professional Qualifications**

* Tissue Extraction techniques
* Purification Techniques( Electrophoresis, IEF, Two Dimentional Electrophoresis, Chromatography)
* Cell Culture technique
* Macromolecule Interaction[ Florescent , Circular dischroism(CD), Spectrophotometer techniques]
* PCR, Western Blotting
* Computer Skills
* **Teaching of biochemistry for Medical Students**
* Teaching of Biochemistry for Msc. and Ph.D. students
* Teaching Biochemistry for medicine, laboratory sciences, pharmacology sciences students

**Certifications and Accreditations**:

* Laboratory skills certificate in the molecular Biological and Microbiological techniques from Department of Biochemistry and Molecular Biology from **University College London(UCL )**
* Laboratory skills certificate in the Isoelectrfocusing, two dimensional Electrophoresis and Immunoblotting techniques from National Research Center for Genetic Engineering and Biotechnology

**Certification for Workshop of Medical Education**

1. Professional ethic
2. Introduction to Medicine
3. Research in Education
4. Assessment in leaners
5. Education program (Medical Ethic)
6. Guide to medical professional
7. External Evaluation of clinical Laboratory
8. Project Course preparation for education
9. Training of Premedical Education method
10. Training of research methods

**Publications in English**

**Published papers**

1-.. Interaction of low mobility group protein (LMG160) with deoxyribonucleic acid. J. Biol Micromole 2003; 15:31 217-21

2-Effect of contraceptive pill on the selenium and zinc status of healthy subjects . Contraception, 2003;80( Issue 1) 40-43

3- . The association of matrix metalloproteinase-3-Gene 1612 5A/6A Polymorphism with susceptibility to coronary artery stenosis in an Iranian population . Proceedings of World Academy of science Engineering and technology Volume 40 April, 2009 ISSN: 2070- 3740 Page 619- 623.

4- Influence of Apo E Polymorphism on Coronary Artery Disease.. World Academy of Science, Engineering and technology 57, 2009 Page 665- 669.

5- Influence of genetic polymorphism in matrix Metalloproteinse-3 on Extent of Coronary Atherosclerosis and Risk of Coronary Artery Stennosis., Archive of Medical Research 40 (2009) 600-604**.**

6- No association of the SUMO4 polymorphism M55V variant in the type 2 diabetes in Iranian subjects. Diabetes research and Clinical Practice J, 2010 , 90, 191-195

 7 - Angiotensin II Differentially Induces Matrix Metalloproteinase-9 and Tissue Inhibitor of Metalloproteinase-1 Production and Disturbs MMP/TIMP Balance Avicenna. Journal of Medical Biotechnology, Vol. 2, No. 2, April- June 2010:79-85

8- Adenosine pretreatment attenuates angiotensin II- mediated P38-MAPK activation in a protein kinase A dependent manner.. Asian Biomedicine Vol. 4 , No. 5. , 2010: 723-731.

9- Matrix Metalloproteinase-9 and Paraoxonase 1 Q/R192 Gene Polymorphisms and the Risk of Coronary Artery Stenosis in Iranian Subects. . Jounal of Clinical Laboratory Analysis. 24: 305-310 (2010).

10 -Risk of coronary artery stenosis in Iranian type 2 diabetes : is there a role for matrix metalloproteinase -3 gene (-1612-5A/6A0 polymorphism. . J physiol Biochem , 2010 Dec;66(4):359-64

11- Effect of contraceptive pills on the activity status of the antioxidant enzymes glutathione peroxidase and superoxidant dismutase in healthy subjects. Contraception , 2011. ;83(4):385-9.

12- Effect of apolipoprotein E genotypes on incidence and development of stenosis in Iranian patients with coronary artery disease.. Journal of Clinical Laboratory Analysis, 25 : 43–46 (2011)

*13- Maternal oxidative stress and enzymatic antioxidant status in premature rupture of membranes . African Journal of Biochemistry Research 2012; Vol. 6(2), pp. 27-32.*

14- Effect of oral contraceptive therapy on homocysteine and C-reactive protein levels in women: an observational study.. Anadolu Kardiyol Derg 2011; 11: 698-702

15- Influence of Oral Contraceptive Pills on Homocysteine and Nitric Oxide Levels: As Risk Factors for Cardiovascular Disease.. Journal of Clinical Laboratory Analysis 26: 120–123 (2012).

