1) Personal Information

First name: Mohamadreza
Surname: Baghaban Eslaminejad
Academic Title: Professor
Department: Department of Stem Cells and Developmental Biology, Royan Institute, Tehran, Iran
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2) Educational background

Degree		University	
BSc	Physiotherapy	Iran Medical Uni. (Tehran, Iran)	1990
MSc	Anatomy	Tarbiat modares Uni. (Tehran, Iran)	1997
PhD	Anatomical sciences	Tarbiat modares Uni. (Tehran, Iran)	2004

3) Training

Research visitor of Stem Cell Translational Department, Riken center, Kobe, Japan (2003 – 2004).

4) Courses Taught

1- Human Embryology
2- Human Histology
For Medical, Dentistry, Developmental Biology and Tissue Engineering student (MSc and PhD course)

5) Research Interests

1) Biology of Mesenchymal Stem Cells (MSCs)
2) MSCs transplantation in cartilage and bone defects
3) Bone and cartilage tissue engineering using MSCs
4) Cellular aspects of embryo development

6) Honors and Awards

1- Winner of the 7th Royan International Research award on reproductive biomedicine and stem cells, 2006
2- Distinguished investigator of Tehran province in year 2007
3- Selected researcher in 14th Razi Research Festival on Medical Sciences Award, 2008

4- Iranian Excellent Researcher in 10th Festival of Appreciation of Selective Researchers and Technologists, 2009.
5- Inclusion in the list of scientific leaders/elite of Iran in year 2018 and 2019
6- Selection of the chapter books with the title '3D Printing in Dentistry' as one of the 2020 highlighted research by the Springer Nature

7) Patents

1-Surface antigen discovery on marrow-derived mesenchymal stem cells, Iranian Patent no.45676, 2008

2-Low density culture system for mesenchymal stem cell isolation, purification and expansion, Iranian Patent no 46256, 2008

3- Reconstruction of critical size defect of mandible using Mesenchymal stem cell transplantation, Iranian patent no 47762, 2008

4- Producing the biocompatible scaffold for rapid repair of cartilage defects, Iranian patent no 51421, 2008.

8) Supervisor of Thesis

Supervisor of about 100 MD, MSc and PhD dissertations

9) Workshops

1-Chairman of a national workshop entitled “Bone tissue engineering using mesenchymal stem cells” for 10 Years
2- Chairman of an international workshop entitled “Mesenchymal stem cells: Isolation, Purification, Differentiation” for 10 Years

10) Publication List

Books

As the Editor

1- Bone Tissue Engineering and Mesenchymal Stem Cells (in Persian), 2011, **Royan Institute publication.**

2- Mesenchymal Stem Cells, cartilage tissue engineering and regenerative medicine (In Persian), 2013, **Royan Institute publication**.

3- Tissue Stem Cells medicine (In Persian), 2019, **Khaneh Zistshenasi Publication**

4- Cartilage: from Biology to Biofabrication (English), 2023, Springer Nature

Contribution

1-Baghaban Eslaminejad. Mesenchymal Stem Cell bone differentiation and its applications in the Book Mesenchymal Stem Cells, 2011, **Nova publication**.

2-Baghaban Eslaminejad M, Faghihi F. Mesenchymal Stem Cell-Based Bone Engineering for Bone Regeneration in the Book Regenerative Medicine and Tissue Engineering – Cells and Biomaterials, 2011, **In Tech publication**.

3-Baghaban Eslaminejad M, Zomorodian E, Bagheri F. Mesencymal stem cells in bone and cartilage regeneration in the book Regenerative Medicine and Cell Therapy, 2013, **Springer (Humana Press).**

4- Karamzadeh R, Baghaban Eslaminejad M. Dental-related Stem Cells and Their Potential in Regenerative Medicine in the book Regenerative Medicine and Tissue Engineering, 2013, **In Tech publication.**

5-Baghaban EslaminejadM, Taghiyar L, Safari F. Nanotissue Engineering of Musculoskeletal Cells in the book Nanotissue Engineering – Biological Approach along with Differentiation, 2015, **Wiley-Blackwell.**

6-Hosseini S, Eslaminejad MB. Mesenchymal Stem Cells: An Optimistic Cell Source in Tissue Engineering for Bone Regeneration. In book: Bone and Cartilage Regeneration, pp.205-243. **By Springer** , 2016

7-Shamekhi MA, Mahdavi H, Mirzadeh H, Rabiee A, Mohebbi-Kalhori D, Eslaminejad MB. Platelet-Rich Plasma Incorporated Nanostructures for Tissue Engineering Applications, In book: Multifunctional Systems for Combined Delivery, Biosensing and Diagnostics, pp.211-227, **By Elsevier** , 2017

8- Eslaminejad MB, Oryan A, Kamali A, Moshiri A. The role of nanomedicine, nanotechnology, and nanostructures on oral bone healing, modeling, and remodeling. In book: Nanostructures for Oral Medicine, pp.777-832, **By Elsevier** , 2017

9-Hosseini H, Jahangir S, Eslaminejad MB. Tooth tissue engineering: Biomaterials for Oral and Dental Tissue Engineering, pp. 467-501, By **Elsevier** , 2018

10- Hosseini S, Shamekhi MA, Jahangir S, Bagheri F, Eslaminejad MB. The Robust Potential of Mesenchymal Stem Cell-Loaded Constructs for Hard Tissue Regeneration After Cancer Removal: Adv Exp Med Biol. **By Springer**, 2018

11-Hosseini S, Bagheri F, Shamekhi MA, Eslaminejad MB. Polymeric Scaffolds for MSC-based Cartilage Tissue Engineering: Encyclopedia of Polymer Applications. 2018, by **Taylor & Francis**.

12-Shamekhi MA, Mahdavi H, Mirzadeh H, Rabiee A, Mohebbi-Kalhori D, Haghighipour N, Eslaminejad MB. Chitosan: Tissue Engineering and Wound Dressing Applications. Encyclopedia of Polymer Applications. 2018, by **Taylor & Francis**.

13- Hosseini S, Taghiyar L, Safari F, Baghaban Eslaminejad M. Regenerative Medicine Applications of Mesenchymal Stem Cells. Adv Exp Med Biol. 2018

14-Samaneh Hosseini, Majid Halvaei, Amin Ebrahimi, Mohammad Amin Shamekhi, **Mohamadreza Baghaban Eslaminejad**; 3D Printing in Dentistry in the Book Applications of Biomedical Engineering in Dentistry; 2020; by Springer.

15-Maliheh Khademi-Shirvan, Mahsa Ghorbaninejad, Samaneh Hosseini, **Mohamadreza Baghaban Eslaminejad**; The Importance of Stem Cell Senescence in Regenerative Medicine; in the Book Advances in Experimental Medicine and Biology; 2020; Springer

16-Amin Ebrahimi Sadrabadi, Payam Baei, Samaneh Hosseini, **Mohamadreza Baghaban Eslaminejad**; Decellularized extracellular matrix as a potent natural biomaterial for regenerative medicine in the Book Advances in Experimental Medicine and Biology; 2020; Springer

17-Afsaneh Adibfar, Samaneh Hosseini, **Mohamadreza Baghaban Eslaminejad**; Smart Polymeric Systems: A Biomedical Viewpoint; in the Book Advances in Experimental Medicine and Biology; 2020; Springer

18-Leila Taghiyar, Shahrbano Jahangir, MA Shamekhi, **MB Eslaminejad**; Cartilage Repair by Mesenchymal Stem Cell-Derived Exosomes: Preclinical and Clinical Trial Update and Perspectives; in the Book Advances in Experimental Medicine and Biology; 2021; Springer

19-M Soleymani-Goloujeh, S Hosseini, **M Baghaban Eslaminejad**.
Advanced Nanotechnology Approaches as Emerging Tools in Cellular-Based Technologies in the book in the Book Advances in Experimental Medicine and Biology; 2022; Springer

20-Nasiri N, Nateghi R, Zarei F, Hosseini S, **Eslaminejad MB**. Mesenchymal Stem Cell Therapy for Osteoarthritis: Practice and Possible Promises in the Book Advances in Experimental Medicine and Biology; 2022; Springer

21- Payam Baei, Amirreza Ahmadiasl, Mahsa Ghasemzad, Samaneh Hosseini, Mohamadreza Baghaban Eslaminejad. Advances in Hydrogels for Cartilage Regeneration. In Book "Cartilage from biology to Biofabrication" Spring Nature, 2023

22- N Nasiri, S Taheri, S Hosseini, M Baghaban Eslaminejad. Introduction to Cartilage Tissue: Development, Structure, and Functions. In Book "Cartilage from biology to Biofabrication" Spring Nature, 2023

23- M Ghorbaninejad, S Farahi, F Mirzaeian, F Khodabandehloo, S Hosseini. Single-Cell Analysis Approaches in Cartilage Diseases Diagnosis and Therapies. In Book "Cartilage from biology to Biofabrication" Spring Nature, 2023

24- Payam Baei, Hassan Karimi, and Mohamadreza Baghaban Eslaminejad. Polysaccharide-Based Materials for Skeletal Tissue Repair. In book: Handbook of the Extracellular Matrix. Springer Nature 2023.

Journal full paper

A) International

1-**Eslaminejad MB**, Valojerdi MR, Ashtiani SK: A comparison of polarized and non- polarized human endometrial monolayer culture systems on murine embryo development. J EXP clin Assist Reprod 2005; 2: 7

2-**Eslaminejad MB**, Valojerdi MR, Yazdi PE. Computerized three-dimensional reconstruction of cartilage canals in chick tibial chondroepiphysis. Anat Histol Embryol 2006; 35, 247-252.

3- **Eslaminejad MB**, Fathi F.Eftekhari PY.Asahara T. Mouse Attached CD34 positive cell population Expanded by Single Cell Cloning. Yakhteh Med J. 2006; 7, 222-229.

4-**Eslaminejad MB**, Nikmahzar A, Thagiyar L,Nadri S, Massumi M. Murine mesenchymal stem cells isolated by low density primary culture system. Develop Growth Differ. 2006; 48,361-370.

5-Eftekhari-Yazdi P, Valojerdi MR, Ashtiani SK, **Eslaminejad MB**, Karimian L. Effect of fragment removal on blastocyst formation and quality development of human embryos. Reprod Biomed online, 2006;13:823-832.

6- **Eslaminejad MB**, Nikmahzar A, Piriea A. The structure of Human Mesenchymal Stem Cells differentiated into cartilage in micro mass culture system. Yakhteh Med J, 2006, 3:162-171

7- **Eslaminejad MB**. Mesenchymal stem cells. Yakhteh Med J. 2007; P: S21-S30.

8-**Eslaminejad MB**, Nadri S, Hajji Hosseini R. Expression of Thy 1.2 surface antigen increases significantly during the murine MSCs cultivation period. Develop Growth Differ. 2007, 29:351-364.

9- **Eslaminejad MB**, Valojerdi MR, Ashtiani SK, Yazdi PE. Light and electron microscopic study of epithelial cells from human oviduct and uterus sub-cultured on ECM-Gel. J Reprod Med, 2007;52:503-512

10-Dehghan MM, Kazemi H, Masoudifard M**, Eslaminejad MR**, Sharifi D & Vajhi AR. Clinical and ultrasonographic findings of collagenase induced tendinitis in the horse. Iranian J Vet Surg (IJVS); 2007; 2(2): 47-58.

11-**Eslaminejad MB,** Eftekhari-Yazdi P**.** Mesenchymal stem cells: In vitro differentiation among bone and cartilage cell lineages. Yakhteh Med J, 2007; 9: 158-169.

12-**Eslaminejed MB**, Mirzadeh H, Mohamadi Y, Nickmahzar A. Bone differentiation of the marrow-derived mesenchymal stem cells using tricalcium phosphate/alginate/gelatine scaffolds. J Tissue Eng Reg Med, 2007; 6: 417-424.

13-Khojasteh A, **Eslaminejad MB,** Nazarian H. Mesenchymal stem cells enhance bone regeneration in rat calvarial critical size defect more than platelete rich plasma**.** Oral Surg, Oral Med, Oral Pathol, Oral Radiol, Endodont. 2008 ; 106(3): 356-362.

14-Jafarian M, **Eslaminejad MB,** Khojasteh A, Mashhadi Abbas F, Hassanizadeh R, Houshmand. B. Marrow-derived mesenchymal stem cells-directed bone regeneration in the dog mandible: A comparison between Biphasic calcium phosphate and Natural bone mineral. Oral Med, Oral Pathol, Oral Radiol, Endodont. 2008; 105: e14-e24.

15- Kermani SH, Karbalaei KH, Madani SH, Jahangirnejad AA, **Eslaminejad MB,** Nasr-esfahani MH, Baharvand H. Effect of lead on proliferation and neural differentiation of mouse bone marrow mesenchymal stem cells. Toxicol in vitro, 2008; 22: 995-1001.

16-**Eslaminejad MB**, Nazarian H, Taghiyar L. Mesenchymal stem cell isolation from the removed medium of rat's bone marrow primary culture and their differentiation into skeletal cell lineages. Yakhteh Med J, 2008, 10:65-72.

17- **Eslaminejad MB**, Taghiyar L. Mesenchymal stem cell purification from the articular cartilage cell culture. Iranian J Basic Med Sci, 2008; 3: 146-153.

18-**Eslaminejad MB,** Jafarian M, Khojasteh A, Mashadiabbas F, Dehghan MM, Farokhi A, Hassanizadeh R. In vivo bone formation by canine mesenchymal stem cells loaded onto HA/TCP scaffolds: Qualitative and quantitative analysis. Yakhteh Med J, 2008,3: 205-212.

19- **Eslaminejad MB,** Jafarian M, Khojasteh A, Mashadiabbas F, Dehghan MM, Houshmand B. Enhancing ectopic bone formation in canine masseter muscle by loading mesenchymal stem cells onto natural bovine bone minerals. Iranian J Vet Surg, 2007: 4:25-35.

20-**Eslaminejad MB**, Salami F, Soleimani M M, Abnousi M, Eftekhari-Yazdi P. BIO treatment protects rat marrow-derived mesenchymal stem cell culture against the TNF-α- induced apoptosis. Yakhteh Med J, 2009, 1:35-42.

21-Nejati E, Firouzdor V, **Eslaminejad MB**, Bagheri F. Needle-like nano hydroxyapatite/poly(l- lactide acid) composite scaffold for bone tissue engineering application. Mat Sci Engin C. 2009, 29: 942-949.

22-**Eslaminejad MB**, Talkhabi M, Zainali B. Effect of Lithium chloride on proliferation and bone differentiation of rat marrow-derived mesenchymal stem cells in culture. Iranian J Basic Med Sci, 2008; 3: 143-151.

23-**Eslaminejad MB**, Taghiyar L, Dehghan MM, Falahi F, Kazemi H. Equine marrow-derived mesenchymal stem cells: Isolation, differentiation and culture optimization. Iranian J Vet Res, 2009; 26:1-11.

