



Golrokh Farnam

Email: g_farnam@sbmu.ac.ir



Current Position at PSRC/SBMU:

Health researcher in the field of toxicological studies.

The executive officer of the virtual desk of scientific cooperation of SBMU in the CIS countries

Section editor of International Pharmacy Acta Journal

Representative of Women's Affairs of Pharmaceutical Sciences Research Center

Academic Background: Doctor of Pharmacy, PhD

Specialty:

PharmD, 2016

Shahid Beheshti University of Medical Sciences, Tehran, Iran.

PhD, 2021

Shahid Beheshti University of Medical Sciences, Tehran, Iran.

High School:

Farzanegan High School, 2016

Tehran, Iran

Work Experience:

2021-2023 Editorial Manager of Iranian Journal of Pharmaceutical Sciences

2021 – present Section Editor of International Pharmacy Acta Journal

2018 – 2021 President, International Pharmacy Students (IPharmS)

2017 – present Management of Cell Culture Laboratory, School of Pharmacy, Shahid Beheshti University of Medical Sciences

2015 - 2018 Pharmacy Technical Officer of Mofid Children's Hospital

Skills:

- Languages

Mother tongue: Farsi (Persian)

Scientific: Fluent in writing and understanding English, as well as professional and academic communication (Successful MHLE and MSRT test in English)

- Computer skills

Microsoft Office (Word, PowerPoint, Excel)

Prism

Photoshop

Python

R programming

- Laboratory skills

Cell Culturing

Animal Modeling based on International guidelines (OECD, EPA)

FTIR

HPLC

PCR

Flow Cytometry

Fluorescence Microscopy

- Communication/ administrative skills

Designing projects related to animal toxicity and writing research proposals in this field

Designing projects related to cytotoxicity and writing research proposals in this field

Designing and conducting training courses, internships and congresses.

Review of scientific articles and patents

Publications:

Full papers:

2022 The Effect of Synthesized Triazole and Ciprofloxacin Conjugated Peptide Compounds on Biological systems. Safaei Behnoosh, Baharloui Maryam, Esfandiari Mazandaran Kiana, Farnam Golrokh, Houshdar Tehrani Mohammad Hassan, Shirazi Farshad H. Iranian Journal of Pharmaceutical Sciences.

2022 Golrokh Farnam, Narges Aryanpour, Reyhaneh Behtaj, Farshad Hosseini Shirazi. The complexity of response to the proliferation agonist and antagonist agents, in the breast cancer cell lines with various receptors. Innovative Journal of Pharmaceutical Research.

2022 Nahid Ahmadi, Soraya Shahhosseini, Farshad H. Shirazi, Golrokh Farnam, Afshin Zarghi. Synthesis, Structural Characterization, and Cytotoxic Activity of New Benzo[d]imidazo[2,1-b]thiazole Derivatives Against MCF-7 Breast Cancer Cells. Innovative Journal of Pharmaceutical Research.

2021 Saeed Siavashy, Madjid Soltani, Fatemeh Ghorbani-Bidkorbeh, Newsha Fallah, Golrokh Farnam, Seyed Alireza Mortazavi, Farshad H. Shirazi, Mohammad Hassan Houshdar Tehrani, Mohammad Hossein Hamed. Microfluidic Platform for Synthesis and Optimization of Chitosan-Coated Magnetic Nanoparticles in Cisplatin Delivery. Carbohydrate Polymer.

2021 Maryam Bayanati, Soraya Shahhosseini, Farshad Hosseini Shirazi, Golrokh Farnam, Afshin Zarghi. Design, Synthesis and Biological Evaluation of 1,3-Diphenyl-3-(phenylthio) propan-1-ones as New Cytotoxic Agents. Innovative Journal of Pharmaceutical Research.

2021 Nizamova Alfina Ansafovna, Galiakhmetova Elvira Khalitovna, Mochalov Konstantin Sergeevich, Bokov Dmitry Olegovich, Golrokh Farnam, Kudashkina Natalia Vladimirovna. The determination of antioxidant activity of ethanol extracts of *Gynostemma pentaphyllum*. Iranian Journal of Pharmaceutical Sciences.

2020 Golrokh Farnam, Narges Aryanpour, Reyhaneh Behtaj, Farshad H Shirazi. Cytotoxic and Cell Progression Effects of *Mentha pulegium* L Extract on Selected Cancer Cell Lines. Iranian Journal of Pharmaceutical Sciences. 2020

2020 Mojdeh Mohseni, Sahar Barzegari, Abolfazl Dashti, Golrokh Farnam, Kamyar Keshavarz, Farshad H Shirazi. Differential attachment of Pulmonary cells attachment on PDMS substrate with varied feature. Innovative Journal of Pharmaceutical Research.

2019 Hariri S, Barzegari S, Keshavarz K, Nikounezhad N, Safaei B, Farnam G, Shirazi FH. FTIR bio-spectroscopy scattering correction using natural biological characteristics of different cell lines. Analyst.

Congresses/Abstracts:

2023 Farshad H. Shirazi, Eisa Kaveh, Ebrahim Salimi-Sabour, Golrokh Farnam. Network Pharmacology specifies matrix metalloproteinase 2 and 9 as the cellular targets for *Chenopodium album* L. extract on breast cancer cells. 6th International Cancer Congress. Tehran, Iran.

