

**Personal details:**

Name: Leila Hosseinzadeh, e-mail; l\_hosseinzadeh@yahoo.com

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**Education:**

2006 – 2010: Ph.D of Toxicology – Mashhad University of Medical Sciences and Health Service, Mashhad, IR Iran.

1998 – 2000: MSc of Toxicology and pharmacology – Tehran University of Medical Sciences and Health Service, Tehran, IR Iran.

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**Experiences:**

-Assistant professor of Toxicology, Toxicology and Pharmacology Department, Faculty of Pharmacy, Kermanshah Medical Sciences University, Kermanshah, Iran.

-Director of cell culture laboratory , Pharmacy faculty of Shahid Beheshti Medical Sciences University .2000 – 2006.

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**MSc Thesis:**

**Title:** Evaluation of lung Paraquat toxicity by rat isolated lung perfusion system.

**Supervisor:** Dr M. Ghazi Khansari.(MSc, PhD)

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**Ph.D Thesis**

**Title:** Molecular mechanisms involved in the effect of Curcumin on apoptosis induced by doxorubicin in rat cardiomyocytes (H9c2).

**Supervisor:** Prof. Gh.Karimi(PharmD, PhD), Prof. J.Behravan(PharmD, PhD).

**Publications**

-**Leila Hosseinzadeh**, Javad Behravan, Fatemeh Mosaffa, Gholamreza Bahrami, Ahmad Reza Bahrami, Gholamreza Karimi, Curcumin potentiates doxorubicin-induced apoptosis in H9c2

cardiac muscle cells through generation of reactive oxygen species. Food and Chemical Toxicology 2011.(in press).

**-Leila Hosseinzadeh**, Javad Behravan, Fatemeh Mosaffa, Gholamreza Bahrami, Ahmad Reza Bahrami, Gholamreza Karimi, Effect of Curcumin on Doxorubicin-induced Cytotoxicity in H9c2 Cardiomyoblast Cells. Iranian Journal of Basic Medical Sciences, 14(1): 49-56, 2011.

- Hamid reza Rasekh ,Pardis Nazari ,Mohammad Kamili Nejad and **Leila osseinzadeh**”Acute and Subchronic Oral Toxicity of Galega Officinalis in rat “ J of Ethno Pharmacology 116 (1): 21- 26 2008.

- Farshad H. Shirazi, Hassan Yazdan panah, Felor Khoshjoo, and **Leila Hosseinzadeh**. "Pistachio extracts effects on the Aflatoxin B<sub>1</sub> Cytotoxicity in HepG<sub>2</sub> Cells." International Journal of Pharmacology 2(2): 223-239, 2006.

- Hamid Reza Rasekh, Hassan Yazdanpanah, **Leila Hosseinzadeh**, Narges Bazmohammadi and Mohammad Kamalinejad. "Acut and Subchronic Toxicity of Teucrium Polium Total Extract in Rats." Iranian Journal of Pharmaceutical Research. (IJPR )4: 245-249, 2005.

- F.H. Shirazi, M. Shokrzadeh, M Abdollahi, F.B. Rahimi and **L. Hosseinzadeh**. "Relationship of cellular Gluthation concentration with the cytotoxicity of Acetaminophen in different cell lines" Int. J. Biol. Biotech. 2(2): 397- 402, 2005.

- F.H. Shirazi, M. Shokrzadeh, **L. Hosseinzadeh**. Cellular cytotoxicity of Arsenic and its Association with cellular Glutathione. Chemistry an Indian Journal.1(10) : 689-692.2005.

- M. Ghazi Khansari, M. Amir Ahmadi, **L. Hosseinzadeh**, B. Minaee, Evaluation of lung toxicity of nitrofurention using rat isolated lung perfusion system . Toxicology, Vol. 164 NoS: 1-3 July 2001.

- M. Ghazi Khansari, **L. Hosseinzadeh**, M. Amirahmadi, B. Minaee. Evaluation of lung toxicity of paraquat using rat isolated lung perfusion system . Toxicology Letters .Vol .116 Suppl .1 .September 2000.