24- Zandi M, Mirzedeh H, Mayer C, Urch H, **Eslaminejad MB**, Bagheri F, Mivehchi H. Biocompatibility evaluation of nano-rod hydroxyapatite/gelatin coated with nano-Hap as a novel scaffold using mesenchymal stem cells. J Biomed Mater Res part A, 2010; 92A:1244-1255.

25- **Eslaminejad MB**, Rouhi L, Arabnajafi M, Baharvand H. Rat marrow-derived mesenchymal stem cells developed in a medium supplemented with the autologous versus bovine serum. Cell Biol Inter 2009,33:607-616.

26- Alipour H, Eftekhari-yazdi P, Rastgarnia A, **Eslaminejad MB**, Akbarpour M. Effect of LH treated ovine oviductal epiyhelial cell co-culture system on murine pre-embryo development. Inter J Fer Steril 2008; 3: 132-138.

27- **Eslaminejad MB**, Nadri S. Murine mesenchymal stem cell isolated and expanded in low and high density culture system: Surface antigen expression and osteogenic culture mineralization. In vitro Cellul and Dev Biol, 2009, 45(8):451-459.

28- **Eslaminejad MB**, Falahi F, Nazarian H, Taghiyar L, Daneshzadeh MT. Differentiation potential and culture requirements of mesenchymal stem cells from ovine bone marrow for tissue regeneration applications. Iranian J Vet Surg, 2009, Vet Surg, 2007, 5:53-65.

30- **Eslaminejad MB,** Bagheri F. Tissue engineering approach for reconstructing bone defects using mesenchymal stem cells, Yakhteh Med J, 2009; 11: 263-272.

31- **Eslaminejad MB**, Nazarian H, Falahi F, Taghiyar L, Daneshzadeh MT. Ex vivo expansion and differentiation of mesenchymal stem cells from goat bone marrow, Iranian J Basic Med Sci, 2009;12:70-79.

32- **Eslaminejad** MB, Taghiyar L, Falahi F. Quantitative analysis of the proliferation and differentiation of rat articular chondrocytes in alginate 3D culture. Iranian Biomed J, 2009, 13:153-160.

33- **Eslaminejad** MB, Taghiyar L, Falahi F. Costal Versus Articular Chondrocytes in Alginate Three-Dimensional Cultures. Iranian J Biotech, 2009; 3:129-136.

34- **Eslaminejed MB**, Mirzadeh H, Nickmahzar A, Mohamadi Y, Mivehchi H. Type I collagen gel in seeding medium improves murine mesencymal stem cell loading onto the scaffold, increases their subsequent proliferation and enhances the culture mineralization. J Biomed Mater Res part B: Appl Biomater, 2009; 90B: 659-667.

35- **Eslaminejad** MB, Taghiyar L, Falahi F. Co-culture of mesenchymal stem cells with mature chondrocytes: producing cartilage construct for application in cartilage regeneration. Iran J Med Sci. 2009, 34(4): 251-258.

36- **Eslaminejad MB**, Bageri F, Zomorodian E. Matrigel enhances *in vitro* bone differentiation of human marrow-derived mesenchymal stem cells**.** Iran J Basic Med Sci, 2010, 13: 187-194.

37- **Eslaminejad MB,** Bagheri F, Zandi M, Nejati E, Zomorodian E. Study of mesenchymal stem cell proliferation and bone differentiation in composite scaffolds of PLLA and nano hydroxyl apatite with different morphologies. Yakhteh Med J. 2011; 12:469-476.

38- **Eslaminejad MB,** Mardpour S, Ebrahimi M. Growth kinetics and in vitro aging of mesenchymal stem cells isolated from rat adipose versus bone marrow tissues. Iran J Vet Surg. 2008; 3: 9-20.

39- **Eslaminejad MB,** Nazarian H, Shariati M, Vahabi S. Human Dental Pulp Stem Cells: The Culture Optimization for Increased Growth. Inter J Hemat-Onco Stem Cell Res, 2009; 4: 5-13.

40- **Eslaminejad MB,** Nazarian H, Shariati M, Vahabi S. Isolation and in vitro characterization of mesenchymal stem cells derived from the pulp tissue of human third molar tooth. Iranian J Med Sci. 2010; 3: 216-255.

41- **Eslaminejad MB**. Taghiyar L. Study of the Structure of Canine Mesenchymal Stem Cell Osteogenic Culture, Anat Histhol Embryol. 2010; 39: 446-455.

42- Eslaminejad MB, Bageri F, Zandi M, Nejati E, Zomorodian E, Mivehchi H. Comparison of Proliferation and Bone Differentiation of Marrow-derived Mesenchymal Stem Cells on Nano- and Micro-hydroxyapatite Contained Composite Scaffolds. Iran J Biothech. 2010; 4:234-242.

43-Eslaminejad MB, Jahangiri S, Aghdami N**.** Mesenchymal stem cells from murine amniotic fluid as a model for preclinical investigation. Archives Iran Med. 2011; 14:96-103.

44- **Eslaminejad MB,** Mardpour S, Ebrahimi M. Mesenchymal stem cells derived from rat epicardial versus epididymal adipose tissue. Iran J Basic Med Sci. 2011; 14:25-34.

45- **Eslaminejad MB,** Karimi N, Shahhosseini M. Enhancement of glycosaminoglycan-rich matrix production in human marrow-derived mesenchymal stem cell chondrogenic culture by Lithium Chloride and SB216763 treatment. Yakhteh Med J. 2011;13(2):117-26

46- **Eslaminejad MB**, Vahabi S, Nazarian H, Shariati M. In vitro Growth and Characterization of Stem Cells from Human Dental Pulp of Deciduous Versus Permanent Teeth. In press, J Den The Uni Med Sci. 2010;7:185-195.

47- **Eslaminejad MB,** Jahangiri S, Aghdami N**.** Comparison of Proliferation, Senescence and Differentiation of Murine Bone Marrow-Derived and Amniotic Fluid Mesenchymal Stem Cells into Skeletal Cell Lineages. Iran Red Cresent Med J. 2010; 12: 608-616.

48- Ghahramanpoor MK, Hassani Najafabadi SA, Abdouss M, Bagheri F, **Baghaban Eslaminejad M**. A hydrophobically-modified alginate gel system: utility in the repair of articular cartilage defects. J Mater Sci Mater Med. 2011;22:2365-2375

49- Khojasteh A, **Baghaban Eslaminejad M**, Nazarian H, Morad G, Dashti SG, Behnia H, Stevens M. Vertical bone augmentation with simultaneous implant placement using particulate mineralized bone and mesenchymal stem cells: a preliminary study in rabbit. J Oral Implantol. 2012; 1:1-13.

50- Hafezi-ardakani, Kavian F, Moztarzadeh F, **Eslaminejad MB**, Zamanian A, Bagheri F. Poly(lactic-co-glycolic)/Nanostructured merwininte porous composite for bone tissue engineering. I.preparation and morphology. Key Engin Mater. 2012; 493-494: 718-722.

51- Zomorodian E, **Eslaminejad MB**. Mesenchymal Stem Cells as a Potent Cell Source for Bone Regeneration. Stem Cell Internat, 2012:1-9.

52- Emadedin M, Aghdami N, Taghiyar L, Fazeli R, Moghadasali R, Jahangir S, **Eslaminejad MB**. Intra-articular Injection of Autolougous Mesenchymal Stem Cells in Six Patients with Knee Osteoarthritis. AIM, 2012 ; 15(7):422-428

53- Karimi T, **Eslaminejad MB**, Aminlari M, Shahverdi A, Bahmanpour S. Study of telomerase activity, proliferation and differentiation characteristics in umblicard cord blood mesenchymal stem cells. Iran J Vet Res., 2012; 11:176-185

54- **Eslaminejad MB**, Bordbar S. Blastema from rabbit ear contains progenitor cells comparable to marrow derived mesenchymal stem cells. Vit Res Fourum, in press, 2012; 3:159-165.

55- Farrokhi A, **Eslaminejad MB**, Nazarian H, Moradmand A, Samadian A, Akhlaghi A. Appropriate Reference Gene Selection for Real-time PCR Data Normalization during Rat Mesenchymal Stem Cell Differentiation. Cell. Mol. Biol. 2012: 58(Supp): 1660-1670.

56- **Eslaminejad MB**, Jahanghir S. Amniotic Fluid Stem Cells and their Application in Cell-based Tissue Regeneration. Inter J Fer Ster. 2012; 6:147-156.

57- Khorsand A, **Eslaminejad MB**, Arabsolghar M, Paknejad M, Ghaedi B, Rokn AR, Moslemi N, Nazarian H, Jahangir SH. Autologous Dental Pulp Stem Cells in Regeneration of Defect Created in Canine Periodontal Tissue. J Oral Implant. 2013,4: 433-443.

58- Ghasemzadeh-Hasankolai M, Batavani R, **Eslaminejad MB**, Seddighi Gilani M. Effect of Zinc ion on Differentiation of Bone Marrow-derived Mesenchymal Cells to Male Germ Cells and Some Germ Cell-specific Gene Expression in Rams. Biol Trace Element Res. 2012;150:137-146.

59- Khoshchehreh R, Ebrahimi M, **Eslaminejad MB**, Aghdami N, Samani F, Baharvand H. Rat pancreatic stromal cells (PSC) affect differentiation of human mesenchymal stem cells v(hMSC) into insulin-producing cells (IPCs) in vitro. J Cell Sci Ther. 2012, 3(5).

60- Karamzadeh R, **Eslaminejad MB**, Aflatoonoan R. Iolation, Characterization, and Comparative Differentiation of Human Dental Pulp Stem Cells Derived from Permanent Teeth by Using Two Different Methods. J Vis Exp. 2012 ; e4372:1-10.

61- **Eslaminejad MB**, Bordbar S. Isolation and characterization of the progenitor cells from the blastema tissue formed at experimentally-created rabbit ear hole. Iran J Bas Ned Sci. 2013; 16:109-115.

62- Ghasemzadeh-Hasankolai M, **Eslaminejad MB**, Batavani R, Seddighi Gilani M. Comparison of the Efficacy of three Concentrations of Retinoic Acid for Transdifferentiation Induction in Sheep Marrow-derived Mesenchymal Stem Cells into Male Germ Cells. Andrologia, 2014,46(1):24-35..

63- **Eslaminejad MB,** Fani N, Shahhosseini M. Epigenetic Regulation of Osteogenic and Chondrogenic Differentiation of Mesenchymal Stem Cells in Culture. Cell J, 2013;15(1):1-10.

64- Faghihi F, **Eslaminejad MB**, Nekookar H, Najar M, Salekdeh GH. The effect of purmorphamine and sirolimus on osteogenic differentiation of human bone marrow-derived mesenchymal stem cells. Biomede pharmacother. 2013; 67:31-38.

65- Azhdari M, **Eslaminejad MB**, Baharvand H, Nasser Aghdami1 N. Therapeutic potential of human-induced pluripotent stem cell-derived endothelial cells in a bleomycin- induced scleroderma mouse model. Stem Cell Res, 2013; 10:288-300.

66- Nadri S, Kazemi B, **Eslaminejad MB**, Yazdani S, Soleimani M. High yield of cells committed to the photoreceptor-like cells from conjunctiva mesenchymal stem cells on nanofibrous scaffolds. Mol Biol Rep, 2013; 40:3883-3890.

67- Nadri S, Yazdani S, Arefian E, Gohari Z, **Eslaminejad MB**, Kazemi B, Soleimani M. Mesenchymal stem cells from trabecular meshwork become Photoreceptor-like cells on amniotic membrane. Neuroscience Letter, 2013; 541: 43-48.

68- Salemi H, Behnamghader A, **Eslaminejad MB**, Ataei M. Effect of Collagen on the synthesis of Calcium Phosphate Nanoparticles. Proceedings of the Iranian conference on Biomedical Engineering (ICBME 2012), Tehran, Iran, 21-22 Dec 2012.

69- **Eslaminejad MB**, Fallah N. Small Molecule-BIO Accelerates and Enhances Marrow-Derived Mesenchymal Stem Cell in vitro Chondrogenesis, Iran J Med Sci., 2013, 4: 69-76.

70- **Eslaminejad MB**, Bordbar S, Nazarian H. Odontogenic Differentiation of Dental Pulp-derived Stem Cells on Tricalcium Phosphate Scaffolds. J Dent Sci., 2013, 8:306-313.

71- Zamiri B, Shahidi S, **Eslaminejad MB**, Khoshzaban A, Gholami M, Bahramnejad E, Moghadasali R, Mardpour S , Aghdami N. Reconstruction of Human Mandibular

Continuity Defects with Allogenic Scaffold and Autologous Marrow Mesenchymal Stem Cells: Preliminary Results. J Craniofacia S. 2013,24:1292-1297.

72- **Eslaminejad MB**, Fallah N. Effects of BIO on Proliferation and chondrogenic Differentiation of Mouse Marrow-Derived Mesenchymal Stem Cells. J Vet Fourum. 2013, 4:69-76.

73- Malakooty poor E, **Eslaminejad MB**, Bagheri F, Mollarazi E, Gheibi N. Effect of chitosan grafted polyethylenimine nanoparticles as a gene carrier on mesenchymal stem cells viability. J paramed Sci, 2013: 74-80.

74- **Eslaminejad MB**, Karimi N, Shahhosseini M. Chondrogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells Treated by GSK-3 Inhibitors. Histochem Cell Biol, 2013 :623-633.

75- Malakooty poor E, **Eslaminejad MB**, Gheibi N, Bagheri F, Atyabi F. Chitosan/DNA Nanoparticle Characteristics Determine the Transfection Efficacy of Gene Delivery to Human Mesenchymal Stem Cells. Artific Cells, Nanomed Biotech., 2014 ;42(6):376-84.

76- Bagheri F, Safarian S, **Eslaminejad MB**, Sheibani N. siRNA-mediated Knock-down of DFF45 Amplifies Doxorubicin Therapeutic Effects in Breast Cancer Cells. Cell Oncol, 2013, 36: 515-526.

77- Attar A, **Eslaminejad MB**, Tavangar MS, Karamzadeh R, Dehghani Nazhvani A, Ghahramani Y, Malekmohammadi F, Hosseini SM. Dental Pulp Polyps Contain Stem Cells Comparable to the Normal Dental Pulps. J Clin EXP Dent., 2013:53-59.

78- Salemi H, Behnamghader A, **Eslaminejad MB**, Ataei M. Effect of collagen on the morphology and structure of calcium phosphate nanoparticles. Biomed Engin: Applications, Basis and Communications, 2014, 26(5): 1-8.

79- Ghasemzadeh-Hasankolai M, Seddighi-Gilani M, **Eslaminejad MB**. Induction of Ram Bone Marrow Mesenchymal Stem Cells into Germ Cell Lineage using TGF-β Superfamily Growth Factors. Reprod Dom Ani, 2014, 49: 588-598.