16 –Fatty acid composition of serum lipids in patients with type 2 diabetes .. Journal of Clinical Laboratory. Accepted , In press

17- Distribution of fatty acids in adipose tissue of patients with diabetes.. Journal of Clinical Laboratory . 2012; 58:457-464.

18-Adiponectin, leptin and lipid profiles evaluation in oral contraceptive pill consumers . **Soudabeh Fallah\*** ( Corresponding Author) • Maryam Sanjary Pour • Azra Rabbani Chadegani • Mohsen Korani. Arch Gynecol Obstet. 2012; 285:1747-1752.

19- Association of the Apolipoprotein E variants with susceptibility to preeclampsia pregnancies. Journal of Clinical Laboratory. 2013;59:263-270

20- Mutations of the connexin 37 and 40 gap-junction genes in patients with acute myocardial infarction.. Clinical Laboratory Journal . Accepetd.

-21 The evaluation of FOXO1, KLF9 and YT521 genes expression in human endometrial cancer. . Clinical Laboratory JournalClin.Lab2013;59:483-9.

22- Mutations of the Connexin 37 and 40 Gap-Junction Genes in Patients With Acute Myocardial Infarction ..Clin.Lab.2013;59:343-348

23.- Mechanism oh the interaction of plant Alkaloid Vincristine with DNA and Chromatin: Spectroscopyic Study . DNA AND CELL BIOLOGY. 2013,32: 228-235

24- Prostaglandin E2 alteration in contraceptive consumers: as a risk factor for inflammatory diseases. Maryam Sanjary Pour • Journal of Arch Gynecol Obstet DOI 10.1007/s00404-012-2661. (2013) 287:1031–1037

25- C771G (His241Gln) polymorphism of MLXILP GENE, TG levels andcoronary artery disease: A case control study .. Anadolu Kardiol Derg 2015: 15 ( ):

26 .The Effects of Hormonal contraceptives on the various biomarkers levels: A Review.. Integrated JORNAL of BRITISH : 20015;2: 132-171.

27. Association Between Genetic Variants of Akt1 and Endometrial Cancer. Biochem Genet 2015,53:281-290

29. **“**MiR-153 as a tumor suppressor in glioblastoma multiform is downregulated by DNA methylation. Clinical Laboratory Journal (CLin Lab). 2016, 62(4):573-580]

30. The Effect of Sesamin on Motor Asymmetry in Intrastriatal 6- Hydroxydopamine Rat Model of Parkinson's Disease . Journal of Basic and Clinical PATHOPHYSIOLOGY. 2015; 3:1-5

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31- Involvement of cytochrome C in induction of apoptosis and cell cytotoxicity of flavonoid extract of Morus alba Leaves in HeLa cell lines.Inpressed ( Aaccepted) .Oncology letters

32. Helicobacter pylori infection is a significant risk factor for hyperhomocysteinemia in Iranian patients with coronary artery disease (CAD). **)Brazilian Archives of Biology and Technology. 2016; 59;** e16150509, <http://dx.doi.org/10.1590/1678-4324-2016150509>.

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**33-** MicroRNA-149 is epigenetically silenced tumor-suppressive microRNA, involved in cell proliferation and  downregulation of AKT1 and cyclin D1 in human glioblastoma multiform . 2016; 94:1-6 Biochemistry and Cell Biology Journal 2016