## **Presentations:**

- **L.Hosseinzadeh**, Gho-Karim , J.Behravan, F.T Mosaffa. Doxorubicin induced apoptosis in H9c2 cells through intrinsic pathway. 1<sup>st</sup> ISCCMM, 16-19 Feb, 2011 Shiraz, Iran.

-**L.Hosseinzadeh**, Gho-Karim , J.Behravan, F.T Mosaffa. Effect of cucumin on doxorubicin induced apoptosis in H9C2 cells .IPSC, 5-2 August, 2010 Zanjan, Iran(Oral Presentation).

- Gho-Karimi, J.Behravan, **L.Hosseinzadeh** and F.T Mosaffa. Protective effect of crocin on doxorubicin induced apoptosis in H9C2 cells .International symposium on saffron a herbal medicine of 3<sup>rd</sup> millennium.13-14 May 2009, Mashhad Iran.
- Farhadi E, Shirazi F ,**Hosseinzadeh L** Yazdan Panah H Mehdizadeh A . FTIR comparison of sensitive and Resistance Cells to Cisplatin . Iranian Journal of Pharmaceutical Sciences, 2(3), Supp 1, 2006.
- Aryanpoor N, Shirazi F, Mansoori M, **Hosseinzadeh L**. Cytotoxicity Definition of Seven Palladium Center Compound Derived From Cisplatin in Tow Cell Lines: A549 and Hepg2. Iranian Journal of Pharmaceutical Sciences, 2(3), Supp 1, 2006.
- F. Shirazi, Bardia Jamali, **Leila Hosseinzadeh**, Salimeh Amidy "Importance of Intracellular GSH level for the Prediction of Resistance to ciplatin in cancer Patients", 3<sup>rd</sup> Qatar International medical congress (QIMC) 8-13 November 2005.
- F.H. Shirazi, Mohamad Shokrzadeh, **L. Hossenazadeh** and et al. "Relationship of intracellular glutathion concentration with the cytotoxicity of cisplatin, Acetaminophen and Arsenic in tumor cell lines, 96 th Ann. Meeting Am. Ass. Cancer Res , Anaheim , CA,USA, April 17-21,#1485 2005.
- Shirazi F.H., **Hosseinzadeh L.**, Tourshabi M., Molepo J and Cool R., "Kinetics of Cellular Gluthathione after exposure of three cell lines to cioplatin and its monomethionin dervative, 95<sup>th</sup> Ann meeting Am. Ass. Cancer Research-Orlando. FI. USA, 27-31. 2004 #LB30.
- Shirazi FH ,**Hosseinzadeh L** ,Torshabi M . Lack of direct correlation between the total cellular GSH level reduction with cisplatin cytotoxicity in three different tumor cell lines .8<sup>th</sup> Iranian congress of Toxicology , December 6-8 , 2004, Tehran Iran .
- Shirazi FH ,**Hosseinzadeh L** ,Torshabi M .A comparison of the cytotoxic effect of Cisplatin and two its metabolites in SKOV3 and A549 cells . 8<sup>th</sup> Iranian congress of Toxicology , December 6-8 , 2004, Tehran Iran .
- Ahmadi Neda , Kamalinejad M , **Hosseinzadeh L** , Tanbacoosazan F , Shirazi F H . Evaluation of cytotoxicity of Mentha Poleygium arial parts and leaves on human ovarian carcinoma. . 8<sup>th</sup> Iranian seminar of pharmaceutical sciences, Shiraz ,Aug 27-29 , 2002 .
- Bahrami SH., Moeen MR, **Hosseinzadeh L**, Shirazi FH . AVECINA Maria cytotoxicity evaluation on human skin and kidney cell line . 8<sup>th</sup> Iranian seminar of pharmaceutical sciences, Shiraz, Aug 27-29, 2002.
- Shirazi FH ,**Hosseinzadeh L** ,Torshabi M , Goel R .Chemical structure is a more important factor than cellular GSH level for Platinium compound. 8<sup>th</sup> Iranian seminar of pharmaceutical sciences, Shiraz, Aug 27-29, 2002.
- Vakili N , Abdi H , **Hosseinzadeh L** ,Shirazi FH , Goal R . Study of cisplatin cellular effects using IR spectroscopy .8<sup>th</sup> Iranian seminar of pharmaceutical sciences, Shiraz ,Aug 27-29 , 2002.
- Hosseinzadeh L** Aslani M Kamalinejad M Mirghazanfaree M Acute and subchronic toxicity of Echinophora Platyloba Total Extract in Wistar Rats .18<sup>th</sup> Iranian Congress of Physiology & Pharmacology ,26 – 30 August 2007 , Mashad, Iran.

