

## **In the name of GOD**

Soheila Asadi, Ph.D

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### **Personal Information.**

Date of birth: December 27, 1984

Place of Birth: Kermanshah, Iran.

Languages: Persian (Native)

English (Intermediate)

### **Education**

BSc, Laboratory medicine (veterinary), Razi University, Kermanshah, Iran, 2003-2007

MSc, Clinical Biochemistry, Hamadan University of Medical Sciences, Hamadan, Iran, 2011- 2014

Ph.D, Clinical Biochemistry, Hamadan University of Medical Sciences, Hamadan, Iran, 2014-2018

### **Honor and Awards**

The 2<sup>th</sup> top student in Ph.D's entrance exam of clinical biochemistry in Iran.

Ministry of Health, Treatment and Medical Training.

Top PhD student, 2015, Hamadan University of Medical Sciences, Hamadan, Iran.

Top PhD student, 2016, Hamadan University of Medical Sciences, Hamadan, Iran.

The 1<sup>th</sup> top student in comprehensive examination of Ph.D. theoretical courses, department of Clinical Biochemistry, Hamadan University of Medical Sciences, (19.50), 2016

## **Reviewer**

Iranian Journal of medical sciences

Journal of Reports in Pharmaceutical Sciences

## **Publications:**

1) Effects of Curcuma longa and Cinnamon aqueous extracts on Serum Carbohydrates and Lipids metabolism and oxidative status in high Fructose fed Rats **Asadi S.**, Sohrabi M. , Zarei S., Ghyasvand T., Rezaei Farimani A., Goodarzi MT, Apr 2014, International journal of biological sciences

2) Comparison of salivary nitric oxide and epidermal growth factor level between diabetic patients and healthy individuals, Hamid Reza Abdolsamadi, Fatemeh Rezaei, Mohammad Taghi Goodarzi, Abbas Moghimbeigi, Mina Jazaeri, **Soheila Asadi** . Fatemeh Ahmadi-Motamayel . International Journal of Diabetes in Developing Countries, 2014

3)Resveratrol-Dependent Down-regulation of Receptor for Advanced Glycation End-products and Oxidative Stress in Kidney of Rats With Diabetes, Heresh Moridi, Jamshid Karimi, · Nasrin Sheikh, Mohammad Taghi Goodarzi,<sup>2</sup> Massoud Saidijam, Reza Yadegarazari, Mohammad Khazaei, Iraj Khodadadi, Heidar

Tavilani, Hossein Piri, **Soheila Asadi**, Sadegh Zarei, and Azam Rezaei, Apr 2015  
International Journal of Endocrinology and Metabolism

4) Effect of Resveratrol Supplementation on the SNARE Proteins Expression in Adipose Tissue of Streptozotocin-Nicotinamide Induced Type 2 Diabetic Rats  
Azam Rezaei Farimani, Massoud Saidijam, , Mohammad Taghi Goodarzi, Reza Yadegar Azari, **Soheila Asadi**, Sadegh Zarei and Nooshin Shabab., May 2014  
Iranian Journal of Medical Sciences

5) Resveratrol attenuates visfatin and vaspin genes expression in adipose tissue of rats with type 2 diabetes. **Soheila Asadi**, Mohammad Taghi Goodarzi, Massoud Saidijam, Jamshid Karimi, Reza Yadegar Azari, Azam Rezaei Farimani, and Iraj Salehi Jun 2015 Iranian Journal of Basic Medical Science

6) Toxicity of zinc oxide nanoparticles on adult male Wistar rats Author Roghayeh Abbasalipourkabar , Hemen Moradi ,Sadegh Zarei ,**SoheilaAsadi** ArefSalehzadeh, Abolfazl Ghafouri khosroshahi, Motahareh Mortazavi Nasrin Ziamajidi August 2015 Food and chemical toxicology

7) Resveratrol Attenuates Copper and Zinc Homeostasis and Ameliorates Oxidative Stress in Type 2 Diabetic Rats, **Soheila Asadi**, Mohammad Nabi Moradi, Nejat Khyripour, Mohammad Taghi Goodarzi, Marzieh Mahmoodi, 2017 Biological Trace Element Research

8) Evaluation of pro-oxidant-antioxidant balance (PAB) and its association with inflammatory cytokines in polycystic ovary syndrome (PCOS) T. Artimani, J. Karimi, M. Mehdizadeh, M. Yavangi, E. Khanlarzadeh, M. Ghorbani, **S. Asadi** & N. Kheiripour, Sep 2017, Gynecological Endocrinology

