

Curriculum Vitae

Contact Information

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Personal Information

Date of Birth: 5th July 1979

Academic Positions: Assistant Professor in Clinical Biochemistry

Education

High School: Nature Science, Shahied Jahani ,Kashan, June 1997

B.S: Biological Sciences(Zoology), Department of Biology ,Faculty of Sciencer,

Isfahan University, Isfahan, Iran ,July 2001

M.S: Clinical Biochemistry ,Department of Clinical Biochemistry ,Faculty of

medicine ,Tehran University of Medical Sciences ,Tehran ,Iran, September 2004

Ph.D: Clinical Biochemistry ,Department of Clinical Biochemistry ,Faculty of

medicine ,Tehran University of Medical Sciences ,Tehran ,Iran, September 2009

Presentations

1-Effects of Persian walnut oil extract on lipid and lipoprotein profile in animal serum,The9th Iranian congress of Biochemistry and molecular biology, Shiraz ,Iran , Oct.,2007

2- Extraction and separation of LPS from outer membrane of H.pylori by SDS-PAGE and silver staining. The 9th Iranian congress of Biochemistry and molecular biology, Shiraz ,Iran , Oct.,2007

3- Extraction and purification of L-asparaginase from E.coli B , The 9th Iranian congress of Biochemistry and molecular biology, Shiraz ,Iran , Oct.,2007

4- Serum Alpha-1- antitripsine evaluation: a comparative study, The 9th Iranian congress of Biochemistry and molecular biology, Shiraz, Iran, Oct., 2007

5- Extraction and Separation of LPS from outer membrane of H.pylori ,The European Helicobacter Study Group (EHSg),19th international workshop on Helicobacter and related bacteria in chronic digestive inflammation ,Copenhagen-Denmark,Oct.,2005

6- Extraction of PGI and PGII from Humane gastric mucosa by SDS_PAGE and DEAE Cellulose ,The 7th Iranian congress of Biochemistry and molecular biology, Ahvaze ,Iran , 2005.

7-Fatty acids alter mRNA levels ACAT1 and PPAR in THP-1 macrophage derived foam cells. The 10th Iranian congress of Biochemistry and molecular biology, Tehran, Iran, 2009

8- Effect of different fatty acids on the ABCA1gene expression in THP-1 macrophage ,The 10th Iranian congress of Biochemistry and molecular biology, Tehran, Iran, 2009

Projects:

- 1- Effect of Persian walnut oil extract on lipid and lipoprotein profile in animal serum.
- 2- Extraction and separation of LPS from outer membrane of H.pylori by SDS-PAGE and silver staining.
- 3- Effect of ω -3 fatty acids on the gene expression of PPAR α and ACAT1 in THP-1 cell line.
- 4- Effect of ω -3 fatty acids on the gene expression of sFlt-1 in JEG-3 cell line
- 5- Statins and gene expression of NO synthase (In progress).
- 6- Production of recombinant adeno-associated virus to use in Duchenne Muscular Dystrophy (DMD) using Exon skipping method(In progress)
- 7- ω -3 fatty acids and gene expression of sFlt-1 (In progress).
- 8- Antidiabetic effects of polyphenol compounds of Cucumin in the c2c12 cell line (In progress).
- 9- Effect of Atrostatin on the gene expression of sFlt-1 (In progress).

Publications

Books:

- 1- Comprehensive Medical Biochemistry, Aeg Publication, 2006
- 2- Practical Biochemistry for Medical and Biological Sciences, Khosravi

Publication ;(First Edition: 2007, Scound Edition: 2008 , 3th Edition 2011)
- 3-Translation of Textbook of Biochemistry with clinical correlation(Devlin Biochemistry);Khosravi Publication ;Volume 1 2008
- 4-Translation of Textbook of Biochemistry with clinical correlation (Devlin Biochemistry) ;Khosravi Publication ;Volume 2 ,2009
- 5- Translation of Textbook of Biochemistry with clinical correlation (Devlin Biochemistry) ;Khosravi Publication ; ,2012

6- Translation of Textbook of Harpers ;Khosravi Publication,2009

7-6- Translation of Textbook of Harpers ;Khosravi Publication,2012

Articles:

1-Doosti M., **Reza JZ.**,Aryabarzin S.,et al; Cholesterol Homeostasis in patient with Nephrotic syndrome and Control group, **Tehran University medical Journal**, 2005.62:967-973.(Farsi)

2-**Reza JZ.**,Doosti M.,Solemani S.; Effects of Persian Walnuts (*Juglans regia*)oil Extract on the lipid and Lipoprotein in animal Model (Hypercholesterolemia mal rats),**Iranian journal of Diabetes and Lipid disorder**.2006,5:319-325. .(Farsi)

3- **Reza JZ** , Doosti M , Aryabarzin S et al; Extraction and separation of LPS from outer membrane of H.pylori and staining with Silver nitrate, **Tehran University medical Journal**, 65(1):19-24 .(Farsi)

4- **Reza JZ**, Doosti M., salehipour M., Packnejad M., Mojarrad M., Heidari M. ;

Modulation Peroxisome Proliferators Activated Receptor alpha (PPAR α) and Acyl

Coenzyme A: Cholesterol Acyltransferase1 (ACAT1)gene expression by Fatty Acids in

Foam cell , **Lipids in Health and Disease**, 2009, 8:38

5- Nikzamir A., Esteghamati A., Fegghi M., Nakhjavani M., Rashidi A., **Reza J.Z**; The

insertion/deletion polymorphism of the angiotensin-converting enzyme gene is associated

with progression, but not development, of albuminuria in Iranian patients with type 2

diabetes , **Journal of Renin-Angiotensin-Aldosterone System**, 2009, 10: 109-114 .