- 2023** Farshad H. Shirazi, Eisa Kaveh, Ali Jabarzadeh, Helya Bahavar, Golrokh Farnam. Luteolin Targets in Colorectal Major Diseases Treatment, A Network Pharmacology and Molecular Docking Survey. 1st Annual students congress of medical sciences universities in Tehran, Tehran, Iran.
- 2023** Saba Arefi, Mohammad Arefi, Golrokh Farnam, Farshad H. Shirazi. FTIR spectroscopy application evaluation for the diagnosis of cancer in human stomach tissue. 6th International Congress on Pharmacy Updates, Tehran, Iran.
- 2023** Mahboube Peyrovan, Golrokh Farnam, Farshad H. Shirazi. A new model for investigating spray inhalation toxicity. 6th International Congress on Pharmacy Updates, Tehran, Iran.
- 2023** Eisa Kaveh, Golrokh Farnam, Farshad H. Shirazi. Breast Cancer Cells' Androgen and beta Estrogen Receptors inhibition by luteolin; An In-Silico study. 6th International Congress on Pharmacy Updates, Tehran, Iran.
- 2022** Parnia Aftabi, Kimaya Karami, Eisa Kaveh, Golrokh Farnam, Farshad H. Shirazi. Iranian *Rosa persica* is a treasured gift with amazing antioxidant properties. IX international scientific conference of young scientists and students "Future of development of biology, medicine and pharmacy", Kazakhstan.
- 2022** Kimaya Karami, Parnia Aftabi, Eisa Kaveh, Golrokh Farnam, Farshad H. Shirazi. Iranian *Rosa persica*; an herb with a phenomenal antioxidant potency. The first International academic conference "Medicinal plants of Kyrgyzstan: Potential. Research. Use. Prospects
- 2022** Kiana Farhadi Nejad, Eisa Kaveh, Mahdi Nasiri, Golrokh Farnam, Farshad H. Shirazi. Iranian *Salvia hypoleuca* antioxidant assay with DPPH. The first International academic conference "Medicinal plants of Kyrgyzstan: Potential. Research. Use. Prospects
- 2022** Eisa Kaveh, Golrokh Farnam, Farshad H. Shirazi. The importance of DPPH antioxidant assay parameters in the measurement of *Mentha pulegium* antioxidant activity. "Medicinal plants of Kyrgyzstan: Potential. Research. Use. Prospects
- 2021** Farnam G, Barzegari S, Mohmazade Asl B, Hosseini Shirazi F. Application of FTIR Biospectroscopy for the Study of tissues development and teratology. Modern developments of pharmaceutical science and education, Kazakhstan.
- 2021** Arefi Saba, Mahdavinejad Arezou, Farnam Golrokh, Barzegari Banadkoki Sahar, Koohsari Nasim, Shadnia Shahin, H. Shirazi Farshad. Potential use of FTIR spectroscopy for the rapid identification of the blood Clonazepam in the poisoning management centers. ISCOMS 2021, University of Groningen, the Netherlands.
- 2020** Farnam G, Barzegari Banadkoki S, Mohammadzadehasl B, Hosseini Shirazi F. Evaluation of mouse fetus liver development with FTIR spectroscopy during the pregnancy. 3rd International Congress on Pharmacy Updates, Tehran, Iran.
- 2020** Farnam G, Barzegari S, Mohmazade Asl B, Hosseini Shirazi F. Evaluation of FTIR ability to differentiate various embryonic day of mouse fetal life. DISCOMS 2020, University of Groningen, the Netherlands.

- 2019** Farnam G, Hosseini Shirazi F. Introducing a new protocol for Lymph nodes effects of consumable products. Second International Congress on Pharmacy Updates, Tehran, Iran.
- 2017** Farnam G, Barzegari Banadkoki S, Mohammadzadehasl B, Hosseini Shirazi F. Identification of determinant FTIR peaks from mice fetus liver development for teratogenic assay. 14th Iranian Congress of Toxicology, Shiraz, Iran.
- 2016** Farnam G, Ashtarinezhad A, Panahyab A, Mohammadzadehasl B, Hosseini Shirazi N, Hosseini Shirazi F. Fourier Transform Infrared Microspectroscopy application in the identification of phenobarbital induced fetus defects. 18th Iranian Pharmacy Students Seminar, Tabriz, Iran.
- 2016** Ashtarinezhad A, Panahyab A, Farnam G, Mohammadzadehasl B, Hosseini Shirazi F. Metronidazole teratogenic effects on fetus legs & arms; Fourier Transform Infrared Microspectroscopy study. 3rd International Congress of Veterinary Pharmacology & Pharmaceutical Sciences, Shahrekord, Iran.
- 2015** Farnam G, Mohammadzadehasl B, Hosseini Shirazi F. Mouse organs FTIR ID peaks for toxicological studies. 14th Iranian Pharmaceutical Sciences Congress, Tehran, Iran.
- 2013** Ashtarinezhad A, Mohammadzadehasl B, Panahyab A, Farnam G, Rashedi M, Hosseini Shirazi F. Mice liver FTIR-MSP 1540 cm⁻¹ wave number as the brain drug induced teratogenic marker. 12th Iranian Congress of Toxicology, Mazandaran, Iran.
- 2013** Ashtarinezhad A, Mohammadzadehasl B, Panahyab A, Farnam G, Rashedi M, Hosseini Shirazi F. FTIR-MSP 1580 cm⁻¹ wave number as the brain drug induced teratogenic marker. 12th Iranian Congress of Toxicology, Mazandaran, Iran.