80-Ghasemzadeh M, Sedighi-Gilani M, Eslaminejad MB, Mokarizadeh A. Starvation is more efficient than washing technique for purification of rat sertoli cells. In vitro Cell Dev Biol, 2014, 50(8):723-730.

81- Alizadeh E, Zarghami N2 , **Eslaminejad MB**, Akbarzadeh A, Jahangir Sh, Barzegar A, Hashemzadeh S, Mohammadi A. The effect of Dimethyle Sulfoxide (DMSO) om hepatic differentiation of mesenchymal stem cells. Artif Cells, Nanomed Biothech. 2016, 44(1):157-164.

82- Faghihi F, Papdimitripoulos A, Martin I , **Eslaminejad MB**. Effect of purmorphamine on osteogenic differentiation of human mesenchymal stem cells in 3D dynamic culture system. Cell Mol Bioeng. 2014, 7(4): 575-584.

83-Bagheri F, Safarian S, **Eslaminejad MB**, Sheibani N. Stable overexpression of DNA fragmentation factor in T-47D cells: sensitization of breast cancer cells to apoptosis in response to acetazolamide and sulfabenzamide. Mol Biol Rep. (2014) 41:7387–7394.

84- Malakooty poor E, **Eslaminejad MB**, Gheibi N, Bagheri F, Atyabi F. Chitosan/DNA Nanoparticle Characteristics Determine the Transfection Efficacy of Gene Delivery to Human Mesenchymal Stem Cells. Artific Cells, Nanomed Biotech., 2014: 42(6)376-384.

85-Nadernezhad A, Torabnejad B, Hafezi M, **Eslaminejad MB**, Bagheri F, Najafi F. Poly (Lactic-CoGlycolic)/Nanostructureed Merwinite Porous Composites for bone Tissue Engineering: Strucrture and in vitro Characterization. J. Adv Mat Proc.2014: 2 (4): 13-24

86- Paknejad M, **Eslaminejad MB**, Ghaedi B, Rokn A, Khorsand A, Etemad-Moghadam S, Alaeddini M, Dehghan M, Moslemi N, Nowzari H. Isolation and assessment of mesenchymal stem cells derived from bone marrow: histologic and histomorphometric study in a canine periodontal defect. J Oral Implant, 2015 ;41(3):284-91.

87- Ghasemzadeh-Hasankolaei M, **Eslaminejad MB**, Batavani R, Ghasemzadeh-Hasankolaei M. Male and female rat bone marrow-derived mesenchymal stem cells are different in terms of the expression of germ cell specific genes. Anat Sci Int. 2015; 90(3):187-96.

88- Alizadeh E, Akbarzadeh A, **Eslaminejad MB**, Barzegar A, Hashemzadeh S, Nejati-Koshki K, Zarghami N. Up-regulation of Liver enriched Transcription Factors (HNF4a and HNF6) and Liver Specific MicroRNA (miR-122) by Inhibition of Let-7b in Mesenchymal Stem Cells. Chem Biol Drug Des. 2015 ;85(3):268-79.

89- **Eslaminejad** MB, Malakooty E. Mesenchymal stem cells as a potent cell source for articular cartilage regeneration. World J Stem Cells 2015;17(2):211-20.

90- Dehghan MM, **Eslaminejad Mb** , Motallebizadeh N, Ashrafi Halan J, Tagiyar L, Soroori S, Nikmahzar A, Pedram M, Shahverdi H, Kazemi Mehrjerdi H, Izadi S, Transplantation of autologous bone marrow mesenchymal stem cells with platelet-rich plasma accelerate distraction osteogenesis in a canine model, Cell J, 2015 ;17(2):243-52..

91- Samani FS, Ebrahimi M, Zandieh T, Khoshchehreh R, **Eslaminejad MB**, Aghdami N, Baharvand H. The effect of rat Pancreatic Mesenchymal Cells (PMCs) on differentiation of human cord blood CD133+ into Insulin-Producing Cells (IPCs) in vitro. Cell J, 2015 Summer;17(2):211-20.

92- Foroutan KS, Khodarahmi A, Alavi H, Pedram S, **Eslaminejad MB**, Bordbar S. Bone marrow mesenchymal stem cells and vein conduit on sciatic nerve repair in rats. Trauma, 2015, 20(1): 1-4.

93- Ziadlou R, Shahhoseini M, Safari F, Sayahpour FA, Nemati S, **Eslaminejad MB**. Comparative analysis of neural differentiation potential in human mesenchymal stem

cells derived from chorion and adult bone marrow. Cell Tissue Res. 2015, 362(2): 367-377.

94- Emadedin M, Ghorbani Liastani M, Fazeli R, Mohseni F, Moghadasali R, Mardpour S, Hosseini SE, Niknejadi M, Moeininia F3, Aghahossein Fanni A, **Eslaminejhad MB**, Vosough Dizaji A, Labibzadeh N, Mirazimi Bafghi A, Baharvand H, Aghdami N. Long-Term Follow-up of Intra-articular Injection of Autologous Mesenchymal Stem Cells in Patients with Knee, Ankle, or Hip Osteoarthritis. Arch Iran Med. 2015 Jun;18(6):336-44.

95- Ghasemzadeh M, Eslaminejad MB, Sadighi MA. Derivation of Male Germ Cells from Ram Bone Marrow Mesenchymal Stem Cells by Three Different Methods and Evaluation of their Fate after Transplantation into the Testis. In Vitro Cell Dev Biol - Animal. 2016 52(1): 49-61

96- Fekrazad R, Sadeghi Ghuchani M, **Eslaminejad MB**, Taghiyar L, Kalhori KA, Pedram MS, Shayan AM, Aghdami N, Abrahamse H. The effects of combined low level laser therapy and mesenchymal stem cells on bone regeneration in rabbit calvarial defects.. J Photochem Photobiol B. 2015 11; 151:180-185.

97- Bagheri F, Safarian S, **Eslaminejad MB**, Nader Sheibani N. Sensitization of Breast Cancer Cells to Doxorubicin via Stable Cell Line Generation and Overexpression of DFF40. Bioch Cell Biol, 2015, 93(6): 604-610.

98- Alizadeh E, **Eslaminejad MB**, Akbarzadeh A , Sadeghi Z, Abasi M , Herizchi R, Zarghami N. Up-regulation of miR-122 via trichostatin A treatments in hepatocyte like cells derived from mesenchymal stem cells. Chemical Biology & Drug Design , 2016, 87(2):296-305.

99- Fani N, Shahhosein M, **Eslaminejad MB**. Comparative Epigenetic Influence of Autologous versus Fetal Bovine Serum on Mesenchymal Stem Cells through In Vitro Osteogenic and Adipogenic Differentiation. Exp Cell Res, 2016, 344(2):176-182.

100- Gaeini AA, Shafiei Neek L, Choobineh S, **Eslaminejad MB**, Satarifard S, Sayahpour F, Mousavi SN. Preconception Endurance Training with Voluntary Exercise during Pregnancy Positively Influences on Remodeling Markers in Female Offspring Bone
Jf Mater-Fetal & Neonat Med, 2016, 29(22): 3634-3640

101-Fekrazad R, **Eslaminejad MB**, Shayan AM, Alimohammad Kalhori K, Mashhadi Abbas F, Taghiar L, Pedram MS, Sadeghi Ghuchani M. Effects of photobiomodulation and mesenchymal stem cells on articular cartilage defects in rabbit model. Photomed Laser Surg, 2016, 34(11): 543-549.

102-Labibzadeh N, Emadedin M, , Fazeli R, Mohseni F, Hosseini SE, Moghadasali R, Mardpour S, Azimian V, Ghorbani Liastani M, Mirazimi Bafghi A, **Eslaminejad MB**, Aghdami N. Mesenchymal stromal cells implantation in combination with the platelet lysate product is safe for reconstruction of human long bone nonunion. Cell J, 2016, 18(3): 302-309.

103-Karamzadeh R, **Eslaminejad MB**, Sharifi Zarchi A. Comparative in vitro evaluation of human Dental Pulp and follicle stem cell Commitment. Cell J, 2016, 18(4):609-618.

104- Omidvar N, Ganji F, **Eslaminejad MB**. In vitro osteogenic induction of human marrow-derived mesenchymal stem cells by pcl fibrous scaffolds containing dexamethazone-loaded chitosan microspheres . J Biomed Mater Res Part A. 2016, 104(7): 1657-1667.

105- Khojasteh, A, Fahimipour F, Jafarian J, Sharifi D, Jahangir S, Khayyatan F, **Eslaminejad MB**. Bone engineering in dog mandible: Coculturing mesenchymal stem cells with endothelial progenitor cells in a composite scaffold containing vascular endothelial growth factor. J Biomed Mat Res B: App Biomater , 2017, 105(7): 1767-1777.

106 Ghasemzadeh-Hasankolaei M, Batavani R, **Eslaminejad MB**, Sayahpour F. Transplantation of Autologous Bone Marrow Mesenchymal Stem Cells into the Testes of Infertile Male Rats and New Germ Cell Formation . Inter J Stem Cells, 2016,9(2):250-263.

107- Bakhtiar H, Mirzaei H, Bagheri MR, Fani N, Mashhadiabbas F, Baghaban Eslaminejad M, Sharifi D, Nekoofar MH, Dummer P. Histologic tissue response to furcation perforation repair using mineral trioxide aggregate or dental pulp stem cells loaded onto treated dentin matrix or tricalcium phosphate. Clin Oral Investig. 2017, 21(5):1579-1588.

108-Mousavi SN, Koohdani F, **Eslaminejad MB**, Pantea Izadi P, Eshraghian M, Sayahpour FA, Shafiei Neek L, Shidfar F. Extra virgin olive oil in maternal diet increases osteogenic genes expression, but high amounts have deleterious effects on bones in mice offspring at adolescence. Iran J Basic Med Sci 2016: 19: 1299-1307

109- Mousavi SN , Koohdani F, Shidfar F, **Eslaminejad MB**. Comparison of maternal isocaloric high carbohydrate and high fat diets on osteogenic and adipogenic genes expression in adolescent mice offspring. Mousavi et al. Nutrition & Metabolism (2016) 13:69

110- Gaeini A, **Eslaminejad MB**, Choobineh S, Mousavi N, Satarifard S, Shafieineek L. Effects of exercise prior or during pregnancy in high fat diet fed mice alter bone gene expression of female offspring: An experimental study. Int J Reprod Biomed (Yazd). 2017 ;15(2):93-100.

111-Emadedin M, Labibzadeh N, Fazeli R, Mohseni F, Hosseini SE, Moghadasali R, Mardpour S, Azimian V, Goodarzi A, Ghorbani Liastani M, Mirazimi Bafghi A, **Eslaminejad MB**, Aghdami N. Percutaneous Autologous Bone Marrow-Derived Mesenchymal Stromal Cell Implantation Is Safe for Reconstruction of Human Lower Limb Long Bone Atrophic Nonunion. Cell J, 2017, 19(1): 159-165.

112-Taghiyar L, Hosseini S, Hesaraki M, Sayahpour FA , Aghdami N, **Eslaminejad MB**. We are pleased to inform you that your manuscript entitled "Isolation, Characterization and Osteogenic Potential of Mouse Digit Tip Blastema Cells in Comparison with Bone Marrow-derived Mesenchymal Stem Cells in vitro. Cell J, 2018, 19(4):585-598.

113- Masaeli E, Karamali F, Loghmani S, **Eslaminejad MB**, Nasr-Esfahani MH. Bio-engineered Electrospun Nanofibrous Membranes Using Cartilage Extracellular Matrix Particles. J Mater Chem B, 2017, 5(4):765-776

114-Mousavi SN, Koohdani F, Shidfar F, **Eslaminejad MB**, Izadi P, Eshraghian M, Shafieineek L, Tohidinik H. Effects of Maternal Isocaloric Diet Containing Different Amounts of Soy Oil and Extra Virgin Olive Oil on Weight, Serum Glucose, and Lipid Profile of Female Mice Offspring. Iran J Med Sci. 2017; 42(2):161-169.

115-Shamekhi MA, Rabiee A, Mirzadeh H, Mahdavi H, Mohebbi-Kalhori D, **Eslaminejad MB**.Fabrication and characterization of hydrothermal cross-linked chitosan porous scaffolds for cartilage tissue engineering applications. Materials Science & Engineering C. 2017, 80:532-542.

116-Aghajanpoor M, Hashemi-Najafabadi S, **Eslaminejad MB**, Bagheri F, Mohammad Mousavi S, Azam Sayyahpour F. The effect of increasing the pore size of nanofibrous scaffolds on the osteogenic cell culture using a combination of sacrificial agent electrospinning and ultrasonication. J Biomed Mater Res A. 2017, 105(7):1887-1899.

117-Taghiyar L, Hesaraki M, Sayahpour FA, Satarian L, Hosseini S, Aghdami N, **Eslaminejad MB**. Msh homeobox 1 (Msx1)- and Msx2-overexpressing bone marrow-derived mesenchymal stem cells resemble blastema cells and enhance regeneration in mice. J Biol Chem. 2017, 292(25):10520-10533.

118-Khojasteh A, Fahimipour F, **Eslaminejad MB**, Jafarian M, Jahangir S, Bastami F, Tahriri M, Karkhaneh A, Tayebi L. Development of PLGA-coated β-TCP scaffolds containing VEGF for bone tissue engineering. Mater Sci Eng C Mater Biol Appl. 2016 69:780-788

119-Zarkesh I, Ghanian MH, Azami M, Bagheri F, Baharvand H, Mohammadi J, **Eslaminejad MB**. Facile synthesis of biphasic calcium phosphate microspheres with engineered surface topography for controlled delivery of drugs and proteins. Colloids Surf B Biointerfaces. 2017, 157:223-232.

120- Shirzad N, Bordbar S, Goodarzi A, Mohammad M, Khosravani P, Sayahpour F, **Baghaban Eslaminejad M**, Ebrahimi M. Umbilical Cord Blood Platelet Lysate as Serum Substitute in Expansion of Human Mesenchymal Stem Cells. Cell J. 2017,19(3):403-414.

121-Oryan A., Kamali A., Moshiri A., **Eslaminejad MB**. Role of mesenchymal stem cells in bone regenerative medicine: what is the evidence?. Cell Tissue Org. 2017, 204(2):59-83

122- Jahanmard-Hosseinabadi F, Amani-Tehran M, **Eslaminejad MB**. Mathematical Modeling and Experimental Evaluation for the predication of single nanofiber modulus. J Mech Behav Biomed Mater. 2018; 79: 38-45.

123- Oryan A, **Eslaminejad MB**, Kamali A, Hosseini S, Sayahpour FA, Baharvand H. Synergistic effect of strontium, bioactive glass and nano-hydroxyapatite promotes bone regeneration of critical-sized radial bone defects.J Biomed Mater Res B Appl Biomater. 2018. In press.

