

# Curriculum vitae



**Dr. Hojjat-Allah Abbaszadeh, PhD**

**Associate Professor**

**Department of Anatomy and Biology, School of  
Medicine, Shahid Beheshti Medical University**

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- **Founder of the Board and Member of the Regenerative Medicine network at SBMU**
- **Founder of the Board and Research Committee Member of the Hearing Disorders Research Centre at SBMU**
- **Founder of the Board and Research Committee Member of the Skull Base Research Centre at SBMU**
- **Founder of the Board and Research Committee Member of the Laser in medical sciences Research Centre at SBMU**
- **Editorial Board Member of Otorhinolaryngology and Facial Plastic Surgery (ORLFPS)**

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## **PERSONAL DETAILS**

Date of birth : 1981  
Nationality : Iranian  
Religion: Islam

## **Employment**

Full-time member of Biology and Anatomical Sciences Department,  
School of Medicine, Shahid Beheshti University of Medical Sciences,  
2014 - Present

## **Educational History**

### **a. Education (Academic Preparation)**

2013. PhD in Anatomical sciences, Tarbiat Modares University, School  
of Medicine, Department of anatomy. Tehran, Iran

200<sup>v</sup>.M.Sc. shahid Beheshti University of Medical Sciences, Tehran,  
Iran

2003.B.Sc. Shahid Beheshti University of Medical Sciences, Tehran,  
Iran

### **b. Theses and Supervisors**

**PhD Thesis title:** combine therapy in rat model of spinal cord injury by  
Oligodendrocyte like-cells and BMSCs secreted CNTF. (Professor. Taki  
Tiraihi)

**M.Sc. thesis title:** effects of heated human follicular fluid (hHFF) and  
MEM- $\alpha$  on maturation and fertilization of immature mouse oocytes on  
maturation and fertilization of immature mouse oocytes. (Professor.  
Ahmad Husseini)

## **PROFESSIONAL MEMBERSHIP**

2012-2016 Iranian Society for Stem Cell Research, *Member*  
2009-2016 Shefa neurosciences research center, *Member*  
2006-2016 Iranian anatomical society, *Member*

## **LANGUAGE PROFICIENCY**

**Persian:** Mother tongue

**English:** (Reading/Writing/Speaking/listening) fluent

## **PUBLICATIONS**

1. Human ciliary neurotrophic factor–overexpressing stable bone marrow stromal cells in the treatment of a rat model of traumatic spinal cord injury. **HA Abbaszadeh**, T Tiraihi, A Noori-Zadeh, AR Delshad, M Sadeghizade. *Cytotherapy*. 2015. 17 (7), 912-921.
2. Comparison of Direct and Indirect cold atmospheric-pressure plasma methods in the B 16 F 10 melanoma cancer cells treatment  
F Saadati, H Mahdikia, **HA Abbaszade** - Scientific reports, 2018
3. Bioinspired Nanofiber Scaffold for Differentiating Bone Marrow-Derived Neural Stem Cells to Oligodendrocyte-Like Cells: Design, Fabrication, and Characterization. Boroojeni FR, Mashayekhan S, **Abbaszadeh HA**, Ansarizadeh M, Khoramgah MS, Movaghar VR. *International Journal of Nanomedicine*. 2020; 15:3903.
4. Deferoxamine promotes mesenchymal stem cell homing in noise-induced injured cochlea through PI3K/AKT pathway. Peyvandi AA, **Abbaszadeh HA**, Roozbahany NA, Pourbakht A, Khoshsirat S, Niri HH, Peyvandi H, Niknazar S. *Cell Prolif*. 2018 Jan 17.
5. Trehalose neuroprotective effects on the substantia nigra dopaminergic cells by activating autophagy and non-canonical Nrf2 pathways  
S Darabi, Noori-Zadeh, **HA Abbaszadeh**, F Rajaei, S Bakhtiyari. *Iranian Journal of Pharmaceutical Research* 18 (2).