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| --- |
| **34-** Human colon cancer HT-29 cell death responses to doxorubicin and Morus Alba leaves flavonoid extract. . Cell. Mol. Biol.2016, 62 (3): 72-77**35-** Evaluating the Akt 1 levels in endometrial tissue of patients with endometrial cance. BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY 2016. ISSN 1678-4324 Online Edition. Vol.59: e16160247, January-December 2016. |
| 36- The effect of Morus alba leaves extract and powder on resistin levels and liver transaminase enzymes activities in diabetes. Cellular and Molecular Biology. 2016 May 30;62(6):112-11837- Influence of mulberry leaf extract on serum adiponectin, visfatin and lipid profile levels in type 2 diabetic rats. BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY A N I N T E R N A T I O N A L J O U R N A LVol.59: e16160297. 38- Helicobacter pylori infection and iron deficiency in patients with coronary artery disease . Journal of Cell Mol Biol. Cell. Mol. Biol.2016, 62 (8): 8-1439 -"Evaluation of Anticancer Activity of Extracted Flavonoids from Morus Alba Leaves and its interaction with DNA" **Human and Animal Health** • Braz. arch. biol. technol. 61 • 2018 40- Association of C1q/TNF related protein ( CTRP3) and CTRP13 serum levels with coronary artery disease in subject with and without type2 diabetes mellitus Polos 1 Journal . December 29, 2016 .41- Epigenetic modification of MicroRNA-205 and it's association with glioblastoma multiform" . Clinical Laboratory Accepted.42- Endocrine Hormones and Disorders. (Short Communication) . Journal of Endocrinology and Thyroid Research. 2017. 1: 1-2 43. Role of serum MMP-9 levels and vitamin D receptor polymorphisms in the susceptibility to coronary artery disease: an association study in Iranian population. Gene Journal. 2017;628: 295-300.  44- Cytotoxicity Effects of Flavonoid Extract of Morus alba Leaves in Hela Cell Line Asian Journal of Biological Sciences. 2017. 10; 72.79. *.*  |
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*45- miR-342-5p expression levels in coronary artery disease patients and its association with inflammatory cytokines. . miR-342-5p expression levels in coronary artery disease patients and its association with inflammatory cytokines. Clin. Lab. 2018;64:603-609*

46Assocaition of circulating CTRP9 with soluble adhesion molecules and inflammatory marker in patients with type2 diabetes mellitus and coronary artery disease . Polos one Journal. https://doi.org/10.1371/journal.pone.0192159 January 30, 2018

47-Lower expression miR 10a coronary disease and association with pro/anti inflammatory cytokine. Clin . Lab 2018;64:847-854.

48-Reza Fadaei, Reza Meshkani, Hossein Poustchi, Soudabeh Fallah, Nariman

Moradi, Ghodratollah Panahi, Shahin Merat & Taghi Golmohammadi. Archives of Physiology and Biochemistry.

 The Journal of Metabolic DiseasesISSN: 1381-3455 (Print) 1744-4160 (Online) Journal homepage: <http://www.tandfonline.com/loi/iarp20>

49-. Survey of the effect of doxorubicin and flavonoid extract of white Morus alba leaf on apoptosis induction in a-172 GBM cell line. Archives of Physiology and Biochemistry The Journal of Metabolic Diseases. ISSN: 1381-3455 (Print) 1744-4160 (Online) Journal homepage: ttp://www.tandfonline.com/loi/iarp20

50- Biosynthesised AgCl NPs using Bacillus sp. 1/11 and evaluation of their cytotoxic activity and antibacterial and antibiofilm effects on multi-drug resistant bacteria. IET Nanobiotechnol. © The Institution of Engineering and Technology 2018

51- S-allyl cysteine improves clinical and neuropathological features of experimental autoimmune encephalomyelitis in C57BL/6 mice. Biomedicine & Pharmacotherapy. Biomedicine & Pharmacotherapy 97 (2018) 557–563

# 52. *Association of circulating CTRP9 with soluble adhesion molecules and inflammatory markers in patients with type 2 diabetes mellitus and coronary artery disease*  30;13(1):e0192159.

53. The role of adiponectin and adipolin as anti-inflammatory adipokines in the formation of macrophage foam cells and their association with cardiovascular diseases. Clinical Biochemistry 54 (2018) 1–10. Review

54-Decreased serum levels of CTRP12/adipolin in patients with coronary artery

disease in relation to inflammatory cytokines and insulin resistance. Cytokine Journal . 2019 ; 113: 326-331

*55-The effect of saffron (Crocus sativus L.) supplementation on blood pressure, and renal and liver function in patients with type 2 diabetes mellitus: A double-blinded, randomized clinical trial . Avicnna Journal of Phtomedicine (AJP). 2019 , 1-11*

*56- Prevalence and Genotyping of Trichomonas vaginalis Infected to dsRNA Virus by PCR–Restriction Fragment Length Polymor-phism (RFLP). Iran J Parasitol: Vol. 14, No. 2, Apr-Jun 2019, pp.250-257*

57- Klotho Ameliorates Cellular Inflammation via Suppressionof Cytokine Release and Upregulation of miR-29a in the PBMCs of Diagnosed Alzheimer’s Disease Patients. Journal of Molecular Neuroscience . <https://doi.org/10.1007/s12031-019-01345-5>

59-Captopril and Spironolactone Can Attenuate Diabetic Nephropathy in Wistar Rats by Targeting microRNA-192 and microRNA-29a/b/c. DNA AND CELL BIOLOGY. Volume 38, Number 10, 2019.