124-Nasrabadi D, Rezaeiani S, Sayadmanesh, **Eslaminejad MB**, Shabani A, Inclusion Body Expression and Refolding of Recombinant Bone Morphogenetic Protein-2
Avicenna Journal of Medical Biotechnology. 2018, In press

125-Nasrabadi D, Rezaeiani S, Sayadmanesh, Gharaati M, **Eslaminejad MB**, Shabani A.Evaluation of a New Method for Biological Activity Analysis of Recombinant Human Parathyroid Hormone-Related Protein.Middle Esat J Rehabil Health Stud. 2018 in press

126-Abbasi F, Ghanian MH, Baharvand H, Vahidi B, **Eslaminejad MB**. Engineering mesenchymal stem cell spheroids by incorporation of mechanoregulator microparticles. J Mech Behav Biomed Mater. 2018 May 3;84:74-87.

127-Nasrabadi D, Rezaeiani S, **Eslaminejad MB**, Shabani A. Improved Protocol for Chondrogenic Differentiation of Bone Marrow Derived Mesenchymal Stem Cells -Effect of PTHrP and FGF-2 on TGFβ1/BMP2-Induced Chondrocytes Hypertrophy. Stem Cell Rev. 2018 in press.

128-Oryan A, **Baghaban Eslaminejad M**, Kamali A, Hosseini S, Moshiri A, Baharvand H. Mesenchymal stem cells seeded onto tissue-engineered osteoinductive scaffolds enhance the healing process of critical-sized radial bone defects in rat.Cell Tissue Res. 2018 in press.

129-Hosseini S, Naderi-Manesh H, Vali H, **Baghaban Eslaminejad M**, Azam Sayahpour F, Sheibani S, Faghihi S. Contribution of osteocalcin-mimetic peptide enhances osteogenic activity and extracellular matrix mineralization of human osteoblast-like cells. Colloids Surf B Biointerfaces. In press 2018.

130-Adibfar A, Amoabediny G, **Baghaban Eslaminejad M**, Mohamadi J, Bagheri F, Zandieh Doulabi B. VEGF delivery by smart polymeric PNIPAM nanoparticles affects both osteogenic and angiogenic capacities of human bone marrow stem cells. Mater Sci Eng C Mater Biol Appl. 2018 Dec 1;93:790-799.

131-Fekrazad R, Asefi S, **Eslaminejad MB**, Taghiar L, Bordbar S, Hamblin MR. Photobiomodulation with single and combination laser wavelengths on bone marrow mesenchymal stem cells: proliferation and differentiation to bone or cartilage. Lasers Med Sci. in press 2018

132-Hashemzadeh MR, **Eslaminejad MB**, Salman Yazdi R, Aflatoonian R. Evaluation of toll-like receptor 4 expression in human bone marrow mesenchymal stem cells by lipopolysaccharides from Shigella. Biologicals. 2018 Sep;55:53-58.

133-Taghiyar L, Hosseini S, Safari F, Bagheri F, Fani N, Stoddart MJ, Alini M, **Eslaminejad MB**. New insight into functional limb regeneration: A to Z approaches. J Tissue Eng Regen Med. 2018 Sep;12(9):1925-1943.

134- Jahangir S, Hosseini S, Mostafaei F, Sayahpour FA, **Baghaban Eslaminejad M**. 3D-porous β-tricalcium phosphate-alginate-gelatin scaffold with DMOG delivery promotes angiogenesis and bone formation in rat calvarial defects. J Mater Sci Mater Med. 2018 18;30(1):1.

135- Nasiri N, Hosseini S, Alini M, Khademhosseini A, **Baghaban Eslaminejad M**. Targeted cell delivery for articular cartilage regeneration and osteoarthritis treatment. Drug Discov Today. 2019, pii: S1359-6446(19)30309-5.

136-Kamali A, Oryan A, Hosseini S, Ghanian MH, Alizadeh M, **Baghaban Eslaminejad M,** Baharvand H. Cannabidiol-loaded microspheres incorporated into osteoconductive scaffold enhance mesenchymal stem cell recruitment and regeneration of critical-sized bone defects. Mater Sci Eng C Mater Biol Appl. 2019;101:64-75.

137-Safari F, Fani N, Eglin D, Alini M, Stoddart MJ, **Baghaban Eslaminejad M**. Human umbilical cord-derived scaffolds for cartilage tissue engineering. J Biomed Mater Res A. 2019 ;107(8):1793-1802.

138-Khalilifar MA, **Baghaban Eslaminejad MR**, Ghasemzadeh M, Hosseini S, Baharvand H. In Vitro and In Vivo Comparison of Different Types of Rabbit Mesenchymal Stem Cells for Cartilage Repair. Cell J. 2019 ;21(2):150-160.

139-Rahmani A, Hashemi-Najafabadi S, **Eslaminejad MB**, Bagheri F, Sayahpour FA. The effect of modified electrospun PCL-nHA-nZnO scaffolds on osteogenesis and angiogenesis. J Biomed Mater Res A. 2019;107(9):2040-2052.

140-Safavi AS, Rouhi G, Haghighipour N, Bagheri F, **Eslaminejad MB**, Sayahpour FA. Efficacy of mechanical vibration in regulating mesenchymal stem cells gene expression. In Vitro Cell Dev Biol Anim. 2019;55(5):387-394

141-Fani N, Farokhi M, Azami, M. Kamali A, Bakhshaiesh NL, Ebrahimi-Barough S, Ai J, **Eslaminejad MB.**Endothelial and Osteoblast Differentiation of Adipose-Derived Mesenchymal Stem Cells Using a Cobalt-Doped CaP/Silk Fibroin Scaffold. ACS Biomat Sci Engin. 2019; 5(5): 2134-2146

142-Ghasemzadeh-Hasankolaei M, Sayahpour FA, Ghasemzadeh-Hasankolaei M, Ghorbanian MT, **Eslaminejad MB.** Organic and inorganic zinc show similar regulatory effects on the expression of some germ cell specific markers induced in bone marrow mesenchymal stem cells after treatment with retinoic acid. 2019, Biologia In press

143-Jahanmard F, **Eslaminejad MB**, Amani-Tehran M, Zarei F, Rezaei N, Croes M, Amin Yavari S. Incorporation of F-MWCNTs into electrospun nanofibers regulates osteogenesis through stiffness and nanotopography. Mat Sci Engin: C, 2019 in press

144-Fani N, Hajinasrollah N, Asghari Vostikolaee MH, **Eslaminejad MB**, Mashhadiabbas F, Tongas N, Rasoulianboroujeni M, Yadegari A, Ede K, Tahriri M, Tayebi L. Influence of Conductive PEDOT:PSS in a Hard Tissue Scaffold: In Vitro and In Vivo Study. Journal of Bioactive and Compatible Polymers. 2019 in press

145-Nouri-Felekori, M., Khakbiz, M., Nezafati, N., Mohammadi, J., **Eslaminejad, M.B.** Comparative analysis and properties evaluation of gelatin microspheres crosslinked with glutaraldehyde and 3-glycidoxypropyltrimethoxysilane as drug delivery systems for the antibiotic vancomycin; International Journal of Pharmaceutics, 2019, 557, pp. 208–220

146-Shamekhi, M.A., Mirzadeh, H., Mahdavi, H..Mohebbi-Kalhori, D., **Baghaban Eslaminejad, M.** Graphene oxide containing chitosan scaffolds for cartilage tissue engineering; International Journal of Biological Macromolecules, 2019, 127, pp. 396–405

147-Fani, N., Hajinasrollah, M., Asghari Vostikolaee, M.H. **Eslaminejad MB**, Mashhadiabbas F, Tongas N, Rasoulianboroujeni M, Yadegari A, Ede KF, Tahriri, M., Tayebi, L. Influence of conductive PEDOT:PSS in a hard tissue scaffold: In vitro and in vivo study; Journal of Bioactive and Compatible Polymers, 2019, 34(6), pp. 436–441

148- Zarkesh I, Halvaei M, Ghanian MH, Bagheri F, Sayahpour FA, Azami M, Mohammadi J, Baharvand H, **Baghaban Eslaminejad M.** Scalable and cost-effective generation of osteogenic micro-tissues through the incorporation of inorganic microparticles within mesenchymal stem cell spheroids; Biofabrication, 2020, 12(1), 015021

149-Mohsenimehr, S., Khani, M.R., Fani, N., **Eslaminejad MB**, Shokri, B., Ghassami, A. Surface modification of PLA scaffold using radio frequency (RF) nitrogen plasma in tissue engineering application; Surface Topography: Metrology and Properties, 2020, 8(1), 015012

150- Fahimipour F, Bastami F, Khoshzaban A, Jahangir S, **Eslaminejad MB**, Khayyatan F, Safiaghdam H, Sadooghi Y, Safa M, Jafarzadeh Kashi TS, Dashtimoghadam E, Tayebi L. Critical-sized bone defects regeneration using a bone-inspired 3D bilayer collagen membrane in combination with leukocyte and platelet-rich fibrin membrane (L-PRF): An in vivo study; Tissue and Cell, 2020, 63, 101326

151- Bordbar S, Lotfi Bakhshaiesh N, Khanmohammadi M, Sayahpour FA, Alini M, **Baghaban Eslaminejad M.** Production and evaluation of decellularized extracellular matrix hydrogel for cartilage regeneration derived from knee cartilage; Journal of Biomedical Materials Research - Part A, 2020, 108(4), pp. 938–946

152-Asgari, N., Bagheri, F., **Eslaminejad, M.B.**, ...Sayahpour, F.A., Ghafari, A.M. Dual functional construct containing kartogenin releasing microtissues and curcumin for cartilage regeneration; Stem Cell Research and Therapy, 2020, 11(1), 289

153-Nouri-Felekori, M., Khakbiz, M., Nezafati, N.Mohammadi J,**Eslaminejad, M.B.**, Fani, N. Characterization and multiscale modeling of novel calcium phosphate composites containing hydroxyapatite whiskers and gelatin microspheres; Journal of Alloys and Compounds, 2020, 832, 154938

154-Dehghan-Niri, M., Vasheghani-Farahani, E., **Baghaban Eslaminejad, M.**, Tavakol, M., Bagheri, F. Physicomechanical, rheological and in vitro cytocompatibility properties of the electron beam irradiated blend hydrogels of tyramine conjugated gum tragacanth and poly (vinyl alcohol); Materials Science and Engineering C, 2020, 114, 111073

155- Jahangir S, Eglin D, Pötter N, Khozaei Ravari M, Stoddart MJ, Samadikuchaksaraei A, Alini M, **Baghaban Eslaminejad M**, Safa M. Inhibition of hypertrophy and improving chondrocyte differentiation by MMP-13 inhibitor small molecule encapsulated in alginate-chondroitin sulfate-platelet lysate hydrogel; Stem Cell Research and Therapy, 2020, 11(1), 436

156- Navard SH, Rezvan H, Haddad MHF, Ali SA, Nourian A, Eslaminejad MB, Behmanesh MA. Therapeutic effects of mesenchymal stem cells on cutaneous leishmaniasis lesions caused by Leishmania major; Journal of Global Antimicrobial Resistance, 2020, 23, pp. 243–250

157-Khodabandehloo F, Taleahmad S, Aflatoonian R, Rajaei F, Zandieh Z, Nassiri-Asl M, **Eslaminejad MB**. Microarray analysis identification of key pathways and interaction network of differential gene expressions during osteogenic differentiation; Human Genomics, 2020, 14(1), 43

158-Ghorbaninejad, M., Khademi-Shirvan, M., Hosseini, S., **Baghaban Eslaminejad, M.** Epidrugs: novel epigenetic regulators that open a new window for targeting osteoblast differentiation; Stem Cell Research and Therapy, 2020, 11(1), 456

159-Esmaeili, A., Hosseini, S., **Baghaban Eslaminejad, M.** Engineered-extracellular vesicles as an optimistic tool for microRNA delivery for osteoarthritis treatment; Cellular and Molecular Life Sciences, 2021, 78(1), pp. 79–91

160-Khozaei Ravari M, Mashayekhan S, Zarei F, Sayahpour FA, Taghiyar L, **Baghaban Eslaminejad M**. Fabrication and characterization of an injectable reinforced composite scaffold for cartilage tissue engineering: Anin vitrostudy; Biomed Mater. 2021 in press

161-Seddighian A, Ganji F, **Baghaban-Eslaminejad M**, Bagheri F. Electrospun PCL scaffold modified with chitosan nanoparticles for enhanced bone regeneration. Prog Biomater. 2021 in press

162-P Baei, H Daemi, F Mostafaei, FA Sayahpour, H Baharvand, **Eslaminejad MB**. A Tough Polysaccharide-based Cell-Laden Double-Network Hydrogel Promotes Articular Cartilage Tissue Regeneration in Rabbits; Chemical Engineering Journal, 2021 in press

163- F Bijarchian, L Taghiyar, Z Azhradi, **MB Eslaminejad**. M2c Macrophages enhance phalange regeneration of amputated mice digits in an organ co-culture system, Iranian Journal of Basic Medical Sciences, 2021

164-Khodabandeloo F, Nasiri M, **Eslaminejad MB**, Aflatonian R, Zand. Functional differences of Toll-like receptor 4 in osteogenesis, adipogenesis, and chondrogenesis in human bone marrow-derived mesenchymal stem cells; Journal of Cellular and Molecular Medicine; 2021, in press

165-Esmaeili A, Alini M, **Baghaban Eslaminejad M**, Hosseini S. Engineering strategies for customizing extracellular vesicle uptake in a therapeutic context. Stem Cell Res Ther. 2022 Mar 28;13(1):129.

166- Hosseinzadeh M, Kamali A, Hosseini S, **Baghaban Eslaminejad M**. Biomed Res Int. Higher Chondrogenic Potential of Extracellular Vesicles Derived from Mesenchymal Stem Cells Compared to Chondrocytes-EVs In Vitro. 2021 13;2021:9011548

167- Haghwerdi F, Khozaei Ravari M, Taghiyar L, Shamekhi MA, Jahangir S, Haririan I, **Baghaban Eslaminejad M**. Application of bone and cartilage extracellular matrices in articular cartilage regeneration. Biomed Mater. 2021 Jun 28;16(4).

169- Mahshid Shokri, Mahshid Kharaziha, Hossein Ahmadi Tafti, **Mohamadreza Baghaban Eslaminejad**, Rouhollah Mehdinavaz Aghdam. Synergic role of zinc and gallium doping in hydroxyapatite nanoparticles to improve osteogenesis and antibacterial activity. Materials Science and Engineering: C, In press 2022

170- Esmaeili A, Alini M, **Baghaban Eslaminejad M**, Hosseini S. Stem Cell Res Ther. Engineering strategies for customizing extracellular vesicle uptake in a therapeutic context. 2022 Mar 28;13(1):129.

