

Curriculum Vitae

Marzieh Rashedinia

Personal Information:

First name: Marzieh

Last name: Rashedinia

Date and place of birth: 2.08.1982, Shiraz, Iran

Marital Status: Married

E-mail: Rashedinia@sums.ac.ir

Present Position: Assistant Professor of Toxicology, Department of Pharmacology and Toxicology, School of Pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran.

Education:

PhD, 2013: Toxicology: School of pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran.

MSc, 2009: Toxicology: School of Pharmacy, Shiraz University of Medical Sciences, Shiraz, Iran.

BSc, 2005: Cellular and Molecular Biology: School of Sciences, Shiraz University, Shiraz, Iran.

Research Techniques and Experiences

- Cell culture
- Mechanisms of cytotoxicity
- Western blotting
- Proteomics
- Real Time PCR
- Immunoprecipitation (IP)
- HPLC
- In vivo animal studies

Publications:

1. Arabsofghar R, Saberzadeh J, Khodaei F, Abbasi Borojeni R, Khorsand M and **Rashedinia M**. The protective effect of sodium benzoate on aluminum toxicity in PC12 cell line. Research in Pharmaceutical Sciences. (*In Press*)
2. Yazdian–Robati R, Ahmadi H, Riahi MM, Lari P, Aledavood SA, **Rashedinia M**, et al. Comparative proteome analysis of human esophageal cancer and adjacent normal tissues. Iranian journal of basic medical sciences. 2017;20(3):265.
3. **Rashedinia M**, Jamshidzadeh A, Mehrabadi AR, Niknahad H. Prevention of phosphine-induced cytotoxicity by nutrients in HepG2 cells. The Indian journal of medical research. 2016;144(4):560.
4. **Rashedinia M**, Hosseinzadeh H, Imenshahidi M, Lari P, Razavi BM, Abnous K. Effect of exposure to diazinon on adult rat’s brain. Toxicology and industrial health. 2016;32(4):714-20.
5. Khansarizadeh M, Mokhtarzadeh A, **Rashedinia M**, Taghdisi S, Lari P, Abnous K, et al. Identification of possible cytotoxicity mechanism of polyethylenimine by proteomics analysis. Human & experimental toxicology. 2016;35(4):377-87.
6. Yazdian-Robati R, Pourtaji A, **Rashedinia M**, Hosseinzadeh H, Ghorbani M, Razavi BM, et al. Screening and identification of SUMP-proteins in sub-acute treatment with diazinon. Iranian journal of basic medical sciences. 2015;18(12):1240.
7. **Rashedinia M**, Lari P, Abnous K, Hosseinzadeh H. Protective effect of crocin on acrolein-induced tau phosphorylation in the rat brain. Acta Neurobiol Exp. 2015;75:208-19.
8. Mehrabadi AR, Jamshidzadeh A, **Rashedinia M**, Niknahad H. Study of the effects of ATP suppliers and thiol reductants on toxicity of pioglitazone in isolated rat liver mitochondria. Iranian journal of pharmaceutical research: IJPR. 2015;14(3):825.
9. Lari P, Abnous K, Imenshahidi M, **Rashedinia M**, Razavi M, Hosseinzadeh H. Evaluation of diazinon-induced hepatotoxicity and protective effects of crocin. Toxicology and industrial health. 2015;31(4):367-76.
10. Lari P, **Rashedinia M**, Abnous K, Hosseinzadeh H. Crocin improves lipid dysregulation in subacute diazinon exposure through ERK1/2 pathway in rat liver. Drug research. 2014;64(06):301-5.
11. 10.Lari P, **Rashedinia M**, Abnous K, Hosseinzadeh H. Alteration of protein profile in rat liver of animals exposed to subacute diazinon: a proteomic approach. Electrophoresis. 2014;35(10):1419-27.

