

In the Name of GOD

Curriculum Vitae

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Education:

- High school(In Urmia , Sorushe Farzanegan school 1995- 1998)
- Rank in natural science university entrance exam in 1998 was **349**,
- At Urmia medical University studied medical science (1998- 2005)
- Medical mandatory service has been spent in Blood Transfusion Organization in Urmia (2006-2008)
- Rank in Ph.D. entrance exam of medical basic science in 2011 was **the 5th in Iran**
- The first graduate and first degree from the ***Molecular medicine department*** of advance science School of Tabriz-Iran Medical University in 2016.

1. Optional Personal Information

Marital status: Married

Spouse Name: Mehran Hajilu

Children: 2 boys :(**Older:** 13 years old & **younger:** 6 years old)

2. Employment History

✓ *Work history:*

- Medical doctor in blood transfusion center of West- Azerbaijan for 2 years
- Medical doctor in nursing home of Urmia for 1 year
- Teaching in Urmia university about general hygiene and health care

✓ *Academic Position:*

MD-PhD graduate of Molecular medicine department of advance science School of Tabriz-Iran Medical University

Assistant Professor of Urmia clinical biochemistry department since 2016

3. *Research & Training:*

1. Medical Thesis was about : “frequency of clinical manifestations & para-clinical findings of children with Guillain-Barre Syndrome in pediatric ward of URMIA”
2. Poster presentation at The 1st national Congress of Patient safety in Iran, Urmia (26-28 Oct 2011)
3. Poster presentation at The 9th International Congress on abstraction & Gynecology in Iran, Tehran 8-11 November 2011
4. Editor of medical student journal(that was called Kankash) in Urmia for 2 years
5. Ph.D. Thesis was about : “Isolation and characterization of amniotic fluid stem cells & its antitumor effect application on ovarian cancer cell line”
6. A member of the Office of Gifted and Talented Students (13 February 2014)

4. *Teaching:*

- ✓ Health cares for undergraduate student in Urmia Universities
- ✓ First aid & primary care for undergraduate student at Urmia University
- ✓ Biochemistry for nursing students In the second semester of 1395

- ✓ Practical Biochemistry 2 for medical students In the second semester of 1395 and first second semester of 1396
- ✓ *Cell culture* for *PhD* student of Biochemistry
- ✓ Practical Biochemistry 1 and 2 for medical students In the first second semester of 1396
- ✓ Biochemistry for Midwifery students In the first semester of 1396
- ✓ Biochemistry for nursing students In the first semester of 1396
- ✓ Biochemistry for professional health students In the first semester of 1396
- ✓ *Molecular Biology* for *PhD* student of Biochemistry 1397
- ✓ *Techniques of Molecular Biology* for *PhD* student of Biochemistry 1397
- ✓ *Advanced Biochemistry of tissue* for *MSc* student of Biochemistry 1397
- ✓ *Stem cells and Cell therapies* for talented Students in 1397 &1398

5. Research projects

1- (Evaluation the effect of Amniotic Fluid Stem Cells on Hela cell Line) in Drug Apply center of Tabriz Medical University from summer of 2015

2- (Evaluation of IL-4 and TNF- α gene promoter methylations and gene expression in Behçet's disease) in cellular & Molecular center of Urmia medical University from spring of 2017

3- Evaluation the Alantolactone effects on cancers progression & metastasis & apoptosis signaling pathway in several Thesis & projects since 2016

4- Evolution of Amniotic Fluid Stem Cells therapy on Cancers & Wound healing

6. Certification, Authorization

1. The First national Meeting of patient safety in Urmia, 26-28 Oct 2011
2. The 9th International congress on obstetrics & gynecology, 8-11 Nov 2011
3. The 8th Royan International congress on Stem cell Biology & Technology, 5-7 Sep, 2012(23 hours)

4. The web & data searching workshop in school of advanced medical science of Tabriz University, 19 April 2012
5. Real-time PCR workshop of Tabriz Pharmacy College, 17 May 2012
6. Paper writing workshop of Tabriz medical University, 13 Nov.2012
7. Bioinformatics workshops (2) in school of advanced medical science of Tabriz University, 13 & 14 Feb 2013
8. Bioinformatics workshops (3) in school of advanced medical science of Tabriz University, 21 & 22 Feb 2013
9. Primer Design in Research development & coordination center of Tabriz University of Medical science, 27 Feb 2013