6. Rabiei MM, Khorangah KS, Darazam IA, Vafaei-Nezhad S, Dargahi S, Abbaszadeh HA. Therapeutic effect of mesenchymal stem cell therapy in the LVEF, LVEDV, and LVESV after myocardial infarction. *Bratislavske Lekarske Listy*. 2021 Jan 1;122(11):785-92.
7. The controlled release of dexamethasone sodium phosphate from bioactive electrospun PCL/gelatin nanofiber scaffold. S Mashayekhan, F Rasti, **HA Abbaszadeh\***. *Iranian Journal of Pharmaceutical Research* 18 (1), 1-12.
8. Protective effect of [Pyr1]-apelin-13 on oxidative stress-induced apoptosis in hair cell -like cells derived from bone marrow mesenchymal stem cells. Somayeh Niknazar, **Hojjat-Allah Abbaszadeh**, Hassan Peyvandi, Omidvar Rezaei. *European Journal of Pharmacology*. 2019
9. Effects of Sertoli Cell Transplantation on Spermatogenesis in Azoospermic Mice. Sanaz Ziaepour, Behnaz Ahrabi, Abbas Aliaghaei, **Hojjat-Allah Abbaszadeh**, Abdollah Amini, Shabnam Abdi, Shahram Darabi, Mohammad-Amin Abdollahifar. 2019. *Cellular Physiology and Biochemistry*. 2019.
10. Critical role of SDF-1/CXCR4 signaling pathway in stem cell homing in the deafened rat cochlea after acoustic trauma. Peyvandi AA, Roozbahany NA, Peyvandi H, **HA Abbaszadeh**, Majdinasab N, Faridan M, Niknazar S. *Neural Regen Res*. 2018 Jan;13(1):154-160.
11. Evaluation of the effect of BMSCs condition media and methylprednisolone in TGF- $\beta$  expression and functional recovery after an acute spinal cord injury S. Khoshsirat, **HA Abbaszadeh**, B. Ahrabi, M. Bahrami, M. A. Abdollahifar. *Bratislava Medical Journal* 119 (11), 684
12. Alterations of neuroimmune cell density and pro-inflammatory cytokines in response to thimerosal in prefrontal lobe of male rats K Afsordeh, Y Sadeghi, A Amini, Z Namvarpour, MA Abdollahifar, **HA Abbaszadeh**. *Drug and chemical toxicology*, 1-11.
13. Determinants of survival of common childhood cancers in Iran. A Keramatinia, M Mohseny, ME Akbari, A Mosavi-Jarrahi, ED Monfared, **HA Abbaszadeh**. *Journal of research in medical sciences: the official journal of Isfahan*. 2018.

14. SMER28 Attenuates Dopaminergic Toxicity Mediated by 6-Hydroxydopamine in the Rats via Modulating Oxidative Burdens Autophagy-Related Parameters. Shahram Darabi, Ali Noori-Zadeh, Farzad Rajaei, **HA Abbaszadeh**. *Neurochemical Research* 43 (482), 1-11.

15. Hippocampal NR3C1 DNA methylation can mediate part of preconception paternal stress effects in rat offspring. S Niknazar, A Nahavandi, AA Peyvandi, H Peyvandi, NA Roozbahany, **HA Abbaszadeh**. *Behavioural Brain Research*. 2017. 324, 71-76.

16. Therapeutic Effects of Laser on Partial Osteotomy in the Rat Model of Hypothyroidism. Niloofar Sefati, **HA Abbaszadeh**, Fatemeh Fadaei Fathabady, Mohammad Amin abdolahifar. *Journal of Lasers in Medical Sciences*. 2018.

17. Stereological and molecular studies on the combined effects of photobiomodulation and human bone marrow mesenchymal stem cell conditioned medium on wound. Abdollah Amini, Ramin Pouriran, Mohammad-Amin Abdollahifar, **HA Abbaszadeh**. *Journal of Photochemistry and Photobiology B: Biology* 182. 2018.

18. Proteomics Applications in Health: Biomarker and Drug Discovery and Food Industry. Amiri dashatan, Nasrin, koushki, Mehdi, **HA Abbaszadeh**, Rostami-Nejad, Mohammad, Rezaeitavirany, Mostafa. *Iranian Journal of Pharmaceutical Research*, 2018.