-Rasekh HR ,**Hosseinzadeh L** Kamalinejad M ,Aslsni M Almosavi M , “Acute and subchronic toxicity of Occimum Basilicum Ethanolic Extract in Rats “ Iranian Journal of Pharmaceutical Sciences ,2(3) ,Supp 1 ,2006.

-Rasekh HR ,Shahgoli B ,**Hosseinzadeh L** , “ Liver Histopathological Effect of Occimum Basilicum Ethanolic Extract in Rats “Iranian Journal of Pharmaceutical Sciences, 2(3) ,Supp 1, 2006.

- Rasekh HR, Nazari P ,Hosseinzadeh L , Acute and Subchronic Toxicity of Galega officinalis L in Wistar Rats . Iranian Journal of Pharmaceutical Sciences, 2(3), Supp 1, 2006.

- Rasekh H., **Hosseinzadeh L.**, Nazari P., Kamalinejad M. "Acute Toxicity of Galega officinalis alcoholic extract in rats. IJPR, proceeding of 2<sup>nd</sup> International congress on traditional medicine and materia medicin, October 4-7, 2004.

- H.R. Rasekh, M. Kamalinejad, **L. Hosseinzadeh**. Subchronic Toxicity of Teucrium Polium In Rats. Toxicology and applied pharmacology, 197(3), 2004.

- H.R. Rasekh, M. Kamalinejad, **L. Hosseinzadeh**. Subchronic Toxicity of Teucrium Polium In Rats. Toxicology and applied pharmacology V: 197 N: 3 June 15, 2004.

### **Thesis:**

-Mahdavoodi M., 2004, Evaluation of Anti Hypercholestromic Effect of Teucrium Polium Fractiones in The Diabetic Male Rats. (Pharm D as Co –Supervisor).

-Bazmohammadi N, 2002, Acute and subchronic Toxicity of Teucrium polium total extract in Rats, (Pharm D as Co –Supervisor).

### **Work Shops:**

Mar 2011 Angiogenesis models, Molecular biology research center, Faculty of medicine, Medical Sciences University of Kermanshah, Iran.

Feb 2010 Application of Real time RT-PCR in medicine, Faculty of medicine Medical Sciences University of Mashhad, Iran.

Nov 2009 Dissociation cell techniques, University Of Ferdowsi, Mashhad, Iran.

Oct 2008 Principles of Gas Chromatography. Food and Drug Control labs of Medical Sciences University Of Mashhad Iran.

Jan 2005 IR Control and analysis of Mycotoxins in IR Iran, Food and Drug Control labs of health ministry, Tehran IR Iran.

Dec 2004 Cytotoxicity assay methods, Pharmacy School, Shaheed Beheshti University of Medical Science and Health Service, Tehran, IR Iran.

Mar 2004 Animal organ perfusion, Tehran University of Medical Science and Health Service, Tehran, IR Iran.

Nov 2003 Mycotoxins and Analysis Methods. Food and drug Control labs of ministry of Health, Tehran IR Iran.

Oct 2003 Mycotoxins and Analysis Methods. Food and drug Control labs of ministry of Health, Tehran Iran.

**Award and Honor:**

- Second honor graduated student among all medical toxicology students in Tehran Medical sciences university, 2002, Tehran, Iran.

- Highest score on Ph.D qualifying exam (board) of Toxicology in Pharmacy Faculty of Mashhad Medical Sciences University, 2008, Mashhad, IR Iran.

**Skills:**

-Cell culture technique: Cytotoxicity evaluation methods (such as MTT assay ,SRB assay ,Clonogenic Assay ), Eliza.

- Molecular technique: DNA & RNA extraction , Protein extraction, PCR ,Real Time RT - PCR and Flow Cytometry.

-Animal handling: Injection, gavag , surgery , perfusion of rat lung and liver .