



CURICULUM VITAE

Aziz Eftekhari

Ph.D in Toxicology & Pharmacology

Email: Ftekhari@ymail.com

Personal information:

Name: Aziz

Date of birth: Ajabshir

Place of birth: February 18, 1986

Marital status: Married

Tel: 98 41 3727 63 63

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Education:

- **PhD in Toxicology:** Tabriz University of Medical Sciences, Faculty of Pharmacy, Toxicology and Pharmacology department. April 2015.

Thesis title:

“Evaluation of the mechanisms of hepatic injuries induced by Olanzapine, Risperidone, Thioridazine”.

M.Sc in Toxicology: Kerman University of Medical Sciences, Faculty of Pharmacy, Toxicology and Pharmacology department, Kerman, IRAN. June 2012

Thesis title:

- "TGF-β1 codon 10 and codon 25 polymorphisms in workers of sour and sweet natural gas refineries and their relations to lung functional parameters".

Research field and interests:

Drug/alcohol abuse and poisoning

Cellular and molecular toxicity

Natural chemicals and their nanoformulations in cancer treatment

Environmental pollutants monitoring and toxicity

Mitochondrial mediated signaling pathway in cancer and toxicities

Infertility and developmental toxicology

Development of molecular targeted agents and biomarkers in cancer

Gap Junctional Regulation of Signal Transduction in organ toxicities

Neurological disease and neurotoxicity

Professional experiences (researches and teachings)

I have been involved in teaching of the following subjects:

- Toxicology (theory & practice)
- Food poisoning
- Pharmacology (theory & practice)
- Food & drug safety
- Principles of Toxicology
- Environmental Toxicology (theory & practice)
- Industrial Toxicology (theory & practice),
- Toxicology Lab techniques and equipment,
- Specific Molecular Skills and Lab technique

Executive experiences:

-Advisor of Basic Science Students, Maragheh University of Medical Sciences, 2017-continue

-Member of Research Council, Maragheh University of Medical Sciences, 2018

-Executive Member of the 5th Congress of Medical Bacteriology 15-17 August 2018

-IRAN Executive Member of the 21th Congress of Physiology and Pharmacology 23-27 August 2013, Tabriz, IRAN

Awards

-Top Researchers of Maragheh University of Medical Sciences in research, technology and entrepreneurship festival of Maragheh University of Medical Sciences 2018

-Level 1 Bursary of EUROTOX 2014 in the 50th Congress of the European Societies of Toxicology, Edinburgh, Uk.

-Federation of national societies of toxicology in Europe (EUROTOX) Fellowship Award for TurkHelTox2015

Memberships of scientific societies:

Member of Iranian Toxicology Society

Member of American Society of Toxicology

Membership of the International Neurotoxin Association (INA)

Publications in peer reviewed journals

An update on calcium carbonate nanoparticles as cancer drug/gene delivery system S Maleki Dizaj, S Sharifi, E Ahmadian, A Eftekhari, K Adibkia, F Lotfipour Expert opinion on drug delivery 2019

The role and therapeutic potential of connexins, pannexins and their channels in Parkinson's disease E Ahmadian, A Eftekhari, M Samiei, SM Dizaj, M Vinken Cellular Signalling 2019

A review on potential toxicity of dental material and screening their biocompatibility S Shahi, M Özcan, ..., A Eftekhari, Toxicology mechanisms and methods,2019

Cytoprotective Properties of Carnosine against Isoniazid-Induced Toxicity in Primary Cultured Rat Hepatocytes A Eftekhari, et al Pharmaceutical Sciences 2018

Bioassay of saliva proteins: The best alternative for conventional methods in non-invasive diagnosis of cancer A Eftekhari, M Hasanzadeh, S Sharifi, SM Dizaj, R Khalilov, E Ahmadian International journal of biological macromolecules 2019

Effect of silver nanoparticles in the induction of apoptosis on human hepatocellular carcinoma (HepG2) cell line E Ahmadian, SM Dizaj, E Rahimpour, A Hasanzadeh, A Eftekhari, ... Materials Science and Engineering 2018

The promising future of nano-antioxidant therapy against environmental pollutants induced-toxicities A Eftekhari, SM Dizaj, L Chodari, S Sunar, A Hasanzadeh, E Ahmadian, ... *Biomedicine & Pharmacotherapy* 2018

An innovative immunosensor for ultrasensitive detection of breast cancer specific carbohydrate (CA 15-3) in unprocessed human plasma and MCF-7 breast cancer cell lysates using M Hasanzadeh, S Tagi, E Solhi, A Mokhtarzadeh, N Shadjou, A Eftekhari, ... *International journal of biological macromolecules* 2018

