

Curriculum Vitae



Farnaz khaleseh (Pharm.D, Ph.D. of pharmaceuticals)

Date of Birth: August 28, 1991

E_mail: Farnaz.khaleseh@kums.ac.ir / Farnazkhaleseh91@gmail.com

Linkedin profile: FarnazKhaleseh

➤ **Education:**

- Pharm.D.: school of Pharmacy, Kermanshah University of Medical Sciences, Kermanshah, Iran, 2011-2016.
- Ph.D. in Pharmaceutics: school of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran, 2016-2024.
- Pharm.D. Theses Title: Formulation and cytotoxicity evaluation of mAb coupled Epirubicin loaded nanoliposomes for active targeting drug delivery.
- Ph.D. thesis: preparation, in-vitro and in-vivo characterization of 4 lipid based drug delivery systems.

➤ **Research field and skills:**

- Preparation and characterization of different nano-drug delivery systems
- Preparation of lipid based drug delivery systems containing solid lipid nanoparticles, nano structured lipid carriers, nano-emulsion and liposomes
- Optimization of processes by design of experiment
- Pharmacokinetics study and in-vivo evaluation of nanoparticles
- Formulation and characterization of solid dosage forms

➤ **Teaching Responsibilities:**

- Teaching in “nanoparticles in drug delivery” seminar at Kermanshah university of medical sciences.
- Teaching in classes of “how to read prescription” at elmi karbordi university.
- Teaching a part of biopharmaceutics at school of Pharmacy of Tabriz University of Medical sciences.
- Teaching a part of practical pharmaceutics at school of Pharmacy of Tabriz University of Medical sciences.
- Teaching in “application and preparation of liposomes” in seminar at Kermanshah university of medical sciences.
- Teaching theoretical and practical pharmaceutics at Kermanshah university of medical sciences.
- Teaching chemotherapy for pharmacy students of Tabriz University of Medical sciences.

➤ **International Conference Presentations:**

- Liposomes conjugated monoclonal antibody as a potent carrier for targeting drug delivery, Asian Nano Forum Conference, March 2015, Kish Island, Iran.
- The role of PEG ratio on invitro cytotoxicity and macrophage uptake of PLGA-PEG nanoparticles, 1th Middle East Controlled Release Conference, February 2014, Tehran, Iran.
- Optimization and characterization of Amiodarone loaded solid lipid nanoparticles by Design of experiment, Asian Federation for Medicinal Chemistry (AFMC) 12th International Symposium, September 2019, Istanbul, Turkey.
- Synthesis and characterization of two cationic surfactants used in pharmaceutical applications, Asian Federation for Medicinal Chemistry (AFMC) 12th International Symposium, September 2019, Istanbul, Turkey.
- Confocal Raman Microscopy and Applications in Pharmaceutical Development, 6th international USERN congress, November 2021, Istanbul, Turkey.
- Enhancement of in vitro antitumour activity of epirubicin in HER2+ breast cancer cells using immunoliposome formulation, 5th international congress of pharmacy-updates (as one of the best oral presenters, February 2022, Tehran, Iran.

➤ **National Conference Presentations:**

- Biological Activities of *Phlomis labiosa* Seed, Aerial part, and Rhizome Following Nanoencapsulation, 9th national congress on medicinal plants, June 2022, Tehran, Iran.
- A simple, fast, sensitive and validated method for determination of plasma concentrations of amiodarone for in vivo studies, 23th Iranian Pharmacy Students Seminar, November 2021, Mashhad, Iran.
- Pharmacokinetics variation of liposomes, 4th Ardabil Pharmacy Students Seminar, April 2018, Ardabil, Iran.
- Coaxial Clarithromycin Loaded Nanofibers Containing Pantoprazol Loaded Nanoparticles as Core for *Helicobacter Pylori* Treatment, 2th Iranian Nanomedicine Congress, September 2016, Zanjan, Iran.
- Targeted Liposomes: a potent carrier for targeting Epirubicin to human breast cancer cells, 18th Iranian Pharmacy Students Seminar, October 2014, Tabriz, Iran.
- اپیدمیولوژی ارگانسیم های مولد باکتری می و الگوی مقاومت آنتی بیوتیکی آن ها طی سال های 1374-1386 یک “ مطالعه سیستماتیک ” 4th Annual Research Congress of Medical Sciences Students of Western, March 2013, Kermanshah, Iran.

➤ **Program skills:**

- Microsoft office (word, excel, power point), End Note, Mendeley, DOE by minitab, SPSS (elementary), Camtasia, thermo fisher kinetica.

➤ **Reviewer:**

- Reviewer of 2th annual tabari congress of Iranian students. April 2019, Sari, Iran.
- Reviewer of 16th Iranian pharmaceutical sciences, November 2019, Kermanshah, Iran.
- Reviewer of *Advanced Pharmaceutical Bulletin*, *Pharmaceutical Sciences* and *Journal of Reports in Pharmaceutical Sciences* journals.

➤ **Published articles:**

- Mahmoudzadeh E, Nazemiyeh H, Valizadeh H, Khaleseh F, Mohammadi S, Hamedeyazdan S. Nanoencapsulation of n-butanol extract of *Symphytum kurdicum* and *Symphytum*

asperrimum: Focus on phytochemical analysis, anti-oxidant and antibacterial activity. Iranian Journal of Basic Medical Sciences. 2022;25:364.

- Mohammadi S, Valizadeh H, Khaleseh F, Bastani S, Delazar A, Asgharian P. Biological activities of extract-loaded nanocarriers: A comparison of aerial part, seed, and rhizome of *Phlomis labiosa*. European Journal of Integrative Medicine. 2022;52:102135
- Khaleseh F, Hemmati Azandaryani A, Fathian Kolahkaj F, Khazaei M, Derakhshandeh K. Enhancement of in vitro antitumour activity of epirubicin in HER2+ breast cancer cells using immunoliposome formulation. IET nznobiotechnology. 2021;15:257–26
- Derakhshandeh K, Khaleseh F, Azandaryani AH, Mansouri K, Khazaei M. Active targeting carrier for breast cancer treatment: Monoclonal antibody conjugated epirubicin loaded nanoparticle. Journal of Drug Delivery Science and Technology. 2019;53:101136.
- Kiaie SH, Mojarad-Jabali S, Khaleseh F, Allahyari S, Taheri E, Zakeri-Milani P, Valizadeh H. Axial pharmaceutical properties of liposome in cancer therapy: Recent advances and perspectives. International journal of pharmaceutics. 2020;581:119269.
- کاربردهای میکروسکوپ رaman کنفوکال در داروسازی. فرناز خالصه، فرناز منجم زاده، مجله رازی، شماره 2، اردیبهشت 99.

➤ **Book chapter**

- Tacrine, Khaleseh F, Haghi-Aminjan H, Samadi M, published by Elsevier (2023).
- Selamectin, Khaleseh F, Khaleseh F, Samadi M, published by Elsevier (2023).