

Curriculum Vitae



(2024)

Personal information:

Name: Leila Abkhooie

Date of Birth: May. 5. 1984

Address: Lorestan, Khorramabad, Iran

Email: lilaabkhooie@email.com

Academic Background:

Ph. D. (Molecular Medicine): Tabriz University of Medical Sciences, Faculty of Advanced Medical Sciences; 2015-2020.

Supervisor: Dr. M. S. Hejazi, Dr. M. Moradi Sarabi

M. Sc (microbiology): Shahid Beheshti University, Dept. of Sciences (Biology); 2003-2007.

Supervisor: Dr. F. Eftekhari, Dr. D. Minai Tehrani

B. Sc. (Biology): Shahid Chamran University of Ahvaz

Ph.D. Thesis: *Investigation of methylation profile of cardiac specific genes and MicroRNAs promoters and also DNA methyltransferase enzymes expression level during cardiac differentiation of mouse C2C12 (mouse embryonic stem cells).* Supervisor: Dr. M. S. Hejazi, Dr. M. Moradi Sarabi.

M.Sc. Thesis: Purification and determination of kinetics parameters of asparaginase from *Serratia marcescens* Supervisor: Dr. F. Eftekhari, Dr. D. Minai Tehrani

Publications:

1. L. Abkhooie, D. Minai Tehrani*, F. Eftekhari, et al. “*Purification and determination of kinetics parameters of asparaginase from Serratia marcescens*”. (2015), Biological Science Promotion. 28 (2); 145-153.
2. Leila Abkhooie, Vahideh Tarhriz*, Mostafa Moradi Sarabi, Mohammad Saeid Hejazi, et al. “*Potential roles of MyomiRs in Cardiac Development and Related Diseases*”. (2020), Current Cardiology Reviews.
3. Leila Abkhooie, Mohammad Saeid Hejazi, Mostafa Moradi Sarabi*. “*Cyclin-dependent Kinase 9 Induces Regional and Global genomic DNA Methylation by Influencing DNMTs Gene Expression in Mouse Myoblast C2C12 Cells during Differentiation*”. (2021), Crescent Journal of Medical and Biological Sciences.
4. Shirin Saberianpour, Leila Abkhooie, Azita Dilmaghani*. “*Screening and Optimization of Protease Enzyme Produced by Strains of Alkalihalobacillus Sp. and Bacillus Sp.*” (2021), Current Biotechnology.
5. Saiedeh Razi Soofiyani, Kamram Hosseini, Alireza Soleimani, Leila Abkhooie, et al. “*An Overview on the Role of miR-451 in Lung Cancer: Diagnosis, Therapy, and Prognosis*”. (2021), Microna.
6. Shirin Saberianpour, Leila Abkhooie*. “*MiR-1307: A comprehensive review of its role in various cancer*”. (2021), Gene Reports.
7. L. Abkhooie, S Saberianpour. “*CRISPR/Cas9 Tool for MicroRNAs Editing in Cardiac Development, Function, and Disease*”. (2023), MicroRNA.
8. MK Shahmoradi, M Moloody Tapeh, L. Abkhooie*, M Jalalvand. “*Blood-based DNA methylation signatures in the detection of breast cancer*”. (2024), Yafteh.
9. V Tarhriz, L. Abkhooie, MM Sarabi. “*Regulation of HIF-1 by MicroRNAs in Various Cardiovascular Diseases*”. (2023), Current Cardiology Reviews.
10. M Nabi-Afjadi, S Ostadhadi, M Liaghat, AP Pasupulla, Hamidreza Zalpoor, Leila Abkhooie, Vahideh Tarhriz. “*Revolutionizing type 1 diabetes management: Exploring oral insulin and adjunctive treatments*”. (2024), Biomedicine & Pharmacotherapy.

Book Publications:

Dr. Rafiee, MD, PhD; Leila Abkhooie, et al. *Practical Diagnostic Basic Pathology* (2005) Hadaf Publications.