19. Er: YAG Laser and Cyclosporin A Effect on Cell Cycle Regulation of Human Gingival Fibroblast Cells. **HA Abbaszadeh**, AA Peyvandi, Y Sadeghi, A Safaei, M Zamanian-Azodi,. *Journal of Lasers in Medical Sciences* 8 (3), 143-149.

20. Decrease in Cavity Size and Oligodendrocyte Cell Death Using Neurosphere-Derived Oligodendrocyte-Like Cells in Spinal Cord Contusion Model. **HA Abbaszadeh**, Taki Tiraihi, Yousef Sadeghi, Ali Reza Delshad *Iranian Biomedical Journal*, 2017.

21. The combined effects of Low-Level Laser and Bone Marrow Stem Cell condition media on stereological and biomechanical Parameter in hypothyroidism rat model. Niloofar Sefati, **HA Abbaszadeh**, Fatemeh Fadaei Fathabady, Mohammad Amin Abdollahifar. Maryam Sadat Khoramgah, Shahram Darabi, Mohsen Noroozian. Journal of Lasers in Medical Sciences. 2018.

22. Impact of Melatonin supplementation in the rat spermatogenesis subjected to forced Swimming exercise. Ardeshir Moayeri, Tahmineh Mokhtari, Azim Hedayatpour, **HA Abbaszadeh**, Shahram Mohammadpour, Hajar Ramezanikhah, Saeed Shokri. androlgia. 2017.

23. Creatine and Retinoic acid effects on the induction of autophagy and differentiation of Adipose Tissue-Derived Stem Cells into GABAergic-like neurons. Shahram Darabi, Taki Tiraihi, Ali Noori-Zadeh, Farzad rajaei, Leila Darabi, **HA Abbaszadeh**. BUMS. 2107.

24. Effects of Bone Marrow Mesenchymal Stem Cells-Conditioned Medium on Tibial Partial Osteotomy Model of Fracture Healing in Hypothyroidism Rats. Niloofar Sefati, Mohsen Norouzian, **Hojjat-Allah Abbaszadeh**, Mohammad-Amin. Iranian Biomedical Journal. 2017; 21 (5).

25. Low Level of Autophagy-Related Gene 10 (ATG10) Expression in the 6-Hydroxydopamine Rat Model of Parkinson's Disease. Marzieh Shams Nooraei, Ali Noori-Zadeh, Shahram Darabi, **HA Abbaszadeh**. Iranian biomedical journal. 2017; 22 (1), 1-5.

26. In Vitro Differentiation of Adipose Derived Stem Cells Into Functional Dopaminergic Neurons. Azam Asemi Rad, Mohammad Hasan Heidari, Abbas Aliaghaei, **HA Abbaszadeh**. Biomedical and Pharmacology Journal. 2017; 10 (2).

