



## CURRICULUM VITAE

2020-01-09

### ❖ Personal Background:

*Name:* Razieh Dalirfardouei

*Nationality:* Iran

*Sex:* Female

*Address:* School of Medicine, Hamadan University of Medical Sciences,  
Fahmideh Bulv, Hamadan, Iran

*Tel:*

*Fax:*

*E-mail:* [dalir\\_r@yahoo.com](mailto:dalir_r@yahoo.com), [r.dalir@umsha.ac.ir](mailto:r.dalir@umsha.ac.ir)

### ❖ Current Position:

- Researcher at molecular medicine and medical biotechnology
- Assistant professor in medical biotechnology

### ❖ Education:

- 2013–2019, Ph.D. in Medical Biotechnology, Mashhad University of Medical Sciences
- 2009–2012, Master of Science in Microbial biotechnology, Alzahra University
- 2004–2008, Bachelor of Science in Cellular and Molecular Biology-Biotechnology, Alzahra University

### ❖ Thesis:

- Ph.D. Dissertation title: The paracrine effects of menstrual blood derived mesenchymal stem cells (MSCs) on diabetic wound repair in mouse diabetic model
- M.Sc. Dissertation title: The study of antimicrobial effects of cyclotides of Iranian Viola Odorata and identification of cyclotides genes and amino acid sequences

### ❖ Activity & Teaching:

1. Teaching Cellular & Molecular Biology for parasitology, radiology, and Medical laboratory sciences students
2. Teaching Pathobiology for medical biotechnology students
3. Teaching Bioinformatics workshop held at Alzahra University

### ❖ Publication:

#### A. Peer-Reviewed, ISI Journal Papers

- Zarrabi M., Dalirfardouei R., Sepehrizade Z. and Kermanshahi R.K. 2013. **Comparison of the antimicrobial effects of semipurified cyclotides from Iranian Viola odorata against some of plant and human pathogenic bacteria.** JAM, 115(2):367-75.
- Dalirfardouei R., Karimi Gh., Jamialahmadi Kh.2016. **Molecular mechanisms and biomedical applications of glucosamine as a potential multifunctional therapeutic agent.** Life Sci., 152: 21-29.
- Zahedipour F., Dalirfardouei R.\*, Karimi Gh., Jamialahmadi Kh.2017. **Molecular mechanisms of anticancer effects of Glucosamine.** Biomed Pharmacother, 95:1051-1058.\* Co-first author.
- Dalirfardouei R., Jamialahmadi Kh., Mahdipour E.2018. **A feasible method for the isolation of mesenchymal stem cells from menstrual blood and their exosomes.** Tissue and cells, 55:53-62. DOI: 10.1016/j.tice.2018.09.010.

- Dalirfardouei R., Jamialahmadi Kh., Jafarian A.H., Mahdipour E. 2019. **Promising effects of exosomes isolated from menstrual blood-derived mesenchymal stem cell on wound healing process in diabetic mouse model.** J Tissue Eng Regen Med. 13(4):555-568. DOI: 10.1002/term.2799.
- Sara Samadi, Samaneh Abolbashari, Zahra Meshkat, Amir Hooshang Mohammadpour, Theodoros Kelesidis, Aida Gholoobi, Mehrane Mehrimiz, Mahla Tabadkani, Fatemeh Sadabadi, **Razieh Dalirfardouei**, Gordon A Ferns, Majid Ghayour-Mobarhan, Amir Avan, 2019. **Human T lymphotropic type 1 and risk of cardiovascular disease: High-density lipoprotein dysfunction versus serum HDL-C concentrations.** Biofactors. 45(3): 374–380.
- Dehghani S., Dalirfardouei R.\*, Jafari Najaf Abadi M.H, Ebrahimi Nik M., Jaafar M.R, Mahdipour E. 2019. **Topical application of curcumin regulates the angiogenesis in diabetic impaired cutaneous wound.** Cell Biochem Fun. DOI: 10.1002/cbf.3500. \*Co-first author. Accepted.

#### ***B. Peer-Reviewed Non-ISI Papers***

- Dalirfardouei R., Zarrabi M, Sepehrizade Z and Kermanshahi R.K. 2012. **Extraction and semipurification of cyclotides from Iranian Viola odorata and its effects on *S.aureus* PTCC 1431.** Applied biology. *In Persian.*

#### ***C. Selected Conference Presentation***

- **Identification of antimicrobial cyclic peptides genes and their expressions in Iranian *Viola odorata*.** The 7<sup>th</sup> national conference on biotechnology, September 12-14, 2011. Tehran, Iran. **Oral presentation.**
- **Homology modeling of functional domain of pyocinS2 from the crystal structure of colicinE7 and studying of pyocinS2-Immunity protein interactions.** The 3<sup>rd</sup> Iranian conference on bioinformatics, January 5-6, 2010. Tehran, Iran.
- **The comparative study on antimicrobial effects of semi purified cyclotides from Iranian *Viola odorata* with commercial antibiotics against of *E.coli* ATCC25922.** The 13<sup>th</sup> Iranian and the 2<sup>nd</sup> International congress of microbiology, July 14-16, 2012. Ardabil, Iran.
- **Isolation and characterization of mesenchymal stem cell from menstrual blood as a non-invasive easily accessible source.** The international congress on stem cells and regenerative medicine. May 20-22, 2015.Mashhad, Iran.
- **Encapsulation of DNA vaccine against *Mycobacterium tuberculosis* in PLGA nano-particles using modified double emulsion technique.** 2<sup>nd</sup> middle east/7<sup>th</sup> Iranian Controlled release conference, February 21-23 2017, Kerman, Iran. **Oral presentation.**
- **A Comparative Study of Two Methods for MSCs Isolation from Menstrual Fluid as a Non-Invasive Source.** The 2<sup>nd</sup> international congress on stem cells and regenerative medicine. April 19-21, 2017.Mashhad, Iran.
- **Promising effects of menstrual blood mesenchymal stromal cell exosomes on inflammation in wound healing process of diabetic mice.** ISEV2017 Annual Conference, May 18-21, 2017. Toronto, Ontario, Canada.
- **Promising role of *Ferula szowitsiana* on osteogenic differentiation potential of mesenchymal stem cells.** 1<sup>st</sup> international joint conference on new trends in Biotechnology, April 18-19, 2017. Zahedan, Iran.

- **Serum vs. plasma: a comparative study in EV composition.** ISEV2019 Annual Conference, Journal of Extracellular Vesicles, 8:sup1, 1593587, DOI: 10.1080/20013078.2019.1593587. **Oral presentation.**

***D. Book***

- Zarrabi, M., Dalirfardouei, R., Maleki tabrizi, N. (2012). **Introduction to bioinformatics.** Ayiizh publisher, Iran. In Persian.