Lectures and posters presented in international and national congress:

- 1- L. Abkhooie, D. Minai Tehrani, F. Eftekhari, et al. *Purification and determination of kinetics parameters of asparaginase from Serratia marcescens*. The 16th national and 4th International Conference of Biology. Ferdowsi University of Mashhad (FUM), Iran. 14-16 Sep 2010.
- 2- L. Abkhooie, Vahideh Tarhriz, Mohammad Saeid Hejazi, Mostafa Moradi Sarabi, and Hossein Ghanbarian. *CDK9 has a crucial role in cardiac differentiation by modulating of DNA methylation profile in myomiRs promoter*. The 24th Iranian & 3rd International Congress of Physiology & Pharmacology. Shahed University, Tehran, Iran. 30 Oct- 01 Nov 2019.
- 3- L. Abkhooie, Vahideh Tarhriz, Mohammad Saeid Hejazi, Mostafa Moradi Sarabi, et al. *Overexpression of Cdk9 regulates two key myogenesis factors (MyoD and Myogenin) by hypomethylation of their promoters during cardiac differentiation*. The 3rd International Congress on Biomedicine. Tehran, Iran. 10-18 Nov 2019.
- 4- Vahideh Tarhriz, L. Abkhooie, Mohammad Saeid Hejazi, Elham Mansouri, et al. *Overexpression of Cdk9 by nanoparticle delivery system in C2C12 myoblast cells*. The 3rd International Congress on Biomedicine. Tehran, Iran. 10-18 Nov 2019.
- 5- Vahideh Tarhriz, L. Abkhooie, Soheila Montazersaheb, Hossein Ghanbarian. *Cdk9 Regulates cell growth, differentiation, and apoptosis of Myoblast Cells by Modulation of myomiRs Expression*. The 3rd International Congress on Biomedicine. Tehran, Iran. 10-18 Nov 2019.
- 6- L. Abkhooie, Mostafa Moradi Sarabi, Mohammad Saeid Hejazi. *Association between overexpression of CDK9 and the expression of DNMTs gene in mouse myoblast C2C12 cells during differentiation*. The 4rd International Congress on Biomedicine. Tehran, Iran. 10-18 Nov 2020.
- 7- L. Abkhooie, Shiva Mohammadi, Mahdi Brazesh. *An overview of the impact of blood-based DNA methylation signatures in breast cancer diagnosis*. The 7rd International Congress on Biomedicine. Tehran, Iran. 19-22 Nov 2023.
- 8- L. Abkhooie. *“The effect of microRNAs on the regulation of HIF-1 in various cardiovascular disease”*. The 2th international Congress of biology and laboratory sciences. Jan 2023.
- 9- L. Abkhooie. *“A review on the role of miR-1307 in various types of cancer”*. The 2th international Congress of biology and laboratory sciences. Jan 2023.
- 10- Shiva Mohammadi, L. Abkhooie, Mahdi Brazesh. *CRISPR-Cas9 Technology: A Promising Tool for Anti-Cancer Therapy*. The 7rd International Congress on Biomedicine. Tehran, Iran. 19-22 Nov 2023.
- 11- L. Abkhooie. *“DNA methylation as a biomarker for the identification of liver cancer”*. Tehran, Iran. 19-22 Nov 2023.

- 12- L. Abkhooie, H. E. Lashgarian, H. Khodadadi, M. Jalalund. “*Failure of new BMP15 gene variants causing early ovarian failure in Lorestan families by whole exome sequencing and in silico analysis*”. The 3rd Science and Technology Development Congress of Biology and Chemistry Students. Tehran, Jan 2024.
- 13- L. Abkhooie, H. E. Lashgarian, H. Khodadadi, M. Jalalund. “*Discovery of a new c.1834dup variant in a boy with muscular dystrophy related to the POMGNT1 gene*”. The 3rd Science and Technology Development Congress of Biology and Chemistry Students. Tehran, Jan 2024.

Workshop:

- 1- **Flow Cytometry.** The 3rd International Congress on Biomedicine. Tehran, Iran. 7 Nov 2019.
- 2- **Cell Therapy.** The 3rd International Congress on Biomedicine. Tehran, Iran. 21 Oct 2019.
- 3- **Generalities of ethics in publishing and research.** The Tabriz University of Medical Sciences. Tabriz, Iran. 21 Nov 2019.
- 4- **Ethics in laboratory studies.** The Tabriz University of Medical Sciences. Tabriz, Iran. 28 Nov 2019.
- 5- **ELISA Workshops.** The Tabriz University of Medical Sciences. Tabriz, Iran. 2019.
- 6- **Skill with drawing graphs and analyzing data from biological research.** The Tabriz University of Medical Sciences. 28 June 2021.
- 7- **Article Writing Workshop.** The Tabriz University of Medical Sciences. 14 August 2021.
- 8- **Design and analysis of RT-PCR results.** The Tabriz University of Medical Sciences. 14 June 2021.
- 9- **Scholarship in education Workshop.** The Lorestan University of Medical Sciences. 2024.
- 10- **Training workshop on duties and responsibilities of team members of scientific publications and active companies.** The Lorestan University of Medical Sciences. 2024.
- 11- **Artificial intelligence and its application in teaching.** The Lorestan University of Medical Sciences. 2024.