

Curriculum Vitae



Personal History:

Family name: Montazeri

First name: Vahideh

Gender: Female

Nationality: Iranian

E-mail: montazeri.v@vums.ac.ir

vmontazeri2012@gmail.com

Office address: Smart University of Medical Sciences, No 4, 1st Alley, Sarafraz St., Shahid Beheshti St., Tehran, Iran.

Phone: +98 21 411344-610

Academic background:

- Fellowship (2021), **E- Learning**, Shiraz University of Medical Sciences [Shiraz, Iran]
- Ph.D. (2013-2019), **Toxicology & Pharmacology**, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Tehran University of Medical Sciences [Tehran, Iran].
- MS. (2008- 2010), **Toxicology**, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Kerman University of Medical Sciences [Kerman, Iran].
- BS. (2005-2007), **Medical Laboratory science**, Department of Medicine, Isfahan University of Medical Sciences [Isfahan, Iran].

Awards:

- Ranked second in national university entrance exam for PhD degree in Toxicology and Pharmacology in year 2013.
- Top Ph.D. student and graduate with a grade point average (GPA) of 18.23
- Member of Exceptional Talent Development Center, Tehran University of Medical Sciences
- Ranked 10th in national university entrance exam for MS. Degree in Toxicology in year 2008.

Language SKILLS

- English: Fluent, TOEFL iBT
- Test Date: January 26, 2022
- Total Score: 91

Teaching Experiences

- Practical Pharmacology to Pharm.D student, Faculty of Pharmacy, Tehran university of medical science, fall 2016- 2022
- Practical Toxicology to Pharm.D student, Faculty of Pharmacy, Tehran university of medical science, spring 2016- 2022
- Cell culture to Pharm.D student, Faculty of Pharmacy, Tehran university of medical science, spring 2017

Professional Membership:

- Dean for University Research Affairs
- Assistant Professor, Smart University of Medical Sciences from 2020 [Tehran, Iran]
- Members of the University Research Ethics Committee, Smart University of Medical Sciences [Tehran, Iran]
- Members of the Educational-Research Council
- Member of Toxicology and Poisoning Association, from 2020 [Tehran, Iran]
- Member of the University Publications Council

- Executive director for virtual summer and pharmacy courses
- Member of Smart Medical Education Research Council, from 2020 [Tehran, Iran]
- Dean of the Virtual Toxicology-Pharmacology Department
- Member of the Scholarship on Teaching and Learning committee
- Researcher in instruction and designer in e-learning, Smart University of Medical Sciences from 2020 [Tehran, Iran]
- Simulation based medical education researcher, Smart University of Medical Sciences from 2020 [Tehran, Iran]
- Director of Research Affairs of the Smart University of Medical Sciences from 2020 [Tehran, Iran]
- Member of **Editorial Board** of Medbiotech Journal
- Researcher. Tehran University of Medical Sciences from 2013 [Tehran, Iran]
- Senior in cell culture laboratory, Faculty of Pharmacy, Tehran university of medical science, September 2014- September 2020
- Referee, 14th Iranian congress of Toxicology, Shiraz, Iran, 2017
- Referee, The National Smart Congress of E-Learning in Millennium Medical Universities, Hormozgan University of Medical Sciences, 2021
- Medical laboratory technologist at Shahid Sadoughi Specialty and Specialty Hospital, Isfahan

Projects & Thesis

1. "Design and Analysis of Key Features Exam for Emergency Medicine Interns Evaluation"
Advisor, MS. SMUMS. In progress
2. Investigation of clinical reasoning skill among medical trainees of different grades in field of "obstetrics and gynecology using script concordance test: a cross sectional study" **Supervisor**, MS. SMUMS. In progress
3. "Implementation and evaluation of short-term course of computational drug design: molecular docking" (**co-investigator**), SMUMS, In progress.

4. "The sensitivity evaluation of the cancer stem cells in patients with bladder transitional cell carcinoma to the Cisplatin", (**co-investigator**), TUMS, Finished.
5. "Evaluation of cytotoxic effect of complex IV on the main population of HT1080 and their cancer stem cells and main population of EJ138", (**Second manager**), TUMS, finished.
6. in project entitled "The evaluation of co- culture of human bladder cancer associated fibroblast and EJ138 to the cisplatin", (**Advisor, PharmD. thesis**), TUMS, finished.
7. Study of cytotoxic effect of simvastatin on the CSC MDA-MB-231 cells in normal and hypoxic condition (**co-investigator**), TUMS, finished.
8. Pre-clinical evaluation of thermotherapy with magnetic nanoparticles and alternating magnetic field (AMF) in suppressing proliferation in breast cancer tumor xenograft model in nude mice (**co-investigator**), TUMS, finished
9. Evaluation of simvastatin on expression of pluripotency transcription factors of breast cancer cells under hypoxia and normoxia (**co-investigator**), TUMS, finished
10. Comparative effects of metastatic and non-metastatic derived bladder cancer associated fibroblasts conditioned medium on invasive properties and expression of epithelial-mesenchymal transition (EMT) markers in EJ-138 bladder cancer cell line. (**Advisor, PharmD. thesis**), IUMS, finished
11. Evaluation of the anti-apoptotic effects of PEG-functionalized graphene oxide loaded with paclitaxel in the invitro & invivo model of breast cancer, (**co-investigator**), TUMS, In progress
12. Evaluation of the effects of hydroalcoholic extract of Salvia aristata Aucher ex Benth, the isolated dominant compound and its derivative on induction of apoptosis and inhibition of STAT3 pathway in MDA MB-231 cells (**co-investigator**), TUMS. In progress
13. "Design and Analysis of Key Features Exam for Emergency Medicine Interns Evaluation" (**Advisor**), SUMS. In progress