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27. Polarized neural stem cells derived from adult bone marrow stromal cells develop a rosette-like structure. S Darabi, T Tiraihi, A Ruintan, **HA Abbaszadeh**, AR Delshad, T Taheri *In Vitro Cellular & Developmental Biology-Animal* 49 (8), 638-652
28. Improvement of Spinal Cord Injury in Rat Model via Transplantation of Neural Stem Cells Derived From Bone Marrow. **HA Abbaszadeh**, T Tiraihi, M Sadeghizade, A Delshad, T Taheri, *Journal of Kerman University of Medical Sciences* 2016; 23 (4), 421-435
29. The effects of exogenous melatonin on morphological changes in locus ceruleus nucleus Characterized by REM sleep deprivation S Mesgar, AA Aghae, SB Jame'ei, MA Abdollahifar, **HA Abbaszadeh**, *The Journal of Otorhinolaryngology and Facial Plastic Surgery* 2017 (1)
30. Bone marrow stromal cell transdifferentiation into oligodendrocyte-like cells using triiodothyronine as a inducer with expression of platelet-derived growth factor  $\alpha$  as a maturity marker. **HA Abbaszadeh**, T Tiraihi, AR Delshad, MS Zadeh, T Taheri. *Iranian biomedical journal* 17 (2), 62
31. Differentiation of neurosphere-derived rat neural stem cells into oligodendrocyte-like cells by repressing PDGF- $\alpha$  and Olig2 with triiodothyronine. **HA Abbaszadeh**, T Tiraihi, AR Delshad, M Saghedizadeh, T Taheri, *Tissue and Cell* 46 (6), 462-469
32. Evaluation of the effects of pulsed wave LLLT on tibial diaphysis in two rat models of experimental osteoporosis, as examined by stereological and real-time PCR gene expression analyses. SB Zhaleh Mohsenifar, Mohammadjavad Fridoni, Mahdi Ghatrehsamani, Mohammad, **HA Abbaszadeh** .*Lasers in Medical Science*, 2016; 1-12
33. Regulatory T Cell Number in Multiple Sclerosis Patients: A Meta-Analysis. Ali Noori-Zadeh, Seyed Alireza Mesbah-Namin, Sara Bistoon-beigloo, Salar, **HA Abbaszadeh**, *Multiple Sclerosis and Related Disorders* 4 (5).2016.

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36. Co-culturing of oligodendrocyte-like cells derived neurosphere by motoneuron derived mesenchymal stem cells in order to produce myelin in vitro. **HA Abbaszadeh**, Taki Tiraihi, Ali Noori-Zadeh, Ali Reza Delshad .Daneshvar Journal.
37. Sexual Dimorphism and Age-Related Variations of Corpus Callosum Using Magnetic Resonance Imaging. Mastery Farahani R, Aliaghaei A, Abdolmaleki A, **Abbaszadeh H A**, Shaerzadeh F. ASJ 13 (3), 159-166.
38. Nandrolone decanoate administration can increase apoptosis in spermatogenesis cell lines in male rats. Saeed shokri, **HA Abbaszadeh**. Ardeshir Moayeri. Journal of Basic Research in Medical Sciences
39. Transfection of BMSCs by pSec-TAG-A-CNTF in spinal cord injury **Hojjat Allah Abbaszadeh** , Taki Tirahi , Ali Noori. medical daneshvar 21 (110), 1-10
40. Molecular cloning and blast by gene bank of alpha and beta subunit in LH hormone into mammalian shuttle vector PEGFP-N1 using IRES. nossrat allah zarghami maryam sadat khoramgah, mojgan bandeh pour, **HA Abbaszadeh**, medical daneshvar 2013 (21 (107)), 1-10
41. Expression of glial markers in bone marrow-derived oligodendrocyte-like cells induced by thyroid hormone. **HA Abbaszadeh**, T Tirahi, M Sadeghizade, AR Delshad Pajoohandeh Journal 17 (3), 104-113.



42. Bone marrow stromal cells transfected with ciliary neurotrophic factor gene by secretory vector. **HA Abbaszadeh**, T Taki, Clinical Biochemistry 44 (13), S309

43. Effects of Heated Human Follicular Fluid (hHFF) and MEM- $\alpha$  on Maturation and Fertilization of Immature Mouse Oocytes  
**H Abbaszadeh**, GH Fanaii, Y Sadeghi, F Almasi, A Hosseini  
Pajoohandeh Journal 13 (5), 425-432.

44. Effect of different concentrations of Aloe vera leave's extract on the healing process of rat's second degree burn. **HA Abbaszadeh**, Kholoud Ramz, Naser Abbasi, Mohammadreza Hafeziahmadi. J Bas Res Med Sci 3 (4), 34

45. Follicular fluid the best medium of maturation, fertilization and development of immature oocytes. **HA Abbaszadeh**, RM Farahani, M Nooroziyan, MS Khoramgah, A Moayeri, J Bas Res Med Sci.

46. Using transient transfected Chinese hamster ovary (CHO) cells by pET28a-LIC-NTF4 in gene therapy. **HA Abbaszadeh**, MH Karimfar, RM Farahani, M Nooroziyan, M Sadat Khoramgah, J Bas Res Med Sci.