60- Effects Of Saffron Supplementation On Inflammation And Metabolic Responses In Type 2 Diabetic Patients: A Randomized, Double-Blind, Placebo-Controlled Trial Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy. 2019:12 2107–2115

61- The effect of Cornus mas fruit extract consumption on lipid profile, glycemic indices, and leptin in postmenopausal women— A randomized clinical trial7. Phytotherapy Research. 2019;1–10.

62-Decreased serum levels of CTRP12/adipolin in patients with coronary artery disease in relation to inflammatory cytokines and insulin resistance. Cytokine . 2019 Jan;113:326-331.

63- Higher serum level of CTRP15 in patients with coronary artery disease is associated with disease severity, body mass index and insulin resistance. Arshive of physiology and Biochemistry Journal. ISSN: 1381-3455 (Print) 1744-4160 (Online) Journal homepage.

64- The effect of saffron supplement on clinical outcomes and metabolic profiles in patients with active rheumatoid arthritis: A randomized, double-blind, placebo-controlled clinical trial. Phytotherapy Research. 2020;1–9.

65- The expression levels of miRNAs- 27a and 23a in the peripheral blood mononuclear cells (PBMCs) and their correlation with FOXO1 and some inflammatory and anti-inflammatory cytokines in the patients with coronary artery disease (CAD). Life sciences Journal. 2020, 256; 119878.

66-Evaluation of IP10 and miRNA 269-a expression levels in PBMC of CAD patients and controls. DNA and Cell biology Journal. 2020; Volume 39, Number 9, Page1-7

67 **-**The Association Between Circulating Klotho and Dipeptidyl Peptidase-4 Activity and Inflammatory Cytokines in Elderly Patients With Alzheimer Disease. Ba

Bacic and Clinical NeuroSciences Journal. 2020; Vol 11, NO.3P:349-357.

68**-** Serum Concentration of Selenium and GPX Enzyme Activity in Iranian Children with Asthma. Mod Care J. 2020 April; 17(2):e102396

69. The Effects of Doxorubicin, Ethanol Extract and Flavonoid-rich Fraction of Euphorbia Splendida Mobayen on the PARP Level, and APC Gene Expression in HT-29 Human Colon Cancer Cell Line Jundishapur J Nat Pharm Prod. 2020 August; 15(3):e79679..

70-Circulating levels of CTRP3 in patients with type 2diabetes mellitus compared to controls: A systematic review and meta-analysis.. d i a b e t e s r e s e a r c h a n d c l i n i c a l p r a c t i c e 1 6 9 ( 2 0 2 0 ) 1 0 8 4 5 3

71. Characterization of the serum levels of Meteorin-like in patients with inflammatory bowel disease and its association with inflammatory cytokines. Lipids in Health and Disease (2020) 19:230 <https://doi.org/10.1186/s12944-020-01404-6>.

72- Impaired cholesterol efflux capacity in patientswith Helicobacter pylori infection and its relation with inflammation. Journal of Clinical Lipidology . 2021;15(1):218-226.e1.

73- Epigenetic Modification of MicroRNA\_219\_1 and Its Association with Glioblastoma Multiforme. ISSN 0006\_2979, Biochemistry (Moscow), 2021, Vol. 86, No. 4, pp. 420\_432. © Pleiades Publishing, Ltd., 2021. Published in Russian in Biokhimiya, 2021, Vol. 86, No. 4, pp. 496\_510.

74-. Klotho, FOXO1 and cytokines associations in patients with coronary artery disease Cytokine 141 (2021) 155443.

75-Randomized Study of the Effects of Zinc, Vitamin A, and Magnesium Co-supplementation on Thyroid Function, Oxidative Stress,and hs-CRP in Patients with Hypothyroidism. Biological Trace Element Research. 2021. <https://doi.org/10.1007/s12011-020-02548-3>

76. The effect of saffron supplementation on some inflammatory and oxidative markers, leptin, adiponectin, and body composition in patients with nonalcoholic fatty liver disease: A double-blind randomized clinical trial. Phytotherapy Research. 2020;1–12.