171- Shokri M, Dalili F, Kharaziha M, **Baghaban Eslaminejad M**, Ahmadi Tafti H. Strong and bioactive bioinspired biomaterials, next generation of bone adhesives. Adv Colloid Interface Sci. 2022 May

172- Tayebi B, Babaahmadi M, Pakzad M, Hajinasrollah M, Mostafaei F, Jahangiri S, Kamali A, Baharvand H, **Baghaban Eslaminejad M**, Hassani SN, Hajizadeh-Saffar E. Standard toxicity study of clinical-grade allogeneic human bone marrow-derived clonal mesenchymal stromal cells. Stem Cell Res Ther. 2022 May 26;13(1):213

173- H Fallahi, H Daemi, F Bagheri, MB Eslaminejad. A supramolecular injectable hydrogel based on β-cyclodextrin-grafted alginate and pluronic-amine loaded with kartogenin for chondrogenic differentiation of mesenchymal stem cells. Biomedical Materials 17 (6), 065002

174- NA Moghadam, F Bagheri, MB Eslaminejad. Chondroitin sulfate modified chitosan nanoparticles as an efficient and targeted gene delivery vehicle to chondrocytes Colloids and Surfaces B: Biointerfaces 219, 112786

175- S Moghadam Deymeh, S Hashemi-Najafabadi, M Baghaban-Eslaminejad, Bagheri F. Use of Gelatin as a Sacrificial Agent in Combination with Ultrasonication to Improve Cell infiltration and Osteogenesis of Nanofibrous PCL-nHA Scaffolds for Bone Tissue Engineering Iranian Journal of Biotechnology 20 (4), 1-12

176- Ghorbaninejad M, Khademi-Shirvan M, Hosseini S, Meyfour A, Shahhoseini M, Baghaban Eslaminejad M. Effective role of Curcumin on expression regulation of EZH2 histone methyltransferase as a dynamic epigenetic factor in osteogenic differentiation of human mesenchymal stem cells. Biochim Biophys Acta Gene Regul Mech. 2023, In Press.

177- Esmaeili A, Hosseini S, Kamali A, Hosseinzadeh M, Shekari F, Baghaban Eslaminejad M. Co-aggregation of MSC/chondrocyte in a dynamic 3D culture elevates the therapeutic effect of secreted extracellular vesicles on osteoarthritis in a rat model. Sci Rep. 2022: 18;12(1).

178- Dehghan-Niri M, Vasheghani-Farahani E, Eslaminejad MB, Tavakol M, Bagheri F. Preparation of gum tragacanth/poly (vinyl alcohol)/halloysite hydrogel using electron beam irradiation with potential for bone tissue engineering. Carbohydr Polym. 2023 1;305:120548.

179- Ghahri T, Salehi Z, Aghajanpour S, Eslaminejad MB, Kalantari N, Akrami M, Dinarvand R, Jang HL, Esfandyari-Manesh M. Development of osteon-like scaffold-cell construct by quadruple coaxial extrusion-based 3D bioprinting of nanocomposite hydrogel. Biomater Adv. 2023;145:213254.

180- P Baei, H Daemi, F Aramesh, H Baharvand, MB Eslaminejad. Advances in mechanically robust and biomimetic polysaccharide-based constructs for cartilage tissue engineering. Carbohydrate Polymers, 2023, In Press.

181- F Ghafari, S Karbasi, MB Eslaminejad. Investigating of physical, mechanical, and biological properties of polyhydroxybutyrate-keratin/alumina electrospun scaffold utilized in bone tissue engineering. Materials Chemistry and Physics, 2023, In Press.

182- Ghorbaninejad M, Khademi-Shirvan M, Hosseini S, Meyfour A, Shahhoseini M, Baghaban Eslaminejad M. Effective role of Curcumin on expression regulation of EZH2 histone methyltransferase as a dynamic epigenetic factor in osteogenic differentiation of human mesenchymal stem cells. Biochim Biophys Acta Gene Regul Mech. 2023 1866(1):194903.

183-Taghiyar L, Asadi H, Baghaban Eslaminejad M. A bioscaffold of decellularized whole osteochondral sheet improves proliferation and differentiation of loaded mesenchymal stem cells in a rabbit model. Cell Tissue Bank. 2023 in press

184-Dehghan-Niri M, Vasheghani-Farahani E, Eslaminejad MB, Tavakol M, Bagheri F. Preparation of gum tragacanth/poly (vinyl alcohol)/halloysite hydrogel using electron beam irradiation with potential for bone tissue engineering. Carbohydr Polym. 2023 1;305:120548.

185-Moghaddam SV, Abedi F, Lotfi H, Salehi R, Barzegar A, Eslaminejad MB, Khalili M, An efficient method for cell sheet bioengineering from rBMSCs on thermo-responsive PCL-PEG-PCL copolymer. Alizadeh E. J Biol Eng. 2023 6;17(1):27.

186-Tayebi B, Molazem M, Babaahmadi M, Ebrahimi E, Hajinasrollah M, Mostafaei F, Makvand Gholipour N, Baharvand H, Baghaban Eslaminejad MR, Hassani SN, Hajizadeh-Saffar E. Comparison of Ultrasound-Guided Percutaneous and Open Surgery Approaches in The Animal Model of Tumor Necrosis Factor-Alpha-Induced Disc Degeneration. Cell J. 2023 28;25(5):338-346.

187-Deymeh SM, Hashemi-Najafabadi S, Baghaban-Eslaminejad M, Bagheri F. Investigation of osteogenesis and angiogenesis in perfusion bioreactors using improved multi-layer PCL-nHA-nZnO electrospun scaffolds. Biotechnol Lett. 2023;45(9):1223-1243.

188-Hosseinzadeh M, Kamali A, Baghaban Eslaminejad M, Hosseini S.Higher ratios of chondrocyte to mesenchymal stem cells elevate the therapeutic effects of extracellular vesicles harvested from chondrocyte/mesenchymal stem cell co-culture on osteoarthritis in a rat model. Cell Tissue Res. 2023 in press

B) National

1- **Eslaminejad, MB,** Rezazadeh M, Kazemi S. The ultrastructure of human uterine epithelial cells cultivated on matrigel. Yakhteh Med J. 2004, 5:145-152

2- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP.The ultrastracture of the polarized and non-polarized human fallopian tubal cells. J Anat Sci, 2004; 4, 41-51

3- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP.The effect of polarized human uterine cell on mouse embryo development.Yakhteh Med J .1383;25:11-18.

4-**Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP.Effect of polarized culture system prepared from human genital tract on murine embryo development. J Anat Sc, 2005; 2, 83-92

5-**Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP.the effect of polarized and non-polarized monolayer prepared from human oviductal cells on murine two-cell embryo in vitro development. J Mazandaran Med Sc, 2006; 51, 6-17

6-**Eslaminejad, MB**, Nikmahzar A, Thagiyar L,Nadri S. Isolation and in vitro Proliferation of Mesenchymal stem cells from NMRI Mouse Bone Marrow. Kosar Med J, 2006; 1, 29-39

7- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP. Uultrastracture of human uterine and oviductal epithelial cells cultivated under the same culture condition. J Gillan Med Sci, 2007; 60: 7-16.

8- **Eslaminejad MB**, Taghiyar L, garezi A. Study of Chondrogenic Potential of Fibroblastic Cells isolated from NMRI Mice. J Iranian Anat Sci. 2006, 4: 119-130

9- **Eslaminejad MB**, Nadri S, Hajiihosseini R.Study of some surface markers (antigens) in different passages of mesenchymal stem cells from two different mice strains.Yakhteh Med J, 2006;2 ,p:114-123.

10- Fathi F, **Eslaminejad MB**, Khadem Erfan MB, Asahara T.Cellular and molecular evaluation of endothelial progenitor cells after selective isolation from peripheral blood and comparison of their transplantation by lipofection and electroporation. Blood(Persian),2006,3:121-132.

11-Fathi F, **Eslaminejad MB**, Ahsan B, Alasvand M, Rezaei Mj, Pirmoradi L, Asahara T. Oxytocin efficiency in differentiation of P19c16 stem cells into cardiomyocyte. Blood (Persian), 2007, 4:281-290.

12- **Eslaminejad** MB, Valojerdi MR, Eftekhari P. Study of the special arrangement of cartilage canal in chick chondroepiphysis Kosar Med J, 2007, 3: 225-233.

13- **Eslaminejad** MB, Taghiyar L. Study of chondrogenic effects of chondrocytes Cocultured with murine bone marrow-derived mesenchymal stem cells. Iranian Anat Sci, 2006; 2: 215-224.

14-**Eslaminejad MB**, Nikmahzar A, Taghiyar L, Dehghan MM, Kazemi Hossein, Farokhi A. Osteogenic, chondrogenic and adipogenic potential of canine marrow-derived mesenchymal stem cells. Yakhteh Med J, 2007;1:31-38

15-**Eslaminejad MB**, Taghiyar L, Kiani S, Piriai A. Subcutaneous transplantation of marrow-derived murine mesenchymal stem cells cultivated in alginate and study of their chondrogenesis. Blood (Persian), 2: 105-114, 2007

16- **Eslaminejad MB**, Rouhi L, Arabnajafi SM, Baharvand H. Culture and expansion of rat mesenchymal stem cells using the serum prepared from rat's peripheral blood. Iranian AnatSci, 2006; 17: 331-344.

17- **Eslaminejad MB**, Taghiyar L. Chondrogenesis in three-dimensional culture of bone marrow derived murine mesenchymal stem cells within an alginate gel. Kosar Med J, 2007; 2: 97-106.

18- **Eslaminejad MB**, Taghiyar L, Piriai A. Study of the structure of cartilage tissue produced from murine MSCs Differentiation in comparison with hyaline costal cartilage. Med J Mazandaran , 2007; 59: 24-34.

19- **Eslaminejad MB**, Taghiyar L, Piriai A. Study of the bone structure differentiated from canine mesenchymal stem cells. Med J kordestan Univer, 2007; 3: 8-22.

20- **Eslaminejad MB.** Mesenchymal stem cells: History, isolation and biology. Iranian J Anat Sci, 2007; 61-73.

21- **Eslaminejad MB**, Nazarian H. Isolation, expansion and differentiation of rabbit bone marrow-derived mesenchymal stem cells into bone, cartilage and adipose cell lineages. Feyz, 2008; 4: 7-13.

22- **Eslaminejad MB**, Nadri S. Murine mesenchymal stem cell isolation: impact of cell-seeding density on morphology, differentiation and profile of surface antigens. Kosar Med J, 2008; 1: 37-49.

23- **Eslaminejad MB**, Rouhi L, Arabnajafi M, Baharvand H. Rat mesenchymal stem cell culture: using peripheral blood-derived plasma as the culture medium supplement. Khoon, 2008, 5: 25-37.

24- **Eslaminejad MB**, Nazarian H, Taghiyar L. Supernatant from Rat's bone marrow primary culture contains MSCs with high growth rate. Babol Medi J, 2008, 2: 12-22.

25- Kermani SH, Karbalaei KH, Madani SH, Jahangirnejad AA, **Eslaminejad MB,** Nasr-esfahani MH, Baharvand H.Marrow-derived mesenchymal stem cells as suitable model for environmental pollution. J Arak Uni Med Sci 2009; 3: 117-125.

26- **Eslaminejad MB,** Talkhabi M, Zeinli B, Eftekhari-Yazdi P**.** Study of effects of lithium chloride on in vitro proliferation rate of marrow-derived rat mesenchymal stem cells. J Iranian Ana Sci, 2008, 23: 363-373.

27- **Eslaminejad MB**, Taghiyar L, Falahi F, Ajdari Tafti Z. Study of differentiation potential of the dedifferentiated chondrocytes from rat articular cartilage into skeletal cell lineages. Iran J Anat Sci, 2009, in press

28- Hamrahi D, Shiran MB, **Eslaminejad MB**, Gourabi H, Rouhi L. the effect of low intensity ultrasound on osteogenic differentiation of rat marrow derived mesenchymal stem cells in culture. Med Laser 2008; 2:6-11

29- **Eslaminejad MB**, Salami F, Soleimani Mehranjani M, Abnoosi MH. BIO treatment enhances rat marrow-derived mesenchymal stem cell in vitro proliferation and viability. Physiol Parmacol, 2009; 13(1): 57-67.

30- **Eslaminejad MB,** Talkhabi M, Zeinli B, Eftekhari-Yazdi P. Protective role of Lithium Chloride against induced apoptosis at the culture of rat marrow derived mesenchymal stem cell. Kowsar Med J, 2009, 13: 259-266.

31- **Eslaminejad MB**, Salami F, Soleimani Mehranjani M, Abnoosi MH. Study of BIO (6-bromoindirubin-3´-oxim) effect on growth and bone differentiation of rat marrow-derived mesenchymal stem cells. J Hamedan Med Uni. 4: 5-13, 2009.

32- Mirakhori F, Parvaneh Tafreshi A, Shirmohamadian A, **Eslaminejad MB**, Hossein G , Zeynali B. Mechanism of Lithium Actions on Follicular Development of Rat Ovary. Yakhteh Med J.2010; 2:267-274.

33-Piltan A, Totonchi M, Rezazadeh M, Gourabi H, Karimian L, **Eslaminejad MB**, Eftekhari-yazdi P. Quantitative expression of BAG1, BAX and BCL-2 genes in human embryos with different fragmentation grades derived from ART. Yakhteh Med J. 2010; 2: 257-266.

34- **Eslaminejad MB**, Taghiyar L, Falahi F. Study of cartilage gene expression in rat articular chondrocyte monolayer and 3D culture using real time PCR. In press, Iranian J Anat Sci, 2010.

35- Khoshchehreh R, Ebrahimi M, **Eslaminejad MB**, Aghdami N, Baharvand H. In vitro differentiation of umbilical vein and bone marrow derived mesenchymal stem cells into insulin producing cells. Iran J Endocri Metabol. In press, 2011.

36-Hamrahi D, Shiran MB, **Eslaminejad MB**, Gourabi H, Rouhi L. low intensity ultrasound ,Proliferation and growth indeces of adult stem cells. Med Laser 2011; 1:29-34.

37- Salemi H, Behnamghader A, **Eslaminejad MB**, Ataei M.Effect of collagen on synthesis of calcium phosphate nanoparticles. Journal of Biomedical Medicine, 2014, in press

38- Izadi M, Jazayeri A, **Eslaminejad MB**, Jahangir S, Khodayari S, Khodayari H, Abbaspour A, Hashemi taheri A, Imani fooladi A, Joneidi N, Alizadeh A. A novel model of inducing chronic osteomyelitis in rabbits. J Mil Med, 2013, 15(3): 215-218

39- Zareh MA, **Eslaminejad MB**, Hosseini A. Isolation of msenchymal stem cells from human umbilical vein and their differentiation into cartilage and bone. Journal of southern medicine, 2012.

