

**In The Name of GOD**

**"Curriculum Vitae"**



**Personal details:**

First Name: **Aliakbar**

Last Name: **Yousefi-Ahmadipour**

Nationality: **Iranian**

Date of birth: **11 January 1990**

City of birth: **Rafsanjan**

Address: **Dep. of Laboratories Sciences, Faculty of Paramedicine Sciences, Rafsanjan University of Medical Sciences, Rafsanjan, Iran**

Email: [A.yousefi@rums.ac.ir](mailto:A.yousefi@rums.ac.ir)

**Education:**

2016-2018(Tehran University of Medical Sciences, Tehran, Iran)

2012-2016 (Tehran University of Medical Sciences, Tehran, Iran).

2008-2012 (Rafsanjan University of Medical Sciences, Rafsanjan, Iran).

**Qualifications:**

2018: Ph.D. Cell Therapy. (Tehran University of Medical Sciences, Tehran, Iran).

2016: MSc. Medical Toxicology. (Tehran University of Medical Sciences, Tehran, Iran).

2012: BSc. Laboratories Sciences. (Rafsanjan University of Medical Sciences, Rafsanjan, Iran).

**Award and prizes:**

Member of National Elites Foundation

1<sup>st</sup> Rank, Nationwide PhD entrance exam in Applied Cell Sciences

1<sup>st</sup> Rank, Nationwide MSc entrance exam in Medical Toxicology

1<sup>st</sup> Rank, Achieving the highest GPA among all PhD classmates.

1<sup>st</sup> Rank, Achieving the highest GPA among all MSc classmates.

Three Awards for scientific contest (Tehran University of Medical Sciences, Tehran, Iran).

**Technical skills/experience:**

- 1- Expert in Stem Cell Isolation from Prenatal (Umbilical Cord, Placenta, Amniotic Fluid) and Adult Tissue Sources (Bone Marrow, Adipose Tissue, Dental Pulp, Gingiva).
- 2- Expert in 2D and 3D Cell Culture, Western Blotting and Flow Cytometry.
- 3- Expert in Animal Models Induction (Carcinoma, IBD, Cirrhosis)
- 4- Experience in Scaffold (Acellular) and Tissue Engineering (Electrospin).
- 5- Experience in Immunocytochemistry and Immunohistochemistry.
- 6- Experience in Nanometals Research (Nanosilver, Nanogold).
- 7- Experience in Extraction and Assessment of Enzymes (Bacteria, Fungi).
- 8- Experience in Chromatography (TLC, HPLC, LC-mass, GC-mass) and IR.
- 9- Knowledge of Cell Therapy.
- 10- Knowledge of Toxidrome and Poisoning Diagnosis.

**Teaching experience:**

Toxicology (practical and theoretical) for Lab. Sci. students, every odd semester, since 2018

Medical Terminology and Medical texts for Lab. Sci. students, every odd semester, since 2018

Medical Terminology for Operating Room students, every odd semester, since 2020

Medical texts for Operating Room students, every even semester, since 2019

Principles of Laboratory Safety for Lab. Sci. students, every even semester, since 2018

Principles of Technical and Maintenance of Laboratory Equipment for Lab. Sci. students, every even semester, since 2018

Medical Genetics for Lab. Sci. students, since 2020

**Research experience:**

Researcher of Molecular Medicine Research Center

Researcher of Immunology of Infectious Disease Research Center

Member of the Research Council

**Executive experience:**

Setting up a stem cell-cancer laboratory in Faculty of Paramedical Sciences.

Head of Student Research Committee in Faculty of Paramedical Sciences.

Advisor for Lab. Sci. students, since 2019

Representative of the University Welfare Committee.

**Publications:**

**Yousefi-Ahmadipour A**, Ebrahimi-Barough S, Niknia S, Allahverdi A, Mirzahosseini-Pourranjbar A, Tashakori M, Ravari SK, Asadi F, Nezhad RH, Lotfibakhshaiesh N, Mirzaei MR. Therapeutic effects of combination of platelet lysate and sulfasalazine administration in TNBS-induced colitis in rat. **Biomedicine & Pharmacotherapy**. 2020 May 1;125:109949.

Allahverdi A, Arefian E, Soleimani M, Ai J, Nahanmoghaddam N, **Yousefi-Ahmadipour A**, Ebrahimi-Barough S. MicroRNA-4731-5p delivered by AD-mesenchymal stem cells induces cell cycle arrest and apoptosis in glioblastoma. **Journal of Cellular Physiology**. 2020 Jan 19.

Manjili FA, **Yousefi-Ahmadipour A**, Arababadi MK. The roles played by TLR4 in the pathogenesis of multiple sclerosis; A systematic review article. **Immunology Letters**. 2020 Apr 1;220:63-70.

Hosseini-Chegeni A, Jazaeri F, **Yousefi-Ahmadipour A**, Heidari M, Abdollahie A, Dehpour AR. Thalidomide attenuates the hyporesponsiveness of isolated atria to chronotropic stimulation in BDL rats: The involvement of TNF- $\alpha$ , IL-6 inhibition, and SOCS1 activation. **Iranian Journal of Basic Medical Sciences**. 2019 Nov;22(11):1259.