77-The effect of probiotics on cardiovascular risk factors in patients with major depressive disorder: A randomized clinical trial study Journal of Isfahan Medical Schoo.. 2021; 39 (618). pp. 189-19

78- The impacts of C1q/TNF-related protein-15 and adiponectin on Interleukin-6 and tumor necrosis factor-α in primary macrophages of patients with coronary artery diseases. Cytokine. . 2021 ;142:155470.

79- Inflawell® improves neutrophil‑to‑lymphocyte ratio and shortens hospitalization in patients with moderate COVID‑19, in a randomized double‑blind placebo‑controlled clinical trial. Inflammopharmacology (2022) 30:465–475 https://doi.org/10.1007/s10787-022-00928-w

80- Captopril and Spironolactone can Attenuate Diabetic Nephropathy in Wistar Rats

by Targeting ABCA1 and microRNA-33. 2022 Current Pharmaceutical Design,2022; Volume 28, Number 16, 2022, pp. 1367-1372(6)

 . <https://doi.org/10.2174/1381612828666220401143249>

81. Therapeutic potential of isorhamentin flowing acetaminophen induced hepatotoxicity through targeting NLRP3/ NF-KB-Nrf2. Drug Res (Stuttg). . 2022 Jun;72(5):245-254.

82- Ciculating levels of C1q/TNF –Related protein 3 ( CTRP3) and CTRP9 in Gestational diabetes patients and their association with insulin resistance and inflammatory cytokines

 In Lab Medicine Journal ( Accepted)

**Congress**

1.Extraction and purification of ribonuclease inhibitor from human placenta and the study of its inhibitory effect. First international Congress of Biochemistry in Tarbiat Modarres University (oral) Tehran Iran April 1991.

2-Extraction and purification of non-histone LMG16 protein from rat chromatin liver and its interaction with DNA. Sixth Biochemistry Congress. Iran Medical Sciences University (oral) . Tehran Iran. Oct. 2002

3- Biochemical characterization of LMG16 protein. 27th peptide symposium . Sorrento Italy, 31 Agu -3 Sept . 2002 (Poster).

4- Study of LMG16 protein interaction with calf Thymus DNA . International Biochemistry- Molecular Biology Congeress. Torento- Canada , Jun 2003.

5-Study of Zinc and Selenium levels in contraceptive pills consumers . 9th International Biochemistry Congress , Shiraz, Iran 1987.

6-Comparative study of the Gln/Arg 192 polymorphism frequency of paraoxonase 1 in patients with coronary artery stenosis and control subjects. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, 16-19 November 2009, Tehran, Iran.

7-Cadmium up – regulates MMp9 and TIMP 1 levels and affects protease- antiprotease balance. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, 16-19 November 2009, Tehran, Iran.

8- Influence of Genetic Polymorphism in Matrix Metalloproteinase-3 on Extent of Coronary Atherosclerosis and Risk of Coronary Artery Stenosis, Accepted 07 Aug 2009.

 9- The association of matrix metalloproteinase- 3 gene- 1612 5A/6A polymorphism with susceptibility to coronary artery stenosis in Iranian population. Iran. Chem. Soc., Vol. 6, Suppl., Nov 2009,pp. s205.

10- Association of the sumo4 polymorphism M55V variant in type 2 diabetes. J. Iran. Chem. Soc., Vol. 6, Suppl., Nov 2009,pp. s203

 11- Promoter polymorphism of the matrix metalloproteinase 3 gene in diabetes mellitus patients and risk of coronary artery disease. J. Iran. Chem. Soc., Vol. 6, Suppl., Nov, 2009,pp. s210.

12-Isolation and characterization of low mobility group protein (LMG 160) from rat liver, S. Fallah, A. Rabbani ,PEPTIDES. 2002 Europe Benedetti and Cario pedone (Eds).

13.- Adiponectin, leptin and lipid profiles evaluation in oral contraceptive pill consumers . Soudabeh Fallah\* ( Corresponding Author) • Maryam Sanjary Pour • Azra Rabbani Chadegani • Mohsen Korani. 5th. International Laboratory and Clinic . 16-19 Jan 20013 . Razi hammayesh Salon.