The application of novel mitochondria-targeted antioxidants: current strategies and future perspectives A Eftekhari *Journal of advanced chemical and pharmaceutical materials (JACPM)* 1 (1), 1-2

The protective and antioxidant role of betanin against atrazine-induced toxicity in primary cultured rat hepatocytes A Eftekhari, H Ahmadian, MA Eghbal, E Ahmadian *Journal of advanced chemical and pharmaceutical materials (JACPM)* 2018

Novel angiotensin receptor blocker, azilsartan induces oxidative stress and NFκB-mediated apoptosis in hepatocellular carcinoma cell line HepG2 E Ahmadian, AY Khosroushahi, A Eftekhari, S Farajnia, H Babaei, ... *Biomedicine & Pharmacotherapy* 2018

Hepatoprotective and free radical scavenging actions of quercetin nanoparticles on aflatoxin B1-induced liver damage: in vitro/in vivo studies A Eftekhari, E Ahmadian, V Panahi-Azar, H Hosseini, M Tabibiazar, ... *Artificial cells, nanomedicine, and biotechnology* 2018

The Effects of Cimetidine, N-Acetylcysteine, and Taurine on Thioridazine Metabolic Activation and Induction of Oxidative Stress in Isolated Rat Hepatocytes A Eftekhari, E Ahmadian, Y Azarmi, A Parvizpur, JK Fard, MA Eghbal *Pharmaceutical Chemistry Journal* 51 (11), 2018

Protective effects of coenzyme Q10 nanoparticles on dichlorvos-induced hepatotoxicity and mitochondrial/lysosomal injury A Eftekhari, E Ahmadian, A Azami, M Johari-Ahar, MA Eghbal *Environmental toxicology* 33 (2), 2018

Mechanistic Approach for Thioridazine-Induced Hepatotoxicity and Potential Benefits of Melatonin and/or Coenzyme Q10 on Freshly Isolated Rat Hepatocytes A Eftekhari, E Ahmadian, Y Azarmi, A Parvizpur, JK Fard, MA Eghbal *Iranian Journal of Pharmaceutical Research: IJPR* 17 (4), 2018

Betanin reduces organophosphate induced cytotoxicity in primary hepatocyte via an anti-oxidative and mitochondrial dependent pathway E Ahmadian, AY Khosroushahi, MA Eghbal, A Eftekhari *Pesticide biochemistry and physiology* 144, 2018

In vitro and in vivo evaluation of the mechanisms of citalopram-induced hepatotoxicity E Ahmadian, A Eftekhari, JK Fard, H Babaei, AM Nayebi, ... *Archives of pharmacal research* 40 (11), 2018

Anti-Cancer Effects of Citalopram on Hepatocellular Carcinoma Cells Occur via Cytochrome C Release and the Activation of NF-kB E Ahmadian, A Eftekhari, H Babaei, A M Nayebi, M A Eghbal *Anti-Cancer Agents in Medicinal Chemistry* 2017

Poly arginine-graphene quantum dots as a biocompatible and non-toxic nanocomposite: Layer-by-layer electrochemical preparation, characterization and non-invasive ... M Hasanzadeh, F Mokhtari, N Shadjou, A Eftekhari, A Mokhtarzadeh, ... *Materials Science and Engineering: C* 75, 2017

Mechanistic approach for toxic effects of bupropion in primary rat hepatocytes E Ahmadian, H Babaei, AM Nayebi, A Eftekhari, MA Eghbal *Drug research* 67 (04), 2017

Current Research of the Renin-Angiotensin System Effect on Stem Cell Therapy E Ahmadian, A Eftekhari, AY Khosroushahi *Renin-Angiotensin System-Past, Present and Future*

Venlafaxine-Induced Cytotoxicity Towards Isolated Rat Hepatocytes Involves Oxidative Stress and Mitochondrial/Lysosomal Dysfunction E Ahmadian, H Babaei, AM Nayebi, A Eftekhari, MA Eghbal *Advanced pharmaceutical bulletin* 6 (4), 2017

Role of renin-angiotensin system in liver diseases: An outline on the potential therapeutic points of intervention E Ahmadian, PS Pennefather, A Eftekhari, R Heidari, MA Eghbal *Expert Review of Gastroenterology & Hepatology* 10 (11), 2017

In vitro/vivo studies towards mechanisms of risperidone-induced oxidative stress and the protective role of coenzyme Q10 and N-acetylcysteine A Eftekhari, E Ahmadian, Y Azarmi, A Parvizpur, H Hamishehkar, ... *Toxicology Mechanisms and Methods* 26 (7), 2017