6-Doosti M, Najafi M, **Reza JZ**, Nikzamir A; The role of ATP-binding-cassette-transporter-A1 (ABCA1) gene polymorphism on coronary artery disease risk; **Transl Res**. 2010 ;155(4):185-90

7- **Salehipour M.**, **Javadi E.**, **Reza JZ.**, et al. Polyunsaturated Fatty Acids and Modulation of Cholesterol Homeostasis in THP-1 Macrophage-Derived Foam Cells ; **Int. J. Mol. Sci**. 2010, 11(11), 4660-4672.

8-**Reza JZ**, Nikzamir A., Doosti M., et al ; A modification methods for isolation and acetylation of low density lipoprotein of human plasma by Density gradient ultracentrifugation, **J of Biol Sci**, 2011, 10, (785-89)

9- Taran M., Monaza A., **Reza JZ**, Safari M., Bakhtiyari S.; Optimal conditions for the biological removal of arsenic by a novel halophilic archaea in different conditions and its process optimization, **Polish Journal of Chemical Technology**, 2013, 15(7 — 9).

10-Baghbani F, Raoofian R, Hasanzadeh Nazarabadi M, Hamzehloei T, Soukhtanloo M, Heidari M, Afsharzadeh SM, Shekouhi S, Moradi F, Sarli AA, **Zavar-Reza J**, Mojarrad M; Identification of novel hypoxia response genes in human glioma cell line a172. **Iran J Basic Med Sci**. 2013 May; 16(5):675-82.

11- Pouya FD, **Zavar-Reza J**, Jalali BA; In-vitro study of methylglyoxal and aspirin effects on fibrinolysis parameters. **Blood Coagul Fibrinolysis**. 2013 Jun 7. [Epub ahead of print]

12-Shekouhi S., Baghbani F., Hasanzadeh M. Abadi N., Hamzehloei T, Abbaszadegan M., Sagha N, Raoofian R, Ahmadzadeh S., Mohammad Tabatabaiefar A., **Reza JZ**, Mojarrad M ; Identification of Xq22.1-23 as a region linked with hereditary recurrent spontaneous abortion; **The Iranian Journal of Reproductive Medicine (IJRM)**, Accepted, 2013

13- **Javad Zavar Reza**, Hossein Nahangi 2, Reza Mansouri, Ali Dehghani, Majid Mojarrad, Mohammad Fathi *, Abdolrahim Nikzamir, Mir Saeed Yekaninejad; The Effect of Unsaturated Fatty Acids on Molecular Markers of Cholesterol Homeostasis in THP-1 Macrophages; **Iranian Red Crescent Medical Journal**. 2013 July; 15(7): 554-9.

14-**Pouya FD**, Zavar-Reza J, **Jalali BA** In vitro study of homocysteine and aspirin effects on fibrinolysis: Measuring fibrinolysis parameters; **Blood Coagul Fibrinolysis**. 2013 **Jun 7**. [Accepted]

Teaching

1- Practical Biochemistry, Tehran University of Medical Sciences, Faculty of Medicine, Department of Clinical Biochemistry, 2003-2004

2- Practical Biochemistry, Tehran University of Medical Sciences, Faculty of Medicine, Department of Clinical Biochemistry, 2005-2006

3- Practical Biochemistry, Tehran University of Medical Sciences, Faculty of

Medicine, Department of Clinical Biochemistry, the First Semester, 2006-2007

4- Medical Biochemistry for Nurse, University of Medical Sciences, Faculty of

Medicine, Department of Clinical Biochemistry, 2003-2004

5-Azad university of Islamic Azad University Parand Branch (PIAU), 2007-2009

6- Medical, clinical, tissue biochemistry, Yazd Shahied Sadoghi University of Medical Sciences, 2009-2012

Interests:

- Molecular Aspect of Lipid Metabolism
- Molecular Aspect of Coronary Heart Diseases
- Biochemistry Aspect of Infertility

Skills and Qualifications:

- Polymerase Chain Reaction (PCR)
- Real Time PCR
- Cell Culture
- Working with Protein (Extraction, Purification,....)
- Western Blotting
- Electrophoresis(PAGE,SDS-PAGE, Agarose,...)
- Extraction and Separation of plant Materials

Research Skills:

- Internet & Searching on the Web
- Microsoft Powerpoint,Word ,Excel ,photoshap
- SPSS