14- The effect of Morus alba leaves extract and powder on resistin levels and liver transaminase enzymes activities in diabetes. DIABETESE KONGRESS , 4-7 May ; 2016, Berlin

15. . Influence of mulberry leaf extract on serum adiponectin, visfatin and lipid profile levels in type 2 diabetic rats. . DIABETESE KONGRESS . 4-7 May2016, Berlin.

**Books**

1-Questions Collection Series in General and special Biochemistry (In Persian Language)

2. Translated Molecular Biology and Biochemistry Book in Persian ( Moine Publisher)

3.Pathobiology of premature rupture of membrans. **Lambert Academic publishing ( Germany)**

4-Biochemistry for Medical Student Volum 1 ,2( In Persian). **Moin Publisher**

5- Hormones of adipose tissue ( Adipokines & disorders**) (** In Farsi**); Dibagarn publisher**

6- Laboratory biochemistry Skills ( In persion) ;, Moin publisher

7- Osole Biochemistry of metabolism with clinical points ( in Farsi) Moine Publisher

8. Medical Biochemistry with clinical points( in Fari)

9- Biochemistry Laboratory Skill ( in Farsi)

1. Laboratory Skills in Biochemistry( In English)

**Research Projects**

1-Comparative study of the Apo E polymorphism in Cardiovascular disease patients referred to Shid Rajaee hospital and controls.

2-Study of the Zinc and, Selenium trace elements, glutathione peroxidase and superoxide dismutase antioxidant enzymes in contraceptive pills users and controls.

3- Comparative study of the paroxonase 1 polymorphism(192GIN/Arg) in the patients with coronary artery disease referred to Shahid Rajaee hospital and controls .

4- Comparative study of the methaloproteinase 3 (C/T 1562) in patients with coronary heart disease patients referred to Shahid Rajaee hospital and controls .

5- Comparative study of the methaloproteinase 3 (C/T 1562) in patients with diabetes and controls.

6- Comparative study of the SUMO4 polymorphism in diabetes referred to Shahid Beheshti Institutes and controls.

7- Comparative study of the Apo E polymorphism in preeclampsia patients referred to Shahid Akbar Abadi hospital

8- Study of the C- reactive protein (CRP), Homocystein and nitric oxide ( No ) levels of contraceptive pills users and controls.

9- Study of the adiponectin and prostaglandin E levels of contraceptive pills users and controls.

10- Study of the relationship between G771C( Gln/24His) prometer polymorphism of MLXPL Gene with plasma Triglyceride level and Coronary Artery Disease

11- Study of the FOXO1, YT521, KLF9 transcription factors levels of the endometrial tissue cancer of the patients who referred to Arash Hospital and controls

12- Study of the Adenosine and Angiotensin II on the transcription and secretion of the matrix metalloproteinase and its tissue inhibitors in the U-937 cell culture and their signaling pathways.

13- Study of the relationship between phenotype and polymorphism of the Gene PKB promoter in the endometrial tissue cancer of the patients and controls referred to Arash Hospital

14-Purification of the flavonoide extraction of the L. alba Marous leave and study of the its interaction with DNA and chromatin and its anticancer effect in the Hella cell culture and cancerous rat .

15- Evaluation of relationship between methylation of the miRNA-149 and miRNA153 genes with glioblastoma occurence, gene expression and target proteins levels, and proliferation in U87 glioblastoma cell line

16. Evaluation of relationship between methylation of the mRNAs 219 and 205 genes with glioblastoma occurence, gene expression and target proteins levels, and proliferation in U87 glioblastoma cell line

17. Evaluation of relationship between helicobacter pillory antibody titer and serum homocysteine, iron (TIBC) and fereitin in patients with heart disease and controls.

18. Investigation of the flavonoid extract of mulburry leaf (Morus alba) effect on serum adiponectin، visefatin and resistine levels in type 2 diabetic rats

19.The investigation of gene expression of CTRP3 and CTRP13 in PBMCs and their serum concentrations in patients with Coronary artery diseases and type 2 diabetes Compared with the

20- Study of relationship between Vitamin D recptor polymorphism gene and Vitamin D levels and the MMP2,9 levels of patients with cardiac heart disease reffering to Hazrat Rasso Akram Hospital

21-Study of the effect of total alcoholic extract and feractions of Euphorbia splendida and doxorubicin drug on Adenomatous polyposis coli (APC) gene expression and Poly ADP ribose polymerase (PARP) protein level in colorecta cancer line HT-29-