**Yousefi-Ahmadipour A**, Rashidian A, Mirzaei MR, Farsinejad A, PourMohammadi-Nejad F, Ghazi-Khansari M, Ai J, Shirian S, Allahverdi A, Saremi J, Ebrahimi-Barough S. Combination therapy of mesenchymal stromal cells and sulfasalazine attenuates trinitrobenzene sulfonic acid induced colitis in the rat: the S1P pathway. **Journal of Cellular Physiology**. 2019 Jul;234(7):11078-91.

Nooshabadi VT, Mardpour S, **Yousefi-Ahmadipour A**, Allahverdi A, Izadpanah M, Daneshimehr F, Ai J, Banafshe HR, Ebrahimi-Barough S. The extracellular vesicles-derived from mesenchymal stromal cells: A new therapeutic option in regenerative medicine. **Journal of cellular biochemistry**. 2018 Oct;119(10):8048-73.

Tarasi R, Alipour M, Gorgannezhad L, Imanparast S, **Yousefi-Ahmadipour A**, Ramezani A, Ganjali MR, Shafiee A, Faramarzi MA, Khoobi M. Laccase immobilization onto magnetic  $\beta$ -cyclodextrin-modified chitosan: improved enzyme stability and efficient performance for phenolic compounds elimination. **Macromolecular Research**. 2018 Aug 1;26(8):755-62.

Amiri S, **Yousefi-Ahmadipour A**, Hosseini MJ, Haj-Mirzaian A, Momeny M, Hosseini-Chegeni H, Mokhtari T, Kharrazi S, Hassanzadeh G, Amini SM, Jafarinejad S. Maternal exposure to silver nanoparticles are associated with behavioral abnormalities in adulthood: Role of mitochondria and innate immunity in developmental toxicity. **Neurotoxicology**. 2018 May 1;66:66-77.

Amiri S, **Yousefi-Ahmadipour A**, Hosseini MJ, Haj-Mirzaian A, Momeny M, Hosseini-Chegeni H, Mokhtari T, Kharrazi S, Hassanzadeh G, Amini SM, Jafarinejad S. Maternal exposure to silver nanoparticles are associated with behavioral abnormalities in adulthood: Role of mitochondria and innate immunity in developmental toxicity. **Neurotoxicology**. 2018 May 1;66:66-77.

**Yousefi-Ahmadipour A**, Bozorgi-Koshalshahi M, Mogharabi M, Amini M, Ghazi-Khansari M, Faramarzi MA. Laccase-catalyzed treatment of ketoconazole, identification of biotransformed metabolites, determination of kinetic parameters, and evaluation of micro-toxicity. **Journal of Molecular Catalysis B: Enzymatic**. 2016 Nov 1;133:77-84.

Rahmani R, Mahmoodi M, Karimi M, Hoseini F, Heydari R, Salehi M, **Yousefi A**. Effect of hydroalcoholic extract of Capparis spinosa fruit on blood sugar and lipid profile of diabetic and normal rats. **Zahedan J Res Med Sci**. 2013 Jan 1;15(11):34-8.

### **Research Projects:**

Study of the effects of conditioned medium (CM) and extracts of adipose-derived mesenchymal stem cell on proliferation, development and the expression of cancer-related genes in glioblastoma multiforme cell lines, U251 and U87.

Effects of conditioned medium (CM) and extracts of breast cancer cells lines MCF-7 and MDA-MB-231 on adipose-derived mesenchymal stem cell.

Study of therapeutic and protective effects of combination of mesenchymal stem cell and nabilone on animal model of inflammatory bowel disease (IBD).

Study of MRI effects on Oct-4, Sox-2 and Nanog genes expression in mesenchymal stem cells derived from amniotic fluid and umbilical cord.

The effect of cell therapy using Mesenchymal Stem Cells (MSCs) and Royal Jelly on sensory-motor deficits and expression levels of various T lymphocyte clone transcription factors in mouse model of stroke.

Evaluation of the effects of aqueous extract of *Achillea millefolium* on the differentiation of mesenchymal stem cells into osteoblast cells.

Study of skin wound healing of camel small intestinal sub-mucosal layer and platelet lysate in animal wound model.

Study of the effects of conditioned medium (CM) and extracts of adipose-derived mesenchymal stem cell on proliferation, development and the expression of cancer-related genes in breast cancer cell lines, MDA-MB-231 and MCF-7.

Comparison of expression of some genes and its relationship with fertilization outcomes between embryos resulting from normal pregnancy and in vitro fertilization in mice.

Comparison of some genes expression between fresh and frozen–thawed embryo following natural conception- and in vitro fertilization (IVF) in mice.

Evaluation of the effects of royal jelly and cell therapy with mesenchymal stem cells on the level of brain and serum levels of inflammatory and anti-inflammatory cytokines in the permanent closure of the cerebral artery of the mice.

Evaluation of the immunomodulatory effects of mesenchymal stem cell therapy and royal jelly in the model of middle cerebral artery occlusion in mice.

Skin tissue engineering of camel small intestinal layer and rat mesenchymal stem cell to investigate animal skin wound healing model.

The effects of alcohol extract of *Capparis spinosa* fruit on histological changes in normal and type 1 diabetic male rats.