9) Study of the effect of zinc oxide on enzymatic antioxidant activity in male rats, Sadegh Zarei , Hemen Moradi , **Soheila Asadi** , Roghayeh

Aabbasalipourkabir , Nasrin Ziamajidi Pajouhan Scientific Journal, Spring 2017

10) Does curcumin or metformin attenuate oxidative stress and diabetic nephropathy in rats?**Soheila Asadi**, Mohammad Taghi Goodarzi, Jamshid Karimi, Mohammad Hashemnia, Iraj Khodadadi, 2018

11)Effects of Resveratrol on FOXO1 and FOXO3a gene expression in adipose tissue, and serum insulin, insulin resistance and serum SOD activity in the type 2 diabetic rats , **Soheila Asadi**, Zohreh Rahimi, Massoud Saidijam , Nooshin Shabab, Mohammad Taghi Goodarzi, International Journal of Medical Laboratory, 2018

12) Effect of resveratrol on SNARE protein expression and insulin resistance in skeletal muscle of diabetic rats. Azam Rezaei Farimani, Mohammad Taghi Goodarzi, Massoud Saidijam, ,Reza Yadegar Azari, Sadegh Zarei, Soheila Asadi. Iranian journal of basic medical science

13) Curcumin: hopeful treatment of hemophilic arthropathy via inhibition of inflammation and angiogenesis. Fatemeh Norooznejad, Carlos rodriguez-Merchan, Soheila Asadi, Amir Hossein Norooznejad. Expert Review of Hematology journal.

14) The RASS Genes Polymorphism and the Risk of Preeclampsia: a Systematic Review and Meta-analysis. Int j Fertil Steril. Soheila Asadi, Khadije Najaf Ghobadi , Zohreh Rahimi, submitted.

15) Khalili F, Vaisi-Raygani A, Shakiba E, Kohsari M, Dehbani M, Naseri R, et al. Oxidative stress parameters and keap 1 variants in T2DM: Association with T2DM, diabetic neuropathy, diabetic retinopathy, and obesity. Journal of clinical laboratory analysis. 2022;36:e24163

## **M.Sc. Thesis:**

Study the effect of Resveratrol on Visfatin and Vaspin gene expression in male rats adipose tissue with type 2 diabetes induced by streptozocin and nicotinamide,

Supervisors:

Mohamad Taghi Goodarzi, Masuod Saeide Jam. Hamadan University of Medical Sciences, Hamadan, Iran.

## **Ph.D . Thesis:**

The comparative effects of curcumin and metformin on Nrf2, Bax and Bcl-2 gene expression and Bax and Bcl-2 protein expression in kidney tissue of type 1 diabetic rats

Supervisors: Dr. Iraj khodadadi , Dr. Mohammad Taghi Goodarzi, Hamadan University of Medical Sciences, Hamadan, Iran.

## **Research Interests**

Diabetic nephropathy

Oxidative stress

Diabetes and complication associated with diabetes

Study the molecular effects of herbal poly phenol such as curcuma and Resveratrol on diabetes and oxidative stress

Understanding Signaling Pathways in oxidative stress and diabetes

## **Knowledge of Laboratory Techniques:**

Western Blotting

Molecular Genetics Techniques such as DNA extraction, RNA extraction, PCR, RT-PCR, ELISA

Designing primers by allele ID software and Primer 3

Cell culture techniques

End not and SPSS, Graph Pad prism, Reference manager

## **Congress**

- 1) The 5<sup>th</sup> international congress of Biochemistry and 13<sup>th</sup> Iranian congress of Biochemistry and molecular Biology, Yazd, Iran, 2013, Comparison the effect of three traditional Iranian plants on insulin resistance in diabetic model induced by high fructose diet in rat (poster).
- 2) The 5<sup>th</sup> international congress of Biochemistry and 13<sup>th</sup> Iranian congress of Biochemistry and molecular Biology, Yazd, Iran, 2013, Salivary Nitric oxide and Epidermal Growth factor in diabetic patients (poster).
- 3) The 5<sup>th</sup> international congress of Biochemistry and 13<sup>th</sup> Iranian congress of Biochemistry and molecular Biology, Yazd, Iran, 2013, Study of Plasma Omentin & Visfatin and their correlation with IGF-I in women with Metabolic Syndrome (poster).
- 4) 4th.iranian Congress of Trace Elements, Hamadan. Iran. 2015. Resveratrol attenuate trace element hemostasis and ameliorate oxidative stress in Type 2 diabetic rats( Oral presentation)