47. Complication of Conventional Septoplasty. N Ahmady Roozbahany, M Khajavi, **H Abbaszadeh** Journal of Hearing Sciences and Otolaryngology 1 (1), 9419-9419

48. Post-rhinoplasty Sinonasal Symptoms. N Ahmady Roozbahany, S Asadi, **H Abbaszadeh**. Journal of Hearing Sciences and Otolaryngology 1 (1), 9388-9388

49. Stable Transfection of pEGFP-N1-MOG Plasmid to Utilize in Multiple Sclerosis Gene Therapy. **HA Abbaszadeh** anatomical sciences journal 12 (1), 3-8.

50. Case Report: A Case Report on Variation in Bifurcation of Brachial Artery. Fatemeh Fadai Fathabadi · **Hojjat-Allah Abbaszadeh** · Mohsen

Noorozian · Mohammad Bayat · Hadi Azimi · Ali Noori -Zadeh · Reza Mastery Farahani

51. Repressing of SOX6 and SOX9 in Situ Chondrogenic Differentiation of Rat Bone Marrow Stromal Cells. Mohammad Hassan Karimfar · Aliasghar Peyvandi · Mohsen Noorozian · Navid Ahmadi Roozbahani · Reza Mastery Farahani · Maryam Sadat Khoramgah · Hadi Azimi · Ayad Bahadori Monfared · **HA Abbaszadeh**. 2016 · Anatomical Science International

52. Magnetic Resonance Imaging-Based Morphometric Assessment of Sexual Dimorphism of Corpus Callosum. reza mastery farahani · abbas ali aghae · **HA Abbaszadeh**. 2016 · Anatomical Science International

53. A Case Report: Rare Communication of Ansa Cervicalis. **HA Abbaszadeh** ,M Noorozian, M Bayat, R Mastery Farahani, MA Abdollahifar, H Azimi, .Anatomical Sciences Journal 12 (4), 199-202.

54. Resveratrol: A miraculous natural compound for diseases treatment M Koushki, N Amiri-Dashatan, N Ahmadi, **HA Abbaszadeh**. Food Science & Nutrition 6 (8), 2473-2490.2018.

55. Investigation of Autophagy-related Genes Expression in the Parkinson's disease Rat Model. Zoherh Golmohammadi, Ali Noori-Zadeh, Farzad Rajaei, Leila Darabi, Hatef, **HA Abbaszadeh**. Crescent Journal of Medical and Biological Sciences 5 (3).2018.

56. Dopaminergic Neuroprotection with Ginkgolide in 6 Hydroxydopamine Rat Parkinson's Disease Model. Alireza Moghadam, Ali Noori-Zadeh, Shahram Darabi, Farzad Rajaei, **HA Abbaszadeh**, Hatef Ghasemi Hamidabadi. Journal of Mazandaran University of Medical Sciences.2019.

57. Effect of Adriamycin on Integrin  $\alpha 1\beta 1$ ,  $\alpha 1\beta 4$  and  $\alpha v\beta 3$  Expression in Rat Endometrium in Estrus Phase. Behnaz Ahrabi, **HA Abbaszadeh**, Rababeh Taheri-panah , Mohsen Noroozian , Hamid Nazarian, Sanaz Alaee ,Maryam Sadat Khoramgah, Marefat Ghaffari Novin .Endocrine Regulations.2019

58. Nod-like receptor protein 3 and nod-like receptor protein1 inflammasome activation in the hippocampal region of postmortem. Mahmoodi-Asl GR, **Abbaszadeh HA**, Tavirani MR, Abdollahi far MA, Khoramgah MS, Niknazar S, Darabi S, Roozbahany NA. BLL.No.2019.

59.. Protective effect of Photobiomodulation Therapy and Bone Marrow Stromal Stem Cells Conditioned Media on Pheochromocytoma Cell Line 12 Against Oxidative Stress Induced by Hydrogen Peroxide. S Khoshsir, **H A Abbaszadeh**, M S Khoramgah, S Darabi, V Mansouri, NAhmady-Roozbahany, B Ahrabi, M Bahrami, S Vafaei, F Tahmasbinia, M Poor Hassan. J Lasers Med Sci. 2019.