40- Tayebi M, Pourgholami Nejad A, **Eslaminejad MB,** Sotodehnejad F. Mesenchymal stem cells and their application in autoimmune disease treatment: review article. Tehran University Medical Journal, September 2014; Vol. 72, No. 6: 341-351

41- Hashemzadeh MR, Saadati M, **Eslaminejad MB**, Aflatoonian R, Zarea M. Effects of Lipopolysaccharides from Shigella Strains on Innate Immunity Stimulation in vitro. Arak Medical University Journal (AMUJ), 2015; 18(96): 93-103

42- Gaeini A, Shafiei Neek L, Choobineh S, **Eslaminejad MB**, Satarifard S, Mousavi SN. The Effects of the Preconception Endurance Exercise Training and Voluntary Exercise Activity during Pregnancy in C57BL/6 Mice on Lipid Profile of the Adult Offsprings. Arak Med Uni J. 2016; 19(107): 68-79

43- A. Adibfar , Gh. Amoabediny , **M.R. Baghaban Eslaminejad** , Fatemeh. Bagheri , B. Zandieh Doulabi , J. Mohamadi. Preparation and Characterization of Smart Poly (N-Isopropylacrylamide) Nanoparticles Containing Vascular Endothelial Growth Factor for Induction of Angiogenesis in Human Bone Marrow-derived Mesenchymal Stem Cells. Pathobiology Research. 2018;21(2):65-72

Conference Papers
A) International

1- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Mouse embryo development on columnar polarized epithelial cells of human oviduct compared with conventional non-polarized helper cells. Abstract, Poster, TWIN-Meeting Alpha-Anthology 2003 Belgium

2- **Eslaminejad, MB**, Rezazadeh M, Kazemi S, Taki Al-Tarihi. Co-culture of mouse embryo with polarized columnar epithelial cells of human uterus. Abstract,Oral, Middle east fertility society congress(MEFS) 2003 Lebanon

3- **EslamiNejad, MB**, Nihmahzar A , Nadri S Taghiyar L. Mesenchymal stem cells isolated from NMRI mouse by novel method. Abstract,Poster, International symposium on stem cells. 2005 Mumbai India.

4- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP.Comparison of two polarized culture system prepared from female genital tract on murine one and two cell embryo.Abstract,Poster, Middle east fertility society congress(MEFS), November 2005 Egypt.

5- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Eftekhari YP. Polarizing of human uterine and fallopian tubal epithelial cells on extra cellular matrix. Abstract, Poster, Middle east fertility society congress (MEFS), November 2005 Egipt.

6- **Eslaminejad, MB**, Nikmahzar, A. Piriaii. Stractural differentiation of human mesenchymal stem cells in a micro mass culture system. Abstract, Poster, The 14th international conferences of the international society of Differentiation: order and disorder in differentiation and cancer. October 2006 Innsbruck, Austria.

7- **Eslaminejad MB.** Polarized culture systems and their effects on embryo development. The 7th Royan international twin congress, Sep 2006.

8- **Eslaminejad MB**, Nikmahzar A, Thagiyar L,Nadri S, Massumi M. Murine Mesenchymal Stem Cells Isolated by Low Density Primary Culture System keep differentiation potential up to passage 10. Cell Research, Abstract, 2006, 16: S36-S37

9- **Eslaminejad MB,** Nadri S,Hosseini RH. Surface Antigens of Murine Mesenchymal Stem Cells. Cell Research, Abstract, 2006, 16: S55

10-**Eslaminejad MB**, Nichmahzar A, Dehghan MH, kazem, H, Khojasteh A. Collagen fibers are organized as perpendicular bundles among the bone cells being differentiated from canine MSCs. Poster presentation, ISSCR annual metting June 2007 Australia.

11- **Eslaminejad MB**, Taghiyar L. Cartilage differentiation of murine mesenchymal stem cells in a kind of micro mass co-culture system with a clinical importance. Poster presentation, ISSCR annual metting June 2007 Australia.

12- **Eslaminejad MB**, Nadri S, Hajrezaii, H. Expression of Thy 1.2 surface antigen increases significantly during the murine MSCs cultivation period. Poster presentation, ISSCR annual metting June 2007 Australia.

13-Rouhi L, **Eslaminejad MB**, baharvand H, Hamrahi A.Enhancment of rat mesenchymal stem cells viability and proliferation indexes when cultured in rat serum. Poster presentation, ISSCR annual metting June 2007 Australia.

14- Rouhi L, **Eslaminejad MB**, baharvand H, Hamrahi A.The serum prepared from the rat peripheral blood significantly improves the viability and proliferation indexes of the rat mesenchymal stem cells in vitro. Iranian Journal of Reproductive Medicine, Vol5, Sup.1, Spring 2007

15- Taghiyar L, **Eslaminejad MB**, Piryaei A. Mature chondrocyte promotes cartilage differentiation of MSCs in co=culture systems. Abstract, Royan international twin congress, 5-7 Sep 2007.

16- Taghiyar L, **Eslaminejad MB**, Piryaei A. The structure of cartilage generated by mMSCs in vitro somewhat differs from that of in vivo cartilage. Abstract, Royan international twin congress, 5-7 Sep 2007.

17- Rouhi L, **Eslaminejad MB**, Arab najafi SM, Baharvand H, Hamrahi D. Autologuse serum could significantly improves the viability and proliferation index of rat mesenchymal stem cells. Abstract, Royan international twin congress, 5-7 Sep 2007.

18- Dehghan MM, **Eslaminejad MB**, Motallebizadeh N, Ashrafi Halan J, Soroori S, Kazemi Mehjerdi H, Ezadi. Transplantation of undifferentiated mesenchymal stem cell in distraction osteogenesis in a canine model: A histological and histomorphometrical study. Abstract, Royan international twin congress, 5-7 Sep 2007.

19- Motallibizadeh N, **Eslaminejad MB**, Dehghan, M. Autologuse undifferentiated mesenchymal stem cell transplantation: Acceleration of distraction osteogenesis. Oral, World congress on external fixation, October 2007 Egipt.

20- **Eslaminejad MB**, Mirzadeh H, Nickmahzar A, Mohamadi Y. Collagen I gel in the seeding medium improves murine MSCs loading into the scaffold, increase their subsequent proliferation therein and enhances the culture mineralization. Poster presentation, ISSCR annual metting June 11-13, 2008, Philadelphia, USA.

21- **Eslaminejad MB**, Motallebizadeh N, Dehghan M, Taghyar L, Ashrafhalan J, Shahverdi A. Experimental Lengthening of the tibia: radiographical and histomorphometrical analysis

of distraction osteogenesis following autologous mesenchymal stem cell transplantation. Poster presentation, ISSCR annual metting June 11-13, 2008, Philadelphia, USA.

22- Salami F, **Eslaminejad MB**, Soleimani-mehrnejati M, Abnousi M. BIO increases rat marrow derived mesenchymal stem cells (rMSCs) in vitro expansion and inhibits their experimentally induced appoptosis. Poster presentation, ISSCR annual metting June 11-13, 2008, Philadelphia, USA.

23- Alipur H, Rastegarnia A, Yazdi PE, **Eslaminejad MB**. Effect of LH-treated oviductal epithelial cell co-culture system on mouse pre-embryo development. Alpha 2008 Seventh Biennial Conference (2-4 May 2008) (RBM online, Volume 16, suppl. 4, 2008)

24- Shiran MB, Gourabi H, Hamrahi D, Baghban **Eslaminejad M.** Osteogenic differentiation induction by low intensity ultrastracture in rat marrow derived mesenchymal stem cells.The Asian-pacific International Congress of anatomists 8th Iranian congress of anatomical sciences 16-19 May 2008, Tehran, Iran.

25- Talkhabi M, **Eslaminejad MB**, Zeynali B, Eftekhari P. The effects of Lithium on differentiation of rat bone marrow mesenchymal stem cells. Proceedings of the 15th National & Third International Conference of Biology , 19-21 Aug 2008; University of Tehran.

26- Talkhabi M, **Eslaminejad MB**, Zeynali B, Eftekhari P. Lithium increases the potential of proliferation and clonogenecity of rat bone marrow mesenchymal stem cells. Proceedings of the 15th National & Third International Conference of Biology, 19-21 Aug 2008; University of Tehran.

27- Salami F, **Eslaminejad MB,** Soleimani Mehranjani M, Abnousi MH. BIO increases rat marrow-derived mesenchymal stem cells (rMSCs) in vitro expansion and inhibits their experimentally- induced apoptosis. Proceedings of the 15th National & Third International Conference of Biology, 19-21 Aug 2008; University of Tehran.

28- Hamrahi D, Shiran MB, **Eslaminejad MB**, Rouhi L. Effects of low-intensity ultrasound on osteogenic differentiation of rat bone marrow mesenchymal stem cells: an in vitro study. Iran J of Reprod Med, Winter 2008; 6: S1: 12.

29- Rouhi L, Arab Najafi M, **Eslaminejad MB**, Baharvand. Culture of the rat mesenchymal stem cells: Using peripheral blood-derived plasma as a culture medium supplement. J of Reprod Med, Winter 2008; 6: S1: 45.

30- Mardpour S, **Eslaminejad MB**, Aghdami N. Comparative Analysis Of Rat Mesenchymal Stem Cells From White And Brown Adipose Tissue. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

31- Mardpour S, **Eslaminejad MB**, Aghdami N. Prolireation And Aging Of Rat Mesenchymal Stem Cells From Epicardial Adipose Tissue In Comparison To Those From Bone Marrow Tissue. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

32- Alipur H, Eftekhari-Yazdi P. Rastgarnia A, Eslaminejad MB. Effect of LH-treated ovine oviductal epithelial cell co-culture system on murine pre-embryo development. Iranian Journal of Reproductive Medicine, 40 Vol. 7, Suppl 1, Winter 2009

33- Jahangir S, **Eslaminejad MB**. Comparative Analysis Of Mesenchymal Stem Cells From Mouse Amniotic Fluid And Bone Marrow. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

34- **Eslaminejad MB**, Nazarian H, Taghiyar L. Differentiation And Growth Capacity Of Mscs Isolated By Replating The Non Adherent Cells From Discarded Medium Of Rat Marrow Cell Primary Cultures. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

35- **Eslaminejad MB**, Talkhabi M, Zainali B, Eftekhari Yazdi P. Enhancement Of In Vitro Proliferation And Bone Differentiation Of Rat Marrow-Derived Mesenchymal Stem Cells With Lithium Chloride Treatments. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

36- Bageri F, **Eslaminejad MB**, Zomorodian E. Effects Of Matrigel On Proliferation And Bone Differentiation Of Human Mesenchymal Stem Cells In Culture. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

37- Taghiyar L, **Eslaminejad MB**. Cartilage Differentiation Of Rat Marrow Derived Mscs Co Cultured With Rabbit Articular Chondrochytes Encapsulated In Alginate Gel. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

38- Taghiyar L, **Eslaminejad MB**. Comparison Of Marrow Derived Mesenchymal Stem Cell And Articular Chondrocyte From Rat In Alginate 3 D Cultures. Poster Presentation, ISSCR Annual Metting July 8-11, 2009, Barcelona, Spain.

39- Faghihi F, **Eslaminejad MB**. A Method For Mice Mesenchymal Stem Cell Isolation And Expansion In Hypoxic Conditions On Fibronectin. Poster presentation, ISSCR annual metting July 8-11, 2009, Barcelona, Spain.

40- Nazarian H, **Eslaminejad MB**, Fallahi F, Nojedehian. Poster presentation, ISSCR annual metting July 8-11, 2009, Barcelona, Spain.

41- Jahangir S, **Eslaminejad MB**. Amniotic fluid versus bone marrow derived mesenchymal stem cells: Proliferation, bone differentiation and senescence. Royan International Twin Congress, September, 2009, Tehran, Iran.

42- Mardpour S, **Eslaminejad MB**, Aghdami N. Proliferation and aging of rat mesenchymal stem cells from epicardial adipose tissue in comparison to those from bone marrow tissue. Royan International Twin Congress, September, 2009, Tehran, Iran.

43-Mirakhori F, Shirmohammadali A, Parvane-Tafreshi A, **Eslaminejad MB**, Zeynali B. Lithium induce apoptosis in rat ovarian follicles through Wnt/beta-catenin pathway. Cellular and Molecular Biology, 2009; 6: S151-S202.

44- Mirzadeh H, Zandi M, **Eslaminejad MB**, Evaluation of wistar rats mesenchymal stem cells response to novel gelatin scaffold coated with nano rod Hap. Internat J Artific Org, Vol 32, No 7, 2009, PP: 416

45- Mirzadeh, H, Bagheri-Khoulenjani S, **Eslaminejad MB**. Investigation on a novel injectable nano-composite containing erythropoietin for bone tissue engineering Internat J Artific Org, Vol 32, No 7, 2009, PP: 453

46- Zandi M, Mirzadeh H, Mayer C, Urch H, **Eslaminejad MB**, Bagheri F, Mivehchi H. Preparation and biocompatibility evaluation of gelatin/nano-rod Hap scaffold coated with n-Hap using mesenchymal stem cells. 4th International Symposium on Macro- and Supramolecular, Architectures and Materials, 7-11 Sep, 2008, Duesseldorf, Germany.

47- Kermani SH, Karbalaei KH, Madani SH, Jahangirnejad AA, **Eslaminejad MB,** Nasr-Esfahani MH, Baharvand H. Effect of lead on proliferation and neural differentiation of mouse bone marrow mesenchymal stem cells. Iranian J Reprod Med, 7, Supp. 2, 2009.

48- Akhlaghi, AA, **Eslaminejad, MB**, Falahi F, Nazarian H, Omani Samani R. Factor analysis: a good practical way for selection of appropriate housekeeping gene in Rat mesenchymal stem cell and its differentiated lineages. ESHRE 2010.

49- Dehghan MM, Kazemi H, **Eslaminejad MB**, Sharifi D, Mardjanmehr SH, Masoudifar M Vajhi A. Histopathological evaluation of treatment of superficial digital flexor tendinitis with autologus mesenchymal stem cells in horse. 15th ESVOT Congress, September 15 - 18, 2010, Bologna, Italy

50- Hassani SA, Ghahramanpoor M, Abdouss M, **Eslaminejad MB**, Bagheri F. Evaluation of alginate gel system for the repair of complex defects in articular cartilage. 27th PPS Annual meeting, 2011, Marrakech, Morocco.

51- Khoshchehreh, R, Ebrahimi M, Baharvand H, **Eslaminejad MB**, Aghdami N, Samani F. In vitro potential of human bone marrow stromal cells to differentiate into insulin producing cells in co-culture with pancreatic stromal cells. ISSCR annual meeting June 15 – 18, 2011, Toronto, Canada.

52- **Eslaminejad MB**, Karimi N, Shahhosseini M. Glycosaminoglycan-rich matrix production at chondrogenic culture of human marrow-derived mesenchymal stem cells treated with GSK3 inhibitors. ISSCR annual meeting June 15 – 18, 2011, Toronto, Canada.