7. Publications:

A) ISI papers:

1. ***"A Mini Overview of Isolation, Characterization, and Application of Amniotic Fluid Stem Cells"*** [Int J Stem Cells](#).
2. ***"Isolation, Characterization, Cryopreservation of Human Amniotic Stem Cells and Differentiation to Osteogenic and Adipogenic Cells"*** ***PLoS One***.
3. ***"The potential of nanofibers in tissue engineering and stem cell therapy"***
Artificial Cells, Nanomedicine, and Biotechnology,
4. ***"Recent prospective of nanofiber scaffolds fabrication approaches for skin regeneration"***
Artificial Cells, Nanomedicine, and Biotechnology
5. ***"Advances in silver nanotechnology: An update on biomedical applications and future perspectives"*** Submitted at ***Drug Research Journal***

7. “An update application of amniotic fluid-derived stem cells (AFSC) in cell therapy and tissue engineering” Submitted at *Artificial Cells, Nanomedicine and Biotechnology Journal*
8. “ Human Amniotic Fluid Stem Cells Expressing P21 and Cyclin D1 Genes Retain Excellent Viability after Freezing and Thawing “ *The Bosnian Journal of Basic Medical*
9. (*Application of sesquiterpene lactone: a new promising way for cancer therapy based on anticancer activity*)- *Biomed Pharmacother.*
10. (*The protective Impact of Betaine on the Tissue Structure and Renal Function in Isoproterenol-Induced Myocardial Infarction in Ra*)- *Molecular Genetics & Genomic Medicine* -
11. “The human amniotic fluid mesenchymal stem cells (hAFMSCs) therapy on, SKOV3, ovarian cancer cell line. *Mol Genet Genomic Med.*
12. Application of nanomaterials in three-dimensional stem cell culture, Accepted in *J Cell Biochem*
13. *The methylation status of TNF- α and SOCS3 promoters and the regulation of these gene expression in patients with Behçet's disease-* *Biomarker*
14. Ameliorative effects of tropisetron on liver injury in streptozotocin-induced diabetic rats
15. Application of nanomaterials in three-dimensional stem cell culture
16. Bidirectional and opposite effects of naïve mesenchymal stem cells on tumor growth and progression

17. The human amniotic fluid mesenchymal stem cells therapy on, SKOV3, ovarian cancer cell line

B) Google scholar & PubMed

1. Comparison of traditional prenatal diagnosis procedures and Cell-Free DNA in maternal plasma as a new molecular approach for prenatal diagnosis. *International Journal of Research in Applied and Basic Medical Sciences* 2018; 4(2): 108-118. Received 30 March 2018; accepted for publication 19 June 2018
2. Tropisetron ameliorates oxidative stress in type-1 diabetic experimental rats. *International Journal of Research in Applied and Basic Medical Sciences* 2018; 4(2): 102-107. Received 10 Mar 2018; accepted for publication 14 May 2018
3. Determination of the relationship between the severity of Behcet's disease and the expression and methylation of IL-10, IL-6 and IL-8 genes. *International Journal of Research in Applied and Basic Medical Sciences* 2018; 4(1): 6-14. Received 11 Feb 2018, accepted for publication 22 Apr 2018

C) ISC paper:

1. ISC paper in Nursing & Midwifery Journal of Tabriz University; Title: "Evaluation of Mothers knowledge of Pediatrics care in early postnatal period" ISSN 1735-7624; vol22; summer 2011.

