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مسئولیت در مرکز تحقیقات علوم دارویی:

استادیار

مسئول اجرایی میز مجازی همکاری‌های علمی دانشگاهی کشورهای CIS دانشگاه

Section-Editor مجله International Pharmacy Acta

نماینده امور بانوان

تحصیلات: دکترای حرفه‌ای داروسازی، دکترای تخصصی سم‌شناسی

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مهارت ها:

- زبان
 - فارسی / انگلیسی
- کامپیوتری
 - Microsoft Office (Word, PowerPoint, Excel)
 - Prism
 - Photoshop
 - R programming (مقدمانی)
 - Python Programming (مقدمانی)
- آزمایشگاهی و تکنیکی
 - FTIR
 - HPLC
 - PCR
 - Flow Cytometry
 - Fluorescence Microscopy
 - کشت سلولی
 - بررسی سمیت مواد شیمیایی و بیولوژیک استانداردهای OECD و EPA

• مهارت‌های ارتباطی/اداری

- طراحی پروژه‌های مرتبط با سمیت حیوانی و نگارش پروپوزال‌های تحقیقاتی در این حوزه
- طراحی پروژه‌های مرتبط با سمیت سلولی و نگارش پروپوزال‌های تحقیقاتی در این حوزه
- طراحی و برگزاری دوره‌های بازآموزی و برگزاری آنها
- داوری مقالات علمی و پتنت‌ها

انتشارات :

- 2025** Niki Pouyanfar, Parnia Aftabi, Golrokh Farnam, Niloofar Masoumi, Farshad H Shirazi, Fatemeh Ghorbani-Bidkorpheh. Nanoparticle organelle targeting kinetics: a discussion on application. Journal of Drug Delivery Science and Technology. Impact Factor: 4.5
- 2025** Niki Pouyanfar, Niloofar Masoumi, Mahnaz Ahmadi, Seyed Mohammad Ayyoubzadeh, Golrokh Farnam, Elham Asadian, Farshid Sefat, Farshad H Shirazi, Fatemeh Ghorbani-Bidkorpheh. Comparison of laboratory-acquired ZIF-8 drug delivery-related parameters with literature-based data via machine learning tools. Materials Today Chemistry. Impact Factor: 6.4
- 2024** Niki Pouyanfar, Golrokh Farnam, Mahnaz Ahmadi, Reyhane Masoudifar, Kamran Banan, Elham Asadian, Soraya Shahhosseini, Mohammad-Ali Shahbazi, Farshad H Shirazi, Fatemeh Ghorbani-Bidkorpheh. Synthesis, modification, characterization, and in vitro evaluation of chitosan-hyaluronic acid coated MIL-100 (Fe) nanoparticles for methotrexate delivery in rheumatoid arthritis. International Journal of Biological Macromolecules. Impact Factor: 7.7
- 2024** Arezou Mahdaveinejad, Shahin Shadnia, Kiana Farhadinejad, Golrokh Farnam, Farshad H. Shirazi. Saliva Lipids May Determine Alprazolam Toxicity: An FTIR Study. IJ Pharmaceutical Research. Impact Factor: 1.8
- 2024** Zahra Peivandi, Farshad H Shirazi, Shahram Teimourian, Golrokh Farnam, Vahid Babaei, Neda Mehrparvar, Nasim Koohsari, Azadeh Ashtarinezhad. Silica nanoparticles-induced cytotoxicity and genotoxicity in A549 cell lines. Scientific Reports. Impact Factor: 3.8
- 2024** Maryam Morakabati, Nooshin Meraji, Farshad Hosseini Shirazi, Golrokh Farnam, Rashid Mahdavi. Effect of Cold Work and Heat Treatment on Mechanical Properties and Biocompatibility of Ti–10Cr Alloy. Transactions of the Indian Institute of Metals. Impact Factor: 1.5
- 2024** Azita Noshirvani Sharifabad, Alireza Khosravi, Farshad H Shirazi, Hanieh Shaki, Golrokh Farnam, Hamid Reza Moghimi, Farzad Kobarfard. Naphthalimides as anti-cancer agents: systematic synthesis and biological activity along with their encapsulated G0. 5 PAMAM dendrimer nanoparticles. New Journal of Chemistry. Impact Factor: 2.7

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-Bidkhorbeh, 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.

- 2025** Azita Noshirvani Sharifabadi, Alireza Khosravi, Farshad H. Shirazi, Hanieh Shaki, Golrokh Farnam, Helma Vakili, HamidReza Moghimi, Farzad Kobarfard. Preparation and Characterization of Dendritic Nanoparticles for Nephthalimide Derivatives Encapsulation in Advanced Coating Applications. The 9th international color and coating congress, Kish, Iran.
- 2025** Niloofar Masoumi, Niki Pouyanfar, Mahnaz Ahmadi, Golrokh Farnam, Fatemeh Ghorbani-Bidkorpeh, Elham Asadian. Synthesis and Characterization of ZIF8@MXene Nanocomposite with Potential Application for Metformin Drug Delivery in Cancer Therapy. 1st SciPharma Congress, Tehran, Iran.
- 2025** Mohammad Mahdi Feizollahi, Sepehr Izadi, Fatemeh Ghorbani-Bidkorpeh, Elham Asadian, Arash Mahboobi, Mohammad Ali Shahbazi, Golrokh Farnam. Quince Seed Mucilage Scaffold Fabrication and Bismuth Nanoparticles in Bone Tissue Engineering. 1st SciPharma Congress, Tehran, Iran.
- 2025** Seyedeh Fargol Afzal, Reyhaneh Varshochian, Arash Mahboubi, Golrokh Farnam, Farshad H. Shirazi. Fabrication of PLGA-coated Gold Nanoparticles Containing Teriflunomide and Evaluation of its Physical Properties and Toxicity on Glioblastoma Cell Line. 1st SciPharma Congress, Tehran, Iran.
- 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. 6rd International Congress on Pharmacy Updates, Tehran, Iran.
- 2023** Mahboube Peyrovan, Golrokh Farnam, Farshad H. Shirazi. A new model for investigating spray inhalation toxicity. 6rd 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. 6rd 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, Mohmadzade 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, Mohmadzade 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.