60. Effects of Bisphenol A on Stem Cell Characteristics. Y Ebrahimikia, S Darabi, F Rajaei, **H Abbaszadeh**. Research in Medicine.2019

61. Investigating the normal dimensions and sizes of human eye orbit by MRI in Labafinejad Hospital patients in 2016 in Tehran. F Aghajanpour, R Soltani, M Nourozian, F Fadaei, **HA Abbaszadeh**. School of Medicine Students' Journal 1 (1), 13-18.2019

62. Freeze-dried Multiscale Porous Nanofibrous Three Dimensional Scaffolds for Bone Regenerations. Maryam Sadat Khoramgah, Javad Ranjbari, **Hojjat-Allah Abbaszadeh**, et al. bioimpact 5 (2) 2020.

63. Meiosis resumption of the human immature oocyte following treatment with calcium ionophore in vitro. elham fazeli , Ahmad Hosseini , Mohammad-Hasan Heidari , Fattaneh Farifteh, **Hojjat-Allah Abbaszadeh**, et al.2020. cell journal 23 (2).

64. Investigating Neurocranial Sizes And Cephalic Indices Of Male Newborns In North of Tehran Using Millimetric Cephalometry. R Soltani, F Aghajanpour, MA Shahrbaaf, F Fadaei, **HA Abbaszadeh**.2019. School of Medicine Students' Journal 1 (1), 4.

65. Ribbon Synapse Reformation: A Key Role for the Hearing Restoration; A Review. S Niknazar, AA Peyvandi, **HA Abbaszadeh**, S Khoshsir. The Journal of Otorhinolaryngology and Facial Plastic Surgery 5 (2), 1-6.2019.

66. Exosome Therapy in Spinal Cord Injury: A Review. S Khoshsir, A Keramatnia, MS Khoramgah, S Vafaei-Nezhad, **HA Abbaszadeh**. The Journal of Otorhinolaryngology and Facial Plastic Surgery.2019. 5 (2), 1-8.

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69. Cell Therapy in Hearing Loss Treatment: A Review of Recent Advances B Ahrabi, **HA Abbaszadeh**, S Khoshsir, AA Peyvandi, MS Khoramgah. The Journal of Otorhinolaryngology and Facial Plastic Surgery 5 (1), 1-8. 2019.

70. Cell Therapy; a New and Safe Strategy for the Treatment of Spinal Cord Injury: A Review. H Peyvandi, **HA Abbaszadeh**, A Peyvandi, S Niknazar, MS Khoramgah. The Journal of Otorhinolaryngology and Facial Plastic Surgery 5 (1), 1-7. 2019.

71. Neuroprotective Effects of Curcumin on the Proliferation and Viability of Neural Stem Cells against H<sub>2</sub>O<sub>2</sub>. MS Khoramgah, A Peyvandi, S Niknazar, S Darabi, S Khoshsir, **HA Abbaszadeh**. The Journal of Otorhinolaryngology and Facial Plastic Surgery 5 (1), 1-7. 2019.

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91. Peyvandi AA, Niknazar S, Zare Mehrjerdi F, Abbaszadeh HA, Khoshsirat S, Peyvandi M. Molecular mechanisms and signaling pathways involved in immunopathological events of COVID-19. *Physiology and Pharmacology*. 2021 Sep 10;25(3):193-205.