53- **Eslaminejad MB**, Bordbar S. Isolation of mesenchymal stem cell-like population from blastema of rabbit pinna. ISSCR annual meeting June 15 – 18, 2011, Toronto, Canada.

54- Karamzadeh R, Pesaran Haj Abbas F, Janan A, Shakeri I, Nazarimoghaddam K, Parivar K, **Eslaminejad MB**, Aflatoonian R. Innate immunology in dental pulp. Immunoogy, Volume 135, Suppl. 1, December 2011.

55- Khoshchehreh, R, Ebrahimi M, Baharvand H, **Eslaminejad MB**, Samani F. Differentiation of bone marrow mesenchymal stem cells into insulin producing cells in comparison with umbilical cord mesenchymal stem cells in co-culture with pancreatic stromal cells.Society for hematology and stem cells (40th Annual Scientific meeting 25-28 Aug, 2011.

56- Khoshchehreh R, Ebrahimi M,, Baharvand H, **Eslaminejad MB**, Samani F. Investigation the Effect of Rat Pancreatic Stromal Cells on Differentiation of Human Bone Marrow and Umbilical Cord Vein Mesenchymal Stem Cells into Insulin-Producing Cells In Vitro. CDB symposium 2012: Quantitative Developmental Biology, March 26-28, 2012.

57- **Eslaminejad MB,** Afshin Khorsand A, Eftekhari Yazdi P, Arabsolghar M, Paknejad M, Ghaedi B, Rokn AR, Moslemi N, Nazarian H**.** Autologous Dental Pulp Stem Cells in Regeneration of Defect Created in Canine Periodontal Tissue . ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

58- Bordbar S, **Eslaminejad MB**. Comparison of proliferation, expansion and differentiation into skeletal cell lineages of blastema cells of rabbit pinna and murine bone marrow derived MSCs. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

59- Taghiyar L, **Eslaminejad MB**, Falahi F. Comparison of Cartilage differentiation of rat marrow-derived MSCs co-cultured with rat Osteoblasts and chondrocytes encapsulated in alginate gel. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

60- Safari F, **Eslaminejad MB**. Human chorionic plate contains MSC-like population with a comparatively rapid proliferation rate than marrow MSCs. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

61-Faghihi F, **Eslaminejad MB**, Chehrazi M, Zomorodian E, Sayahpour F. The efficacy of purmorphamine in promotion of osteogenesis in human Bone Marrow- Derived Mesenchymal Stem Cells: appropriate dose and response time. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

62-Faghihi F, **Eslaminejad MB**. Rapmycin attenuates osteogenic properties of Daxamethasone on human Bone Marrow- derived Mesenchymal Stem Cells. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

63- Ghasemzadeh M, **Eslaminejad MB**, Btavani RA, Seddighi-G MA. Evaluation of different concentrations of retinoic acid impaction on germ-specific gene expression in ram marrow derived mesenchymal stem cells. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

64- Ghasemzadeh M, **Eslaminejad MB**, Seddighi-G M A, Btavani RA. Transforming growth factor beta 1 induces the differentiation of ram marrow-derived mesenchymal stem cells into male germ-like cells. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

65- Karamzadeh R, **Eslaminejad MB**, Aflatoonian R. Immunological evaluation of human dental pulp stem cells differentiation with emphasize on toll-like receptor 4. . ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

66- Malakoti E, **Eslaminejad MB**, Bagheri F, Gheibi N. Gene Transfection to MSCs by Chitosan Nanoparticles. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

67- **Eslaminejad**, Bone tissue engineering using mesenchymal stem cells. The 3th Royan International Summer School: Stem Cells and Developmental Biology for Regenerative Medicine, July 14-19, 2012, Tehran, Iran

68- Mardpour S, Aghdami N, Emadedin M, **Eslaminejad MB**, Moghadasali R, Fazeli R, Azimian V, Mohseni F. Study the side effects of injection of autologous mesenchymal stem cells in patients with hip osteoarthritis. ISSCR annual meeting June 13 – 16, 2012, Pacifico Yokohama, Japan.

69- Ghasemzadeh M, **Eslaminejad MB**, Batavani RA, Sadighi MA. Effects of zinc ion on creartion of male germ cells properties in sheep marrow-derived mesenchymal stem cells. Royan international twin congress: 8th congress on stem cell biology and technology 5-7 Sep 2012.

70- Hashemzadeh MR, Aflatoonian R, Saadati M, **Eslaminejad MB**, Zarea M. Effects of lipopolysaccharides from different shigella strains on Toll-like receptor 4 expression in human bone marrow mesenchymal stem cells. Royan international twin congress: 8th congress on stem cell biology and technology 5-7 Sep 2012.

71- Hosseini SM, Attar A, Tavangar MS, **Eslaminejad MB,** Karamzadeh R. Comparative analysis of growth charecteriostics od stem cells derived from human dental pulp polyp (PPSCS) versus normal dental pulp stem cells (DPSCs). Royan international twin congress: 8th congress on stem cell biology and technology 5-7 Sep 2012.

72- Karamzadeh R, **Eslaminejad MB**, Aflatoonian R. Comparative assessment of Toll-like receptor-4 expression in in vitro differentiation and in vivo-derived odontoblast. Royan international twin congress: 8th congress on stem cell biology and technology 5-7 Sep 2012.

73- Taghiyar L, **Eslaminejad MB,** Falahi F. Comparison of cartilage differentiation of rat bone marrow-derived MSCs direct and indirect co-cultured with mouse chondrocytes encapsulated in alginate gel. Differentiation congress, 2012, Holland.

74- Safari F, **Eslaminejad** MB. Osteogenic differentiation of mesenchymal stem cells from human amniotic fluid and human bone marrow: a compartative study. Differentiating congress, 2012, Holland.

75- Malakooty Poor E, Gheibi N, **Eslaminejad MB**, Safarian S, Bagheri F. Effect of Chitosan Nanoparticles on T47D Viability. The First International and 11th Iran Biophysical Chemistry Conference, 13-15 June 2012, Ardebil, Iran.

76- Bagheri-Khoulenjani S, Mirzadeh H, **Eslaminejad MB**, Bagheri F. Investigation on a novel injectable nao-composite based on nHA-in-PLGA/NMP for bone tissue engineering. 9th World Biomaterials Congress, june 1-5, 2012 Chengdu, China.

77- Bagheri F, Eslaminejad MB, Safarian S. Killing effects of siRNA/doxorubicin cocktail on T-47D breast cancer cell line occur via DFF-45 gene silencing and apoptosis induction. 20th Euroconference on Apoptosis "From Death to Eternity"September 14-17, 2012, Rome, Italy.

78-Karimi T, **Eslaminejad MB**, Aminlari M, Shahverdi A, Sayahpour F. Telomerase Negative Umbilical Cord Blood Mesenchymal Stem Cells Illustrating High Self- Renewal and Differentiation Potential; Promising Candidates for Regenerative Medicine. Keystone symposia: Regenerative Tissue Engineering and Transplantation. April 1-6, 2012 Colorado, USA.

79- Ajdari M, **Eslaminejad MB**, Baharvand H, Aghdami N. Contribution of human pluripotent stem cells derived endothelial cells in vascular regeneration of bleomycin-induced scleroderma mouse model. 18th ISCT annual meeting, June 5-8, 2012. Seattle, USA.

80- **Eslaminejad MB**, Bordbar S, Nazarian H. Odontogenic Differentiation of Dental Pulp-derived Stem Cells on Tricalcium Phosphate Scaffolds. ISSCR annual meeting June 12 – 15, 2013, Boston, Massachosset, USA.

81- Karamzadeh R, **Eslaminejad MB**, Aflatoonian. Comparative evaluation of OCT-4, SOX2 AND C-MYC expression in human dental pulp stem cells VS human dental follicle stem cells. ISSCR annual meeting June 12 – 15, 2013, Boston, Massachosset, USA.

82- Karimi T, **Eslaminejad MB**, Zomorodian E, Sayahpour. Establishment of a GFP- Positive Immortalized Mesenchymal Stem Cell Line Expressing Telomerase after Lentiviral Gene Transfection. ISSCR annual meeting June 12 – 15, 2013, Boston, Massachosset, USA.

83- Fallah, N, Eftekhari Yazdi P, **Eslaminejad MB**. Small Molecule-BIO Accelerates and Enhances Marrow-Derived Mesenchymal Stem Cell in vitro Chondrogenesis. ISSCR annual meeting June 12 – 15, 2013, Boston, Massachosset, USA.

84- Safari F, **Eslaminejad MB**. Quantification of cartilage-specific gene expression in chondrogenic cultures of Human Amniotic Fluid and Marrow MSCs in comparison with chondrocytes presented in hyaline cartilage. ISSCR annual meeting June 12 – 15, 2013, Boston, Massachosset, USA.

85- Taghiyar, L, **Eslaminejad MB**, Dehghan MM, Fani N. Regeneration of Experimentally-created Cartilage Defects in Ovine Knee Joints Using Autologous Bone marrow MSCs, Adipose Derived Stem cells and Chondrocytes. ISSCR annual meeting June 12 – 15, 2013, Boston, Massachosset, USA.

86- Bagheri F, **Eslaminejad MB**. Bone Tissue Engineering: Progress and Challenges. 9th Royan International Congress on Stem Cell Biology & Technology 4-6 September 2013.

87- Alizadeh E, Zarghami N, **Eslaminejad MB**, Barzegar A, Jahangir S, Hashemzadeh S. Epigenetic Alteration of Mir-122 and Let-7b Expression in Adipose Tissue-Derived Mesenchymal Stem Cells by Trichostatin A. 9th Royan International Congress on Stem Cell Biology & Technology 4-6 September 2013.

88- Ziadlou R, Sayahpour FA, Safari F. **Eslaminejad MB**, Shahhoseini M. Differential Expression Level of Nestin in Mesenchymal Stem Cells Derived from Human Chorion and Bone Marrow. 9th Royan International Congress on Stem Cell Biology & Technology 4-6 September 2013.

89- Alizadeh E, Zarghami N, **Eslaminejad MB**, Hashemzadeh S, Barzegar A. Trichostatin A Induced Mir-122 Expression in Adipose Tissue-Derived Mesenchymal Stem Cells 1st Tabriz International Life Science Conference and 12th Iran Biophysical Chemistry Conference, 2013.

90- Taherimehr M, Bagheri R, Maddah Hoseini H, **Eslaminejad MB**. Evaluation of thermoplastic starch and nano-biocomposite of thermoplastic starch/beta tricalcium phosphate for bone tissue engineering applications. European Cells and Materials Vol. 26. Suppl. 4, 2013 (page 37).

91- Bagheri F, **Eslaminejad MB**, Safaraian S. Induction of apoptosis and cell cycle arrest in T-47D breast cancer cell line through treatment with DDF45 siRNA/doxorubicin and DFF45 siRNA/sulfabenzamide cocktails. The 17th National and 5th International Iranian Biology Conference.

92- Fani N, **Eslaminejad MB**, Shahhoseini M. Comparative H3K9 modification of in vitro osteogenesis of rat mesenchymal stem cells through different autologous serum and FBS culture conditions. The 5th EMBO meeting (Advancing the life sciences), Amsterdam, 21-24 Sep 2013.

93- Ziadlou R, **Eslaminejad MB,** Shahhoseini M. Comparative Epigenetic Analysis of Stemness Marker Genes in Mesenchymal Stem Cells derived from Human Chorion and Bone Marrow. 1st Annual Conference of the German Stem Cell Network (GSCN), Max Delbrück Center (MDC), Berlin, November 11-13, 2013

94- Elham Malakooty E, **Eslaminejad MB**, Gheibi N, Bagheri F. Chitosan/DNA nanoparticles characteristics determine the transfection efficacy of gene delivery to human mesenchymal stem **cells.** Experimental Hematology 41 (8), 2013: S23–S65

95- Ziadlou R, Shahhoseini M, **Eslaminejad MB**. Comparative expression analysis of embryonic stem cell Marker gene in mesenchymal stem cells derived from human bone marrow and chorion. Experimental Hematology 41 (8), 2013: S75.

96- Bagheri F, Safarian S, **Eslaminejad MB**, Sheibani N. The siRNA Knock-down of DFF45 Enhances Doxorubicin- Induced Apoptosis of Breast Cancer T-47D and MDA-MB-231Cells. The 5th EMBO meeting (Advancing the life sciences), Amsterdam, 21-24 Sep 2013.

97- **Eslaminejad MB.** Mesenchymal Stem Cells as potent cells for Bone and Articular Cartilage Regeneration.Stem Cell Congress 22-24. 2014, Tehran, Iran.

98- Eslaminejad MB, Zare MA, Hosseini A. Comparative characterization of mesenchymal stem cells from tissue of human umblical cord: A search for reliable cell source for regenerative medicine. ISSCR annual meeting June 18 – 21, 2014, Vacouver, Canada

99- Faghihi F, Papadimitripoulos A, Martin I, Eslaminejad MB3, Joghataei MT, Ai J. Effect of purmorphamine on osteogenic differentiation of human bone marrow derived mesenchymal stem cells in a three-dimentional dynamic culture system. ISSCR annual meeting June 18 – 21, 2014, Vacouver, Canada

100- Ghasemzadeh-Hassankolaei M, Eslaminejad MB Ghorbanian MT, Ghasemzadeh-Hasankolaei M. Organic and inorganic zinc have different effects on the expression of germ cell specific genes in ram bone marrow derived mesenchymal stem cells. ISSCR annual meeting June 18 – 21, 2014, Vacouver, Canada

101- Taghiyar Renani L, Eslaminejad MB. Bone marrow derived mesenchymal stem cells versus blastema cells: Promoting regeneration at experimentally ampudated tips of C57 adult mice. ISSCR annual meeting June 18 – 21, 2014, Vacouver, Canada

102- Ghasemzadeh-Hasankolaei M, Eslaminejad MB, Batavani R. Male and Female Rat Bone Marrow- Derived Mesenchymal Stem Cells Are Different in Terms of The Expression of Germ Cell Specific Genes. 10th Royan International Congress on Stem Cell Biology & Technology September 2014

103- Yazdanpanah A, Sayahpoor FA, Eslaminejad MB, Aflatoonian R, Lame Rad B. The Expression and Function of Toll-Like Receptor 2 in Proliferation and Osteogenic Differentiation of Human Bone Marrow-Derived MSCs. 10th Royan International Congress on Stem Cell Biology & Technology September 2014

104- Hamrahi D, Shiran MB, Gourabi H, Eslaminejad MB. Dexamethasone, Low Intensity Ultrasound and Osteogenic Differentiation of Adult Stem Cells. 10th Royan International Congress on Stem Cell Biology & Technology September 2014

105- Zarghami N, Alizadeh E, Akbarzadeh A, Eslaminejad MB, Nejati-Koshki K. Up-regulation of Liver Enriched Transcription Factors (HNF4a and HNF6) and Liver Specific MicroRNA (MiR-122) by Inhibition of Let-7b in Mesenchymal Stem Cells. XXXIV Nordic Congress in clinical chemistry, 16-19 Sep 2014, Goteborg Sweden

106- Aghajanpoor M, Hashemi –Najafabadi S, Eslaminejad MB. Evaluation the increasing of pore size in electrospun scaffolds using ultrasound with sonotrode. Proceedings of 5th

International Congress on Nanoscience & Nanotechnology (ICNN2014) 22-24 October 2014, Tehran, Iran

107- Omidvarkodshouli N, Ganji F, Eslaminejad MB, Daraee B. Development of chitosan nanoparticles: a slow release drug delivery system. . Proceedings of 5th International Congress on Nanoscience & Nanotechnology (ICNN2014) 22-24 October 2014, Tehran, Iran

108- Ghasemzadeh-Hasankolaei, M, **Eslaminejad, MB**, Sedighi-Gilani, M. Deriviation of male germ cells from ram bone marrow mesenchymal stem cells by three different methods and evaluation of their fate after transplantation into the testis. Poster Presentation, ISSCR Annual Metting June 24-27, 2015, Stockholm, Sweden.