Triazole rizatriptan induces liver toxicity through lysosomal/mitochondrial dysfunction JK Fard, H Hamzeiy, M Sattari, A Eftekhari, E Ahmadian, MA Eghbal *Drug research* 66 (09), 2017

Involvement of oxidative stress and mitochondrial/lysosomal cross-talk in olanzapine cytotoxicity in freshly isolated rat hepatocytes A Eftekhari, Y Azarmi, A Parvizpur, MA Eghbal *Xenobiotica* 46 (4), 2017

A Review of Biological and Pharmacological Actions of Melatonin: Oxidant and Prooxidant Properties. MA Eghbal, A Eftekhari, E Ahmadian, Y Azarmi, A Parvizpur *Pharmaceutical Bioprocessing* 4 (4), 2016

TGF 1 codon-10 and codon-25 polymorphisms influence the spirometry parameters in the workers of sweet-and sour-gas refinery plants A Eftekhari, A Saeedi, A Mandegary, E Ahmadian, H Mohammadi *Toxicology Letters*, 2015

Hepatoprotective effect of silymarin in individuals chronically exposed to hydrogen sulfide; modulating influence of TNF- α cytokine genetic polymorphism A Mandegary, A Saeedi, A Eftekhari, V Montazeri, E Sharif *DARU Journal of Pharmaceutical Sciences* 21 (1), 2013

Abstracts presented in conferences:

Aziz Eftekhari, Elham Ahmadian, Ahmad Yari Khosroushahi , Mohammad Ali Eghbal The protective and antioxidant role of betanin in atrazine-induced liver toxicity. **Poster presentation** in 5th Annual Congress on Chemistry in Drug Discovery & Designing. April 16-17, 2018 Dubai, UAE

Elham Ahmadian, **Aziz Eftekhari**, Ahmad Yari Khosroushahi , Mohammad Ali Eghbal Azilsartan induces oxidative stress and NF-kB mediated apoptosis in hepatocellular carcinoma cell line HepG2. **Poster presentation** in 5th Annual Congress on Chemistry in Drug Discovery & Designing. April 16-17, 2018 Dubai, UAE

Aziz Eftekhari, Elham Ahmadian, Solmaz Maleki, Mohammad Ali Eghbal Cytoprotective properties of coenzyme Q10 (CoQ10) nanoparticles against dichlorvos- induced cytotoxicity in isolated rat hepatocyte. **Oral presentation** in 9th Congress of The Turkish Society of Toxicology with the Participation of the Hellenic Society of Toxicology, TurkHelTox2015 held on October 21st-24st, Çeşme. İzmir, Turkey 2015.

Aziz Eftekhari , Elham Ahmadian , Solmaz Maleki, Yadollah Azarmi, Alireza Parvizpur, Mohammad Ali Eghbal Cytoprotective properties of PLGA loaded coenzyme Q10 (CoQ10) nanoparticles against Malathion- induced cytotoxicity in isolated rat hepatocyte. 51st Congress of the European Societies of Toxicology (EUROTOX), **E-POSTER** · Porto, Portugal, SEPTEMBER 2015.

Aziz Eftekhari, Arastoo Saeedi, Ali Mandegary, Elham Ahmadian, Hamid Mohammadi, TGF 1 codon-10 and codon-25 polymorphisms influence the spirometry parameters in the workers of sweet- and sour-gas refinery plants. Toxicology Letters, the 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, Scotland, September, 2014.

Eftekhari A, Mandegary A "Opioid distinguishing on the abusers with toxicology laboratory methods" presented as a **poster** in 12th International Congress of Asian Pacific Association of Medical Toxicology, Dubai, UAE, 21st-23st, November, 2013

11th International congress of Toxicology & Iranian congress of poisonings, Mashhad university of Medical sciences, Mashhad , Iran, 13-15 September 2011. 12th International congress of Toxicology & Iranian congress of poisonings, Mazandaran university of Medical sciences, Sari , Iran, 15-17 May 2013.

21th International Iranian congress of Physiology and Pharmacology, Tabriz university of Medical sciences, Tabriz, Iran, 23-27 August 2013. 13th Iranian Pharmaceutical Sciences Congress, Isfahan University of Medical sciences, Isfahan, Iran, 3-6 September, 2012.

Books:

Current Research of the Renin-Angiotensin System Effect on Stem Cell Therapy
E Ahmadian, A Eftekhari, AY Khosroushahi Renin-Angiotensin System-Past, Present and Future

Computer skills:

SPSS Statistics • Dreamweaver, JavaScript, Flash MX and Web design Softwares. Microsoft Office Project • Acceptable Knowledge of Windows and Internet.

Foreign languages:

English, Persian, Azerbaijani, Turkish, Uzbek

Other skills:

International communication, Innovate-invent, Team work, Mountain, Table tennis