

Curriculum Vitae



First Name: Mehri

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Date of birth: 23/01/1983

Department of Anatomical Sciences, School of Medicine,

Place of Birth: Mashhad, Iran

Birjand University of Medical Sciences, Ghafari Street,

Nationality: Iranian

Birjand, South Khorasan, Iran.

Educational History:

- ✓ **Ph.D.** Anatomical Sciences (Histology, Anatomy and Embryology), School of Medicine, Shiraz University of Medical Science (2018 –2021)
- ✓ **M.Sc.** Anatomical Sciences (Histology, Anatomy and Embryology), School of Medicine, Birjand University of Medical Science (BUMS). (2013 –2016)
- ✓ **B.Sc.** Nursing, School of Nursing, Mashhad University of Medical Sciences (MUMS). (2004 - 2006)
- ✓ **A.Dc.** Nurse anesthetist, School of Medicine, Birjand University of Medical Science (BUMS) (2002 –2004)

Theses:

- ✓ **Ph.D.** Thesis title: Optimization of The Acellular Meniscus Scaffold by Loading and Mechanical Stimulating of Chondrocyte Cell line (C28/12) by Using At hoc bioreactor
- ✓ **M.Sc.** Thesis title: Effects of Topical Application of Leaf Alcoholic Extract of Plantago Major and Plantago Lanceolata on excisional wound healing in BALB/c mice

Research Interest:

- ✓ Tissue engineering
- ✓ Application of regenerative medicine in tissue engineering
- ✓ Herbal medicine
- ✓ Wound healing

Publications:**A. Article :**

1. Afshar M, Sattari fard H, Shadi M, Ghaderi R. Repairing effects of Iran flora on wound healing. Journal of Birjand University of Medical Sciences. 2015;22(1):1-18.
2. Shadi M, Zardast M, Hassanpour Fard M, Sharifzadeh G, Vafaei-Nezhad S, Vaziri F, et al. Effects of Jujuba essential oil on hair follicle of the skin of Balb/c mice. Journal of Birjand University of Medical Sciences. 2016;23 (3):179-89.
3. Afshar M, Vafaei-Nezhad S, Shadi M, Ghaderi R. The important herbal plants of Iranian flora on burn healing. Journal of Gorgan University of Medical Sciences. 2017;19 (3).
4. Afshar M, Hassanzadeh-Taheri M, Zardast M, Ayati S, Shadi M. Effects of Topical Application of Plantago Major Leaf alcoholic Extract on Excisional Wound healing in BALB/C Mice. 2017;8(6):1-6.
5. 12. Vafaei-Nezhad S, Hami J, Shadi M, S E. The Effects of Neurodegenerative Disease on Synaptic Density and Synaptic Vesicles Protein. Theranostics Brain Disord. 2018;3 (1):1-3.

B. Book Chapter :

1. Vafaei-Nezhad S, Vafaei-Nezhad M, Shadi M, Ezi S. The Impact of Diabetes on Hippocampus. In: Zhang PX, editor. Hippocampus - New Advances. 1 ed: IntechOpen; 2021.

Teaching Experiences:

- ✓ Human Gross Anatomy (Neuroanatomy, Head and Neck, Trunk and Limbs Anatomy) for Medical, Paramedical and Rehabilitation Science Students
- ✓ Surface Anatomy for Rehabilitation Science Students
- ✓ Human histology for Medical and Paramedical Students
- ✓ Lab instructor for human anatomy and histology lecture for Medical and Paramedical Students

Conference Papers:

- ✓ The 11th Iranian Congress on Anatomical Sciences. 19-21 Feb, 2014. Ahvaz, Iran. (Poster Presentation).
- ✓ The 12th Iranian Congress on Anatomical Sciences. 4-6 May, 2016. Tehran, Iran. (***Poster Presentation***).

Workshops & Seminars:

- ✓ ***The 11th Iranian Congress on Anatomical Sciences. 19-21 Feb, 2014. Ahvaz, Iran.***
- ✓ ***The 12th Iranian Congress on Anatomical Sciences.*** 4-6 May, 2016. Tehran, Iran.
- ✓ Educational Workshop “***Endnote Software***” in November 2014
- ✓ Educational Workshop “***Research Methodology***” in April 2015.
- ✓ Educational Workshop “***laboratory Animals***” in February 2019.
- ✓ Educational Workshop “***q-PCR***” in September 2019.
- ✓ “***Principles of health & Safty in biomedical research laboratories***” SUMS, Shiraz, Iran, January, 2019.

Technical Skills and Lab Experiences:

- ✓ General cell and tissue culture techniques (primary culture and established lines)
- ✓ Isolation, expansion and differentiation of mesenchymal stem cell from bone marrow, umbilical cord and Fat
- ✓ Laboratory animals handling, drug administration and sampling
- ✓ Immonohistochemistry
- ✓ Histological & Histochemical techniques
- ✓ Transmition and Scanning Electron Microscopy
- ✓ Atomic force Microscopy
- ✓ MTT Assay
- ✓ DNA quantification test & analyziz
- ✓ GAG quantification test & analyziz
- ✓ Flow cytometry
- ✓ Western blotting, PCR and RT PCR
- ✓ Stereology and morphometric analysis
- ✓ Wound Healing Animal Models
- ✓ Animal Stereotaxic Surgeries

Computer skills:

- ✓ Microsoft office (Word, PowerPoint, Excel,...)
- ✓ SPSS
- ✓ ImageJ
- ✓ EndNote
- ✓ Prism
- ✓ Stereology Softwares
- ✓ Camtasia