109- Bagheri, F, Aghajanpoor, M, Hashemi-Najafabadi, S, **Eslaminejad, MB**. Mesenchymal stem cells infiltration and bone differentiation on improved electrospun scaffolds comprised of polycarbolacton (PCL)/nanohydroxyapatite (nHA). Poster Presentation, ISSCR Annual Metting June 24-27, 2015, Stockholm, Sweden.

110- Ghasemzadeh-Hasankolaei, M, Batavani, R, Eslaminejad, MB, Ghasemzadeh-Hasankolaei, M, Sayahpour, F. New germ cell formation during three different periods of time after autologous bone marrow mesenchymal stem cells transplantation into the testis of infertile male rats. Poster Presentation, ISSCR Annual Metting June 24-27, 2015, Stockholm, Sweden.

111- Fani, N, **Eslaminejad, MB**. Odontotonic differentiation of dental pulp derived stem cells on tricalcium phosphate versus treated dentin matrix scaffolds. Poster Presentation, ISSCR Annual Metting June 24-27, 2015, Stockholm, Sweden.

112- **Eslaminejad MB**, Jahanghir S, Khojasteh A, Fahimipour F, Jafarian M, Eftekhari Yazdi P. Investigation of endothelial progenitor cells co-cultured with mesenchymal stem cells in 3-D scaffolds: an attempt to manufacture a vascularized bone construct. Poster Presentation, ISSCR Annual Metting June 24-27, 2015, Stockholm, Sweden.

113-Dorraj M, **Eslaminejad MB**, P17- Regeneration of Amputated Mouse Digit Tip by Inducing WNT Signaling Pathway with Small Molecules in Organ Culture. International Congress on Stem Cells and Regenerative Medicine, 20-22 May, 2015, Mashhad

114-Fani F, **Eslaminejad MB**, Comparison of Differentiation of Dental Pulp Derived Stem Cells on Tricalcium Phosphate versus Treaded Dentin Matrix Scaffolds. International Congress on Stem Cells and Regenerative Medicine, 20-22 May, 2015, Mashhad

115-Reza Fekrazad, Mostafa Sadeghi Ghuchani, **Mohammadreza Baghban Eslaminejad**, Leila Taghiyar, Katayoun A.M. Kalhori, Mir Sepehr Pedram, Arman Mohammadi Shayan, Naser Aghdami, Heidi Abrahamse. THE EFFECTS OF COMBINED LLLT AND MESENCHYMAL STEM CELLS ON BONE REGENERATION IN RABBIT CALVARIAL DEFECTS. American Society for Laser Medicine and Surgery, March 2015, USA

115-Reza Fekrazad, Arman Mohammadi Shayan, **Mohammadreza Baghban Eslaminejad**, Katayoun A.M. Kalhori, Leila Taghiyar, Mir Sepeher Pedram, Mostafa Sadeghi. EFFECT OF CULTURED MESENCHYMAL STEM CELLS WITH SCAFFOLD AND THERAPEUTIC LASER ON HEALING RATE OF ARTICULAR CARTILAGE DEFECTS IN RABBIT: A HISTOLOGICAL STUDY. American Society for Laser Medicine and Surgery, March 2015, USA

116- Pourjafari N, Hashemi –Najafabadi S, **Eslaminejad MB**, Bagheri F. The effect of dynamic condition in bone tissue engineering using improved electrospun scaffolds. The 9th International Chemical Engineering Congress & Exhibition (IChEC 2015) Shiraz, Iran, 26-28 December, 2015

117-Mirghasemi AR, Sadeghi MS, Hussain Z, Rahimi Gabaran N, **Eslaminejad MB**. Biological Optimization of Cortical Bone Allografts: A Study of the Effects of Mesenchymal Stem Cells and in Partial Demineralization and Laser Perforation femoral rat. 23rh Annual Meeting of the Iranian Orthopaedic Association**,** Oct 13th - 17th,2015 Tehran, Iran

118-Abbasi F, Ghanian MH, Baharvand H, Vahidi B, **Eslaminejad MB**. Crosslink density regulates the promoting effect of polydimethylsiloxane micoparticles on multi-lineage differentiation of human mesenspheres. First congress of chemical biotechnology- March 2016, Tehran, Iran

119- D.G. Savadkoohi1, M. Javad Zehtab1, B. Siavashi1, M. Moazzami1, M. Reza Baghban Eslaminejad2, L. Taghiyar2 THE ROLE OF PLURIPOTENTIAL STEM CELLS IN THE REPAIR OF CARTILAGE DEFECTS OF MUSCULOSKELETAL SYSTEM (AN INTERVENTIONAL STUDY) Hip Int 2010; 20 (03): 357

B) National

1- **Eslaminejad, MB**, Rezazadeh M , Kazemi S. The improvement of murine embryo growth and development by uterine polarized epithelial cells. The first congress of developmental and cellular biology .2004 Tehran. Iran

2- **Eslaminejad, MB**, Rezazadeh M, Kazemi S. Differentiation induction to human uterine epithelial cells in vitro. The first congress of developmental and cellular biology .2004 Tehran Iran.

3- Taghiyar L,**Eslaminejad, MB**, Gharezi A. Isolation and in vitro differentiation of mMSC into cartilage. The first international congress of biology, 2005 karaj Iran.

4-**Eslaminejad, MB**, Rezazadeh M, Kazemi S, Eftekhari-Yazdi P.Comparison of development of one and two cell murine embryo on human uterine and oviduct epithelial cells cultivated on extracellular matrix.Abstract, Oral, 12th congress of Iranian fertility and infertility, 2006 , Tehran , Iran.

5- Nadri S, **Eslaminejad, MB**, Hajii hosseini R, Murine marrow –derived mesenchymal stem cells: Isolation, Differentiation and study of some surface markers.oral presentation in 7th Iranian congress of anatomical sciences 10-20-May 2006 kashan Iran.

6- Nikmahzar a, **Eslaminejad, MB**, Dehgan H, Kazemi .Isolation of mesenchymal stem cells from canine bone marrow and assessment of their differentiation into bone and fat invitro.oral presentation in 7th Iranian congress of anatomical sciences 10-20-May 2006 kashan Iran.

7- Fathi F, **Eslaminejad MB**, Asahara T.Cellular and molecular evaluation and transfection of endothelial progenitor cells isolated from human peripheral blood. Oral, 7th Iranian congress of anatomical sciences, May 2006 Kasan , Iran.

8- **Eslaminejad, MB**. Mesenchymal stems cells (Invited Speaker), The 4th national congress on improving the quality in clinical laboratories. Feb.2006 tehran Iran.

9- **Eslaminejad, MB**. Mesenchymal stem cells, Properties and applications. oral , The second congress on genetic diseases.2006 tehran, Iran.

10- **Eslaminejad MB**, Rezazade M, Taghialtarihi M. Computerized reconstruction of chick embryo cartilage canals. Poster, The 4th congress of Iranian anatomical sciences.November 1998, Tehran, Iran.

11- **Eslaminejad MB**, Mesenchymal stem cells (Invited Speaker). Symposium on stem cells. Bobol University of medical sciences, spring 2004

12- **Eslaminejad MB**, Mesenchymal stem cells (Invited Speaker). Stem Cell Meeting, Gilan University of Medical Science, Spring 2005.

13-**Eslaminejad MB**. Mesenchymal stem cells in bone and cartilage regeneration (Invited Speaker).Seminar on Stem cells and Diseases. Golestan University of Medical Sciences. Autmn 2005.

14- **Eslaminejad MB**, Mesenchymal Stem Cells and their potential in tissue regeneration Invited Speaker). Symposium of tissue Engineering, winter 2006, Iran Institue of polymer and petrochemistry, Tehran.

15- **Eslaminejad MB.** Mesenchymal stem cells and bone tissue engineering (Invited Speaker). Conference of Stem Cells and Diseases treatment. Esfahan University of Medical Sciences. Autmn 2006.

15- Talkhabi M, **Eslaminejad MB**, Zeinali B, Goudarzi E. Study of the effects of Lithium on serum deprivation- and TNF-α-induced apoptosis in marrow-derived mesenchymal stem cells. The Second student congress of North University of medical sciences, Sep 2008, Ardebil-Iran.

17- **Eslaminejad MB.** Mesenchymal stem cells (Invited Speaker). Seminar on Stem Cells. Arak university of Medical Sciences. Summer 2007.

18- **Eslaminejad MB.** Mesenchymal stem cells (Invited Speaker). Conference on Polymer Application in Medicine: Biocompatible polymers, Stem Cells and Tissue Engineering. Iran polymer and petrochemical Institute. Winter 2007.

19- **Eslaminejad MB.** Mesenchymal stem cells and Regenerative Medicin (Invited Speaker). Conference on application of stem cells in regenerative medicine. Royan Institute, winter 2008.

20- **Eslaminejad MB.** Mesenchymal stem cells and their applications in Orthopedia (Invited Speaker). Conference on Clinical applications of Stem Cells. Esfahan University of Medical Sciences. Autmn 2008.

21- **Eslaminejad MB.** Murine mesenchymal stem cells isolated by low-density culture system. The 14th Razi research festival on medical sciences. Tehran Dec 2007.

22- **Eslaminejad MB.** Mesenchymal stem cell application in bone and cartilage repair (Invited Speaker). Symposium on applications of mesenchymal Stem Cells in Orthopedia. Royan Institute, winter 2009.

23- **Eslaminejad MB.** Mesenchymal stem cells and their applications in regenerative medicine (Invited Speaker). Thr 1th precongress on Stem Cells. Royan Institute, summer 2009.

24- Karimi N, **Eslaminejad MB**, Shahhosseini.Study of Effect of different concentrations of lithium chloride on human marrow-derived mesenchymal stem cell in vitro proliferation. Oral presentation, Iranian Congress of Anatomical Sciences, Hamadan, Spring 2010.

25- Dehghan MM, Kazemi MH, **Eslaminejad MB,** Marjanfar SH, Sharifi D, Masodifard M, Vajhi A. Histopathological evaluation of the effects of mesenchymal stem cell transplantation on repair of experimental tendonitis of equine superficialis digitalis tendon. 8th Iranian Symposium of veterinary surgery, Anesthesia and Radiology, 23-25 Feb 2010, Tehran, Iran.

26- **Eslaminejad MB**. Mesenchymal stem cells and bone regeneration (invited Speaker), Iranian Congress of Anatomical Sciences, Hamadan, Spring 2010.

27- **Eslaminejad MB**. Mesenchymal stem cells: biologic properties and potential applications in regenerative medicine (invited Speaker). Symposium of Biology of Reproduction, Yazd, Spring 2010.

28- **Eslaminejad MB.** Applications of Mesenchymal stem cells in bone and cartilage regeneration (Invited Speaker). Symposium on applications of stem cells in Orthopedia. Mazandaran University of medical sciences. Winter 2010.

29- **Eslaminejad MB.** Bio Photonic stimulation of Mesenchymal stem cells into bone and cartilage differentiation (Invited Speaker). Iran Laser congress. Tehran, winter 2010.

30- **Eslaminejad MB.** Mesenchymal stem cells and genital tissue engineering (Invited Speaker). Royan Symposium on Embryology. Winter 2010.

31- **Eslaminjad MB**, Mesenchymal stem cell bone differentiation and its application. Biology and applications of stem cells, Mashhad, 2011.

32- Bagheri, Fatemeh, **Eslaminjad MB.** Bone tissue engineering: advances and challenges. 1st National Congress on Application of Biomaterials in Regenerative Medicine. 5-7 Feb 2014, Tehran

33- **Eslaminejad MB**. Mesenchymal stem cells as a potent cells for bone and cartilage regeneration (Invited Speaker). Stem Cell Congress, Jan 22-24, 2014, Tehran.

34- Alizadeh E, Zarghami N2 , **Eslaminejad MB**, Akbarzadeh A, Jahangir Sh, Barzegar A, Hahemzadeh S, Mohammadi A. The effect of Dimethyl Sulfoxide on hepatogenic differentiation of Mesenchymal Stem Cells. The 2nd Annual Congress Stem Cells Research and Application(22-23 May 2014, Mashhad-Iran)

35-Aghajanpoor M, Hashemi –Najafabadi S, **Eslaminejad MB**. Investigation of the effect of ultrasound on improving pore size in electrispun scaffolds. 21 th Iranian biomedical conference, 26-28 Nov 2014, Amirkabir University, Tehran, Iran

36-Sadeghi Ghadicallii M, Omidvarkodshouli N, Ganji F, Thghizadeh SM, **Eslaminejad MB**. Optimization of the parameters effective on efficiency in fabrication and size of polymeric chitosan nano partocles. 21 th Iranian biomedical conference, 26-28 Nov 2014, Amirkabir University, Tehran, Iran

37-Omidvarkodshouli N, Ganji F, **Eslaminejad MB**, Daraee B. Fabrication of hybrid scaffold of PCL-chitosan for controlled releasing of Dexamethazone. 15th Iranian national congress in chemistry, 28-30 Feb 2015, Tehran University, Iran.

38- **Eslaminejad MB**, Mesenchymal Stem Cells as Potent Cells in Regenerative Medicine of Bone and Articular Cartilage defects. , 2th Congress on progress in tissue Engineering and regenerative Medicine, Nov, 2015, Tehran

39- Noushin Omidvar N, Ganji F, **Eslaminejad MB**, Bagheri F. Osteogenic Differentiation of Mesenchymal Stem Cells on Electrospun Scaffolds Containing Dexamethasone Loaded Microspheres. 22nd Iranian Conference of Biomedical Engineering Iranian Research Organization for Science and Technology (IROST) 25 – 27 November 2015