1. 22- Study of the relationship between mir 342 and mir 155 expression and AKT1 levels and its target genes SIRT1, PPRP**γ** in patients with coronary artry disease and controls

22- The investigation effect of recombinant CTRP9 and LPS treatment on expression of miRs -155, -146a, -21, -10a and cytokines(TNF-α , IL-6 , MCP-1) expression and secretion in culture of PBMCs derivative from Coronary Artery Diseases (CAD) patients in comparison of Control group

23-Comparative Study of spironolactone and captopril consumption on mir RNAs 192 and 29 levels of diabetic nephropathy rats liver and controls

24- Study of CTRP-9 levels and its correlation with ICAM-1 and VCAM-1 levels of patients with cardiac heart disease and type 2 diabetes and controls

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| 25- Study of the relationship between mir 342 and mir 155 expression and AKT1 levels and its target genes SIRT1, PPRPγ in patients with coronary artery disease and controls |
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26-The investigation of gene expression of CTRP3 and CTRP13 in( PBM)Cs and their serum concentrations in patients with Coronary artery diseases and type 2 diabetes Compared with the control group

27- Study of the relationship between vitaminD receptor gene polymorphism and MMP9 and vitamin D levels of patients with cardiac heart disease referring to Hazrat Rasool Akram Hospital with controls

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28-Evaluation of relationship between miRNA-219 and miRNA-205 and glioblastoma occurence, gene expression and target proteins levels(Bcl2, ERK1/2) in U87 glioblastoma cell line

29-Study of the effect of the total flavonoid rich extract of Morus alba leaves and doxorubicin on Bax/Bcl2 and caspase levels of A-172 glioblastoma cell line

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30-The effect of total and feractions of Euphorbia splendida alcoholic extract and doxorubicin drug on expression of Adenomatous polyposis coli (APC) gene and Poly ADP ribose polymerase (PARP) protein in colorectal cancer cell line HT-29

31- Evaluation of serum cholesterol efflux capacity in patients with Helicobacter Pylori infection in comparison with healthy subjects

32-The investigation effect of recombinant CTRP9 treatment on expression of miRs -155, -125, -33, -148 , cytokines(TNF-α , IL-10 , MCP-1) expression and secretion, ABCA1 expression in culture of Macrophages derivated from Coronary Artery Diseases (CAD) patients & Diabetic CAD in comparison to Control group

33- Investigation of espironolacon and captopirin on miRNA-192 و miRNA-29 levels in Diabetic nephropaty

34-Investigation the CTRP5 levels and its correlation with inflammatory markers (TNF-α ,IL-6 and MCP1)” in patients with Coronary Artery Diseases (CAD) and Type 2 Diabetes (T2D) and controls

**Professional Memberships**

**Member of Biochem Natinal Board of Iran, Ministry of health and medical education**

* **Member of Editorial Bord of Uteres & Ovary Journal**
* **Member of Editorial Bord of Medical journal of obstetric and Gynecology**
* **Member of** Iranian Biochemistry Society
* **Reviewer** of Research projects and Msc. and Ph.D Theziz for Tarbiat Moddares University and Institute of Biochemistry and Biophysics (IBB) Of University of Tehran
* **Reviewer** of Razi Journal of Iran University of Medical Sciences
* **Reviewer of** Anadolu Kardiyol Derg Journal
* **Reviewer of**  **Brizilian** archives of Biology and Technology Yournal
* **Reviewer of: “**Pathobiology".Modares Journal of Medical Sciences
* **Reviewer** of Archives of Breast Cancer Journal
* **Reviewer of** Medicine Journal of Iran University of Medical Sciences
* **Reviewer of DNA & Cell Biology Journal**
* **Postgraduate education Vice president** of the Biochemistry Department of Iran University of Medical Sciences .
* **Member of Postgraduate education Committee** of Medicine Faculty Of Iran University of Medical Sciences
* **Research Vice president of** the Research center of the Infection disease of Hazrat Rasole Akram Hospital

**Interests**

- Diabetes & molecular disorder

-Arthrosclerosis& disorder

-Cancer & Biomarker transcription and translation Changes

-Cancer and Epigenetic alteration

Cancer and micro RNA

-Contraceptives and biomarkers changes

-Anticancer drugs effect and Cancer cell culture viability

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