12. Firouzi Z, Lari P, **Rashedinia M**, Ramezani M, Iranshahi M, Abnous K. Proteomics screening of molecular targets of curcumin in mouse brain. *Life sciences*. 2014;98(1):12-7.
13. Hosseini AR, Vahabzadeh M, **Rashedinia M**, Riahi-Zanjani B, Karimi G. A survey of aflatoxins in sesame seeds imported into Khorasan Province, Iran. *Mycotoxin research*. 2014;30(1):43-6.
14. **Rashedinia M**, Lari P, Abnous K, Hosseinzadeh H. Proteomic analysis of rat cerebral cortex following subchronic acrolein toxicity. *Toxicology and applied pharmacology*. 2013;272(1):199-207.
15. Hosseinzadeh H, Tabassi SAS, Moghadam NM, **Rashedinia M**, Mehri S. Antioxidant activity of *Pistacia vera* fruits, leaves and gum extracts. *Iranian journal of pharmaceutical research: IJPR*. 2012;11(3):879.
16. Karimi G, Vahabzadeh M, Lari P, **Rashedinia M**, Moshiri M. "Silymarin", a promising pharmacological agent for treatment of diseases. *Iranian journal of basic medical sciences*. 2011;14(4):308.

Books:

1. Karimi Gh, **Rashedinia M**, Lari P, Vahabzadeh M, Taghiabadi E, Razavi M. *Natural Toxins*. First edition (2012). Mashhad University of Medical Sciences publisher. (in Persian)
2. "Acrylamide" monograph in: *Encyclopedia of Toxicology*. 3rd ed. 2014.

Award:

Best Paper Award, 4th Research congress, Mashhad, 2011 Iran.

Abstracts and Congress Presentations:

1. **Rashedinia M**, Arabsolghar R, Saberzadeh J, Khorsand M, Rasti H. Glycyrrhizic acid modulates aluminium-induced oxidative stress and apoptosis in PC12 cells. 6th national congress on medical plants. Tehran, Iran. 9-10 May 2017, **Poster**.
2. **Rashedinia M**, Hosseinzadeh H, Abnous KH. Subacute acrolein exposure elevates early markers of neurodegenerative disease in rats. 12th Iranian congress of Toxicology and Iranian Congress of Poisonings. Sari. Iran. 15-17-May 2013, **Poster**.
3. **Rashedinia M**, Hosseinzadeh H, Abnous KH. Proteomic changes in rat brain cortex following Acrolein toxicity. 13th Iranian Pharmaceutical Sciences Congress (IPSC 2012), Esfahan, Iran, **Poster**.

4. **Rashedinia M**, Hosseinzadeh H, Abnous KH. Proteomic analysis of rat cerebral cortex following acrolein toxicity and protective effect of Crocin. Basic and Clinical Neuroscience congress (BCNC). Nov. 2012. Tehran. Iran, **Poster**.
5. **Rashedinia M**. Ricin a bioterrorism agent. The Iranian congress of chemical warfare agents and terrorism.2011, Birjand, Iran, **Poster**.
6. **Rashedinia M**. Air pollution and neurodegenerative disease. 11th Congress of Iranian Society of Toxicology, 13-15 September 2011. Mashhad, Iran, **Poster**.
7. **Rashedinia M**, Hosseinzadeh H, Abnous KH, Razavi M, Lari P. Effects of diazinon on neurotoxicity and protective effect of crocin in rat brain. 10th International Scientific Congress of the Asia Pacific Association of Medical Toxicology. Penang, Malaysia, 11-14 November, 2011, **Poster**.
8. **Rashedinia M**, Niknahad H, Jamshidzadeh A. Prevention of phosphine-induced cytotoxicity by nutrients in HepG2 cells. 12th Iranian Pharmaceutical Sciences Congress (IPSC 2010), 2– 5 Aug ,2010, Zanjan, Iran, **Poster**.
9. Iranian Congress on Acrylamide and its Challenges on Food Industry. May 27th, 2010, Mashhad, Iran, **Poster**.
10. **Rashedinia M**, Hosseinzadeh H, Imenshahidi M, Arasteh A. The effect of Aqueous Extracts of *Crocus sativus* L. On Morphine dependency in Conditioned Place Preference model in mice. Iranian Congress of Addiction, Poisoning and nursing Care. 27 Oct- 29 Oct, 2010, Mashhad, Iran, **Poster**.
11. **Rashedinia M**, Jamshidzadeh A, Niknahad H, Ahmadi M. Hepatoprotective activity of different fraction of *Fumaria Parviflora* extract against CCl₄- induced liver damage in rats.10th Iranian congress of toxicology , Tehran 2009, **lecturer**.
12. **Rashedinia M**. Application of Stem cells. 7th Research day of pharmacy students, Shiraz, 2007, **lecturer**.