



Curriculum Vitae

Name: Leila Abkhooie

Date of Birth: May. 5, 1984

Address: Lorestan, Khorramabad, Iran

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Academic Background:

2015-2020 Tabriz University of Medical Sciences, Faculty of Advanced Medical Sciences; Molecular Medicine.

Ph. D. **Supervisor:** Dr. M. S. Hejazi, Dr. M. Moradi Sarabi

2008-2010 Shahid Beheshti University, Dept. of Sciences (Biology); microbiology

M. Sc. **Supervisor:** Dr. F. Eftekhar, Dr. D. Minai Tehrani

2003-2007 Shahid Chamran University of Ahvaz, Dept. of Sciences (Biology)

B. Sc.

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. Abkhoodi, 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 Abkhoodi, Vahideh Tarhiz***, Mostafa Moradi Sarabi, Mohammad Saeid Hejazi, et al. **Potential roles of MyomiRs in Cardiac Development and Related Diseases.** (2020), *Current Cardiology Reviews*.
3. **Leila Abkhoodi, Mohammad Saeid Hejazi, Mostafa Moradi Sarabi***. **CDK9 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 Abkhoodi, 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 Soleimanian, **Leila Abkhoodi**, et al. **An Overview on the Role of miR-451 in Lung Cancer: Diagnosis, Therapy, and Prognosis.** (2021), *Microna*.

6. Shirin Saberianpour, **Leila Abkhoodi***. **MiR-1307: A comprehensive review of its role in various cancer.** (2021), *Gene Reports*.

Book Publications:

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

Lectures presented in international and national congress:

- 1- **L. Abkhoodi**, 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.

Posters presented in international and national congress:

1. **L. Abkhoodi**, D. Minai Tehrani, F. Eftekhari, et al. **The study of effect of pH and temperature on the activity of asparaginase in *Serratia marcescens*;** The 11th national Congress of Microbiology and 1th International Congress of Microbiology of the Eastern Mediterranean. Gilan University of Medical Sciences, Iran. 10-13 May 2010.
2. **L. Abkhoodi**, 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. Abkhoodie**, Vahideh Tarhriz, Mohammad Saeid Hejazi, Mostafa Moradi Sarabi, et al. **Overexpression of *Cdk9* regulates two key myogenesis factors (*MyoD* and *Myogenin*) by hypo-methylation of their promoters during cardiac differentiation.** The 3rd International Congress on Biomedicine. Tehran, Iran. 10-18 Nov 2019.
 4. Vahideh Tarhriz, **L. Abkhoodie**, 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, **leila Abkhoodie**, 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. Abkhoodie**, 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.

Workshop:

- 1- L. Abkhoodie. **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- **Skill of drawing graphs and analyzing data from biological research.** The Tabriz University of Medical Sciences. 28 June 2021.
- 6- **Article Writing Workshop.** The Tabriz University of Medical Sciences. 14 August 2021.
- 7- **Design and analysis of RT-PCR results.** The Tabriz University of Medical Sciences. 14 June 2021.

Technical Skills:

- 1- **Designing of Primer** for methylation-specific PCR (MSP)
- 2- A varied range of **Microbiology techniques** including:
Microbiological culture, H&E stain, Giemsa stain, papanicolaou test, Ziehl–Neelsen stain, and so on.
- 3- A wide-ranging of **molecular and cell biological techniques** including:
PCR, RT-PCR, Real- Time- PCR, methylation specific PCR (MSP), cell culture, ELISA technique, and so on.
- 4- **Extraction and purification** of RNA, DNA, Protein including Purification by salt precipitation method, Dialysis, ...

5- MTT Assay

6- **SDS PAGE** (sodium dodecyl sulphate-polyacrylamide gel electrophoresis)

7- **Ion exchange chromatography** and so on.

8- **Histological, Cytology and pathology techniques** including:

Tissue preparation technique; Fixation, Embedding, sectioning, Staining, and preparation of tissue slides.