14. Design, implementation and evaluation of short-term course of computational drug design: molecular docking (**co-investigator**), TUMS, In progress
15. Study of cytotoxicity mechanisms of withaferin A on MKN-45 gastric cancer cells, (co-investigator), TUMS, In progress
16. "Evaluation of anti-proliferation effect of capatinib and paclitaxel co-treatment via inhibition of eif4e expression in MDA MB-231 breast cancer cells" (**Advisor, PharmD. thesis**), TUMS, In progress
17. "Evaluation the synergic effects of metformin and cisplatin on inhibition of hedgehog pathway and autophagy in cisplatin resistance ovarian cancer cells" (**Advisor Ph.D. thesis**), National Institute for Medical Research Development (NIMAD), In progress
18. " Evaluation of EJ138 cells stemness properties in co-culture with metastatic and non-metastatic derived cancer associated fibroblasts from bladder cancer" (Advisor, **PharmD. thesis**), TUMS, In progress
19. "Co-treatment effect of Paclitaxol & Capmatinib on cytotoxic effect in 4T1 breast tumor in mice" (**co-investigator**), TUMS, In progress

Publications:

- 1- Dual drug delivery system based on layered double hydroxides/carboxymethyl cellulose-poly ethylene oxide bionanocomposite electrospun fibrous mats: fabrication, characterization, in-vitro and in-vivo studies
Sepideh Yoosefi; Amir Rakhshani; **Vahideh Montazeri**; Mohamadreza Tavakoli; Amin Aliabadi; Yousef Fatahi; Helia Behrouzfar; Behzad Darbasizadeh; Hamidreza Motasadizadeh,. International Journal of Biological Macromolecules 2022,13
- 2- Combined regimens of cisplatin and metformin in cancer therapy: A systematic review and meta-analysis. Jafarzadeh E, **Montazeri V**, Aliebrahimi S, Sezavar AH, Ghahremani MH, Ostad SN. Life Sciences. 2022:120680.
- 3- Effect of heat stress on DNA damage: a systematic literature review. Habibi P, Ostad SN, Heydari A, Aliebrahimi S, **Montazeri V**, Foroushani AR, et al. International Journal of Biometeorology. 2022:1-12.

- 4- Thermal stress and TiO₂ nanoparticle–induced oxidative DNA damage and apoptosis in mouse hippocampus. Habibi P, Ostad SN, Monazzam MR, Foroushani AR, Ghazi-Khansari M, Aliebrahimi S, **Montazeri V**. et.al. *Environmental Science and Pollution Research*. 2022;1-12.
- 5- Anticancer properties of a new platinum (IV) agent on HT1080 cancer stem-like cells: an in vitro study
Sajjadi Mohri SM, **Montazeri V**, Aliebrahimi SH, Abedi A, Zare Dehnavi M, Jamshidzade A, Ostad SN (Accepted, 2022)
- 6- Review on Approved and Inprogress COVID-19 Vaccines.
Farnudian-Habibi A, Mirjani M, **Montazeri V**, Aliebrahimi S, Katouzian I, Abdolhosseini S, et al. *Iranian Journal of Pharmaceutical Research*. 2022;21(1).
- 7- Association between NAT2 polymorphisms and prostate cancer
Hasanzad M, Ziaei SAM, **Montazeri V**, Afshari M, Jamaldini SH, Imani M, et al. *Iranian Journal of Cancer Prevention*. 2017;10(2).
- 8- Evaluation of Genistein Effect on Invasion of Breast Cancer Stem Cell-Like Cells.
Malekmarzban F, **Montazeri V**, Majdzadeh M, Ostad SN. *Acta Medica Iranica*. 2018;360-5.
- 9- Combination effect of doxorubicin and HIF inhibitor on MCF-7 CD44+/CD24-subpopulation cells in hypoxic condition. Rasouli A, Aliebrahimi S, **Montazeri V**, Ghahremani MH, Ostad SN. *Brazilian Journal of Pharmaceutical Sciences*. 2022;58.
- 10- A Preliminary Study of NER and MMR Pathways Involved in Chemotherapy Response in Bladder Transitional Cell Carcinoma: Impact on Progression-free Survival.
Montazeri V, Ghahremani MH, Montazeri H, Hasanzad M, Safavi M, Ayati M, et al. *Iranian Journal of Pharmaceutical Research*. 2020.
- 11- Genetic Polymorphism of Mismatch Repair Genes and Susceptibility to Prostate Cancer.
Khooshemehri P, Jamaldini SH, Ziaee SAM, Afshari M, Sattari M, Narouie B, Sotoudeh M, **Montazeri V**, Sarhangi N, Hasanzad M. *Urology journal*. 2020;17(3):271-5.7-
- 12- The Inhibitory Effect of Curcumin on Hypoxia Inducer Factors (Hifs) as a Regulatory Factor in the Growth of Tumor Cells in Breast Cancer Stem-Like Cells.
Sarighieh MA, **Montazeri V**, Shadboorestan A, Ghahremani MH, Ostad SN. *Drug Research*. 2020;70(11):512-
- 13- Hepatoprotective effect of silymarin in individuals chronically exposed to hydrogen sulfide; modulating influence of TNF- α cytokine genetic polymorphism.
Mandegary A, Saeedi A, Eftekhari A, **Montazeri V**, Sharif E. *DARU Journal of Pharmaceutical Sciences*. 2013;21(1):28
- 14- Chitosan-coated Fe₃O₄ nanoparticles for delivery of opioids against breast cancer cells