D) Congress presentations:

1. Oral presentation at the first congress of new technologies of Tehran-Iran; "Application of liposomes in medicine and drug delivery" 4 February 2015

2. Co-author for oral presentation **on** the first congress of new technologies of Tehran-Iran; *“Effect of curcumin on osteocalcin protein expression in osteogenic differentiated mesenchymal stem cells from rat bone marrow”* 4 February 2015

3. Poster presentation **on** The 8th International & 13th National Congress on Quality Improvement in Clinical Laboratories Tehran-Iran; *“Evaluate Proliferation of the Amniotic Fluid-Derived Stem Cells (AFDSCs) in Different Condition at Cell Culture”*; 22 April 2015

4. Poster presentation **on** the first Stem Cells and Regenerative Medicine Congress-2015 in Mashad-Iran; *“Optimize Successful Vitrification of Human Amniotic Fluid- Derived Mesenchymal Stem Cells”*; 20-22 May 2015

5. Two Poster presentations **on** the Fourth National Congress of trace elements in Hamedan-Iran; May 2015

➤ *Investigation Of Zinc Sulphate Effect On Osteoblastic Markers Expression In Rat Adipose-Derived Mesenchymal Stem Cells By Quantitative Real-Time Pcr (Q-Pcr)*

➤ *Zinc Ion Decreased Osteogenic Differentiation Of Rat Adipose-Derived Mesenchymal Stem Cells Under Extremely Low-Frequency Electromagnetic Field (Elf-Emf)*

6. Two Poster presentations **on** the First International and 9th National Biotechnology Congress in Tehran-Iran; 24 – 26 May 2015

➤ *Comparison of proliferation of amniotic fluid stem cells was isolated from two different sources*

➤ *Gold nanoparticle-oligonucleotide for detection of sequence of lung cancer biomarker*

7. Poster presentations **on** the Royan International Twin Congress on Reproductive Biomedicine and 11th Stem Cells Biology & Technology , Sep 2 – 4, 2015 in Tehran; *“Efficient Isolation And Establishment Of Amniotic Fluid-Derived Stem Cell Lines”*

8. Oral presentation on The 8th APOCP Regional Conference Nov. 1-3, 2015, Tehran 1. R. of Iran; “*Evaluating the Best Condition Of The Antitumor Therapeutic Effect Of Human Amniotic Fluid-Derived Mesenchymal Stem Cells On Human Ovarian Cancer In Vitro Experiment*”

9. Poster presentation at the 2nd national conference on molecular medicine in diagnosis and treatment of diseases. Tehran-Iran; “*Assessment potency and mesenchymal stem cell properties of amniotic fluid stem cells in various passages by real-time PCR*”; 18 February 2016

10. E-poster presentation at the 6th world congress of Cell & Stem Cell Research ; February 29-March 02, 2016 Philadelphia, USA; “*Evaluation the potential anticancer effects of human amniotic fluid-derived stem cells (hAFDSCs) on ovarian cancer cells in vitro*”
<http://dx.doi.org/10.4172/2157-7013.C1.036>

11. Poster presentation on The 9th International & 14th National Congress on Quality Improvement in Clinical Laboratories Tehran-Iran; “**Self-Renewal and Proliferation Potential of Human Amniotic Fluid Stem Cells**” 19 -22 April - 2016

12. Poster presentation on the Second International & Fourteenth Iranian Genetics Congress Tehran-Iran; “**Evaluate expression of Oct4 & NANOG genes in human fibroblast cells**”

13. Poster presentation in the 18th international Iranian congress of microbiology 29-31 Aug 2017; Tehran University of Medical Sciences. Iran, (**Recent Prospective Of Sesquiterpene Lactones’s Antimicrobial Activities**)

14. Poster presentation in the **18th international & Iranian Congress of Microbiology, Aug 2017 29-31 Tehran. Recent Prospective Of Sesquiterpene Lactones’s Antimicrobial Activities**

15. Poster presentation in the *10th International Congress of Laboratory and Clinic 2018/01/31 -Iran Tehran* (**Programmed death-ligand 1 as a novel marker for early diagnosis of Multiple myeloma**)

16. Poster presentation in the *10th International Congress of Laboratory and Clinic 2019*

- *Programmed death-ligand 1 as a novel marker for early diagnosis of Multiple myeloma*

- *Hsp90-β as a novel marker for diagnosis of lung cancer*

8. Books

- 1- *Principle of Somatic and Stem cells culture and techniques*
- 2- *Pathology in Medical Genetics (9 – 14)*