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## **Books Authored:**

1. Anatomy .2018
2. General anatomy .2018

- **Scopus address:**

<https://www.scopus.com/authid/detail.uri?origin=result&authorId=55760613300&zone=>

- **Google scholar address:**

<https://scholar.google.com/citations?user=tXFnS4EAAA&hl=en>

- **Research gate address:**

[https://www.researchgate.net/profile/Hojjat\\_Abbaszadeh](https://www.researchgate.net/profile/Hojjat_Abbaszadeh)

- **Laboratory Technical Skills**

- Mouse neural cell culture: mouse embryonic neural stem cell culture (Neurosphere culture), Oligodendrocyte progenitor cell culture (oligosphere culture), oligodendrocyte culture, Normal and reactive Astrocyte culture, Microglia culture, neuron culture; MACS (magnetic activated cell sorting); FACS (Fluorescent activated cell sorting); Immunohistochemistry and Immunocytochemistry, immunofluorescent staining, Light and fluorescent microscopy, Proliferation assays, differentiation assays, survival assays; Genomics and proteomics analysis: PCR, QPCR, 2D electrophoresis for MS proteomics , Western blotting; Animal models (mouse): spinal cord injury.



- **Handling with laboratory animals**

Rat

Mouse

Rabbit

- **Scientific Writing and Statistical Skills**

1- Strong scientific writing skills, university essays and laboratory reports

2- Knowledge of related statistical methods

### **Teaching Experiences:**

- Limb anatomy: Shahid Beheshti University of Medical Sciences
- Trunk anatomy: ilam University of Medical Sciences
- Neuroanatomy: ilam University of Medical Sciences
- Embryology: ilam University of Medical Sciences
- General anatomy: Shahid Beheshti University of Medical Sciences
- Embryology: arak University of Medical Sciences
- Embryology: azad University of Medical Sciences
- General anatomy: azad University of Medical Sciences
- Limb anatomy: kashan University of Medical Sciences
- General anatomy: kashan University of Medical Sciences
- Embryology: jahad daneshgahi Shahid Beheshti University of Medical Sciences
- Histology: Shahid Beheshti University of Medical Sciences
- Head and neck anatomy: Shahid Beheshti University of Medical Sciences
- Visual system: Shahid Beheshti University of Medical Sciences
- Auditory system: Shahid Beheshti University of Medical Sciences

- **Approved Projects and Proposals**

1. The combined effects of Mesenchymal Stem Cell Condition Media and Low-Level Laser on stereological Parameter in hypothyroidism rat model.
2. Evaluation of autophagy induced MSCs on fibrosis and progression chronic kidney disease.
3. bone marrow Stem Cell Transplantation and Functional Recovery after Spinal Cord Injury in rat model.
4. Impact of Antioxidan supplementation in the rat spermatogenesis
5. Prevalence of gliosis, morphological and morphometric changes of the hippocampus region in dead addicts crystal meth brain's at Kahrizak Legal Medicine center .
6. Study on the effects of cold atmospheric plasma on ear skin cancer cells and comparison with chemical agent effects
7. The effects of Ritalin on the male rat's Hippocampus : histopathological and molecular study
8. the histopathological effect of ritalin emines ration on adult male rat's hippocampus
9. Direct reprogramming of adult human fibroblast cells to Nephric like cells by establishment of an initial epigenetic activation phase
10. Comparison between proteomic and genomic profiles of colitis and colon adenocarcinoma
11. The effect of graphene oxide and magnesium ion on the expression of bone marrow derived stem cell proteins in an electrospun scaffold.
12. Investigation of the effect of substance p 1-7 through glutaminergic system on functional recovery after contusion spinal cord injury in adult rats
13. Investigating the effect of microRNA 125-mediated Sonic Hedgehog signaling pathway on the epithelial-mesenchymal transition and cancer stemness in glioblastoma cancer
14. The effect of stem cells to the ataxia emerged with 3-acetylpyridine (3-AP) in rat
15. The effect of exogenous melatonin on apoptosis of neuroadrenergic neurons in locus coeruleus of adult male rats after REM sleep deprivation

16. Study of protective effect of Ginkgo biloba on the noise induced apoptosis signaling activation in the rats' auditory cortex
17. A survey of conductive nanofibrous scaffold and tissue plasminogen activator effects on sciatic nerve repair following axotomy in rats
18. Transplantation of dopaminergic neurons differentiated from human chorion-derived stem cells in rat models of Parkinson's disease
19. Study of survival of transplanted mesenchymal stem cell via round window in deaf rat cochlea
20. Investigation on of P53 codon 72 polymorphism in patients with endometriosis