Shima Aliebrahimi; Fatemeh Heidari; Amir Amani; **Vahideh Montazeri**; Amir Farnudiyan-Habibi; Shiva Sabz Andam; Reza Saber; Ali Mohammad Alizadeh (submitted, 2022)

Books:

- Recent Advances in Drug Delivery (Australia, Rose Publication)
- New Aspects on Nanomedicines (Australia, Rose Publication)
- Fundamentals of Cell Culture (Australia, Rose Publication)
- Laboratory Skills in Biology (Australia, Rose Publication)

Congress:

- Cytotoxic evaluation of chitosan-coated Fe₃O₄ nanocarriers in conjugation with opium alkaloids, 17th National Congress of Biochemistry and 8th International Congress of Biochemistry and Molecular Biology, Tehran University of Medical Sciences, 2022
- An evaluation of the effectiveness of combined regimens of cisplatin and metformin in the treatment of cancer: a systematic review and meta-analysis. 17th National Congress of Biochemistry and 8th International Congress of Biochemistry and Molecular Biology, Tehran University of Medical Sciences, 2022
- Preparation and characterization of noscapine loaded superparamagnetic iron oxide nanoparticles for drug delivery in breast cancer cells, 4th International Congress on BioMedicine (ICB2020), Hold on 9th – 16th November 2020.
- Cancer-associated fibroblasts (CAFs) in chemotherapy resistance: Cellular & Molecular assays in bladder tumors, 15th Iranian congress of Toxicology, Tehran, Iran, 2020.
- Evaluation of papaverine-iron oxide nanoparticles for anticancer drug delivery, 16th National Congress of Biochemistry & 7th International Congress of Biochemistry & Molecular Biology.2020
- The sensitivity evaluation of transitional cell carcinoma to the cisplatin, 14th Iranian congress of Toxicology, Shiraz, Iran, 2017

- Cancer stem cells & drug resistance. 2th National Festival & International Congress on Stem Cell & Regenerative Medicine, Tehran, Iran, 2017.
- Microsomal Epoxide Hydrolase-1 exon 4 polymorphism and H₂S-exposure interaction on Liver function tests and Hematological parameters; Interaction of gene-environment, 12th Iranian congress of Toxicology, Sari, Iran, 2013
- Respiratory health of workers in sweet- and sour-gas refineries: The role of Epoxide Hydrolase-4 gene polymorphism, 11th Iranian congress of Toxicology, Mashhad, Iran, 2011

Workshop:

- Ethical and legal requirements of using artificial intelligence in the health care system workshop, 2022
- Scholarship on Teaching and Learning workshop, Smart University of Medical Sciences. 2022
- Research in Education workshop, Smart University of Medical Sciences. 2022
- Application of bioinformatics in Covid-19 research workshop, Kharazmi University, 2021
- The basic principal of flow cytometry (theory-practice) workshop, Tehran, Iran, 2019
- ENDNOTE workshop, Tehran University of Medical Sciences, 2017
- Advanced search training for systematic review studies workshop, Tehran University of Medical Sciences, 2017
- Principles of working with Molecular Machines & Industries (MMI) workshop, Institute of Biochemistry and Biophysics (IBB), 2016
- How to review the article workshop, 2016
- How to write a proposal workshop, Tehran University of Medical Sciences, 2016
- Specialized training of electronic resources of Elsevier publisher including Scopus, Science Direct, Mendeley workshop, Tehran University of Medical Sciences, 2015

RESEARCH INTERESTS

Cellular and Molecular Toxicology and Pharmacology

Drug repositioning

Systems biology

E- learning in medical sciences

Cell signaling pathway

Immunology & immunotherapy

Stem cells

Cellular Microenvironment

Drug delivery

Nanomedicine

Microfluidic

Cancer therapy

Gene Delivery

Computer Skills

Familiar with: Prism software, sigmaplot software, flowjo software, Compusyn software, End note, Microsoft office

Extracurricular interests

- Nature walking
- Travel
- Photography
- Movie
- Roller Skating
- Reading (member of a book club as an avid reader)