



## محمدرضا باغبان اسلامی نژاد

استاد

محل خدمت: پژوهشگاه علوم سلولی (رویان)

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### جوایز و تقدیر نامه ها

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- راه اندازی و تاسیس آزمایشگاه سلول های بنیادی بزرگسالان پژوهشگاه رویان در سال 1384
- مدیر آزمایشگاه سلولهای بنیادی بزرگسالان پژوهشگاه رویان
- عضو شورای علمی پژوهشگاه رویان
- عضو شورای علمی پژوهشکده زیست شناسی و فناوری سلولهای بنیادی پژوهشگاه رویان
- عضو شورای علمی گروه سلولهای بنیادی و زیست شناسی تکوین
- عضو شورای علمی گروه مهندسی سلول
- عضو شورای انتشارات پژوهشگاه رویان
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### مقالات در نشریات

1. 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, ۲۰۲۰ ۹۱
۲. Eslaminejad, M.B., Taghiyar, L., Falahi, F., Co-culture of mesenchymal stem cells with mature

chondrocytes: producing cartilage construct for application in cartilage regeneration, Iranian Journal of Medical Sciences, ۲۰۰۹ ۱۲ ۱

Bordbar, S., Li, Z., Lotfibakhshaiesh, N., (...), Grad, S., Alini, M., Cartilage tissue engineering using decellularized biomatrix hydrogel containing TGF-beta-loaded alginate microspheres in a mechanically loaded bioreactor, Scientific Reports, (۲۰۲۴ ۱۲ ۱

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 and Tissue Banking, (۲۰۲۳ ۱۲ ۱

Fahimipour, F., Bastami, F., Khoshzaban, A., (...), 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, Tissue and Cell, and Cell

Baghaban Eslaminejad, M., Zomorodian, E., Bagheri, F., Mesenchymal stem cells in bone and cartilage regeneration, Regenerative Medicine and Cell Therapy, Regenerative Medicine and Cell Therapy

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, 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, Iranian Journal of Medical Sciences, Iranian Journal of Medical Sciences

Eslaminejad, M.B., Taghiyar, L., Falahi, F., Costal versus articular chondrocytes in alginate three-dimensional cultures, Iranian Journal of Biotechnology, Iranian Journal of Biotechnology

Gaeini, A., Eslaminejad, M.B., Choobineh, S., (...), 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, International Journal of Reproductive BioMedicine, International Journal of Reproductive BioMedicine

Dehghan, M.M., Eslaminejad, M.B., Motallebizadeh, N., (...), Mehrjerdi, H.K., Izadi, S., Transplantation of autologous bone marrow mesenchymal stem cells with platelet-rich plasma accelerate distraction osteogenesis in a canine model, Cell Journal, Cell Journal

Hosseini, S., Taghiyar, L., Safari, F., Baghaban Eslaminejad, M., Regenerative medicine applications of mesenchymal stem cells, Advances in Experimental Medicine and Biology, Advances in Experimental Medicine and Biology

Esmaili, A., Hosseini, S., Baghaban Eslaminejad, M., Therapeutic effects of mesenchymal stem cells on cutaneous leishmaniasis lesions caused by Leishmania major, Cell Communication and Signaling, 2024 12 1

Hoseinpour, M., Noori, A., Lotfibakhshaiesh, N., (...), Azami, M., Ghanian, M.H., A comparative study of 3D-printed scaffolds fabricated from different hydroxyapatite sources for bone tissue engineering applications, Advanced Composite Materials, -, 2024

Shokri, M., Kharaziha, M., Ahmadi Tafti, H., (...), Mehdiavaz Aghdam, R., Baghaban Eslaminejad, M., Engineering Wet-Resistant and Osteogenic Nanocomposite Adhesive to Control Bleeding and Infection after Median Sternotomy, Advanced Healthcare Materials, -, 2024

Shokri, M., Kharaziha, M., Ahmadi Tafti, H., (...), Ghiassi, S.R., Baghaban Eslaminejad, M., Melatonin-loaded mesoporous zinc- and gallium-doped hydroxyapatite nanoparticles to control infection and bone repair, Biomaterials Science, 2024

Ghafari, F., Karbasi, S., Baghaban Eslaminejad, M., Sayahpour, F.A., Kalantari, N., Biological evaluation and osteogenic potential of polyhydroxybutyrate-keratin/Al<sub>2</sub>O<sub>3</sub> electrospun nanocomposite scaffold: A novel bone regeneration construct, International Journal of Biological Macromolecules, 2023 7 1

Moghaddam, S.V., Abedi, F., Lotfi, H., (...), Khalili, M., Alizadeh, E., An efficient method for cell sheet bioengineering from rBMSCs on thermo-responsive PCL-PEG-PCL copolymer, Journal of

- .Biological Engineering,,2023 12 1
- Soleymani ,& Goloujeh, M., Hosseini, S., Baghaban Eslaminejad, M,Advanced Nanotechnology .18  
Approaches as Emerging Tools in Cellular-Based Technologies,Advances in Experimental  
.Medicine and Biology,2023
- Nabizadeh, Z., Nasrollahzadeh, M., Daemi, H., (...), Mirmohammadkhani, M., Nasrabadi, .19  
D.,Microand nanotechnology in biomedical engineering for cartilage tissue regeneration in  
.osteoarthritis,Beilstein Journal of Nanotechnology,,2022
- Nasiri, N., Nateghi, R., Zarei, F., Hosseini, S., Eslaminejad, M.B,Mesenchymal Stem Cell .20  
Therapy for Osteoarthritis: Practice and Possible Promises,Advances in Experimental Medicine  
.and Biology,2022
- Baei, P., Daemi, H., Mostafaei, F., (...), Baharvand, H., Baghaban Eslaminejad, M,A tough .21  
polysaccharide-based cell-laden double-network hydrogel promotes articular cartilage tissue  
.regeneration in rabbits,Chemical Engineering Journal,2021 8 15
- Taghiyar, L., Jahangir, S., Khozaei Ravari, M., Shamekhi, M.A., Eslaminejad, M.B.,Cartilage .22  
Repair by Mesenchymal Stem Cell-Derived Exosomes: Preclinical and Clinical Trial Update and  
.Perspectives,Advances in Experimental Medicine and Biology,2021
- Ebrahimi Sadrabadi, A., Baei, P., Hosseini, S., Baghaban Eslaminejad, M,Decellularized .23  
Extracellular Matrix as a Potent Natural Biomaterial for Regenerative Medicine,Advances in  
.Experimental Medicine and Biology,2021
- Hosseinzadeh, M., Kamali, A., Hosseini, S., Baghaban Eslaminejad, M.,Higher Chondrogenic .24  
Potential of Extracellular Vesicles Derived from Mesenchymal Stem Cells Compared to  
.Chondrocytes-EVs in Vitro,BioMed Research International,2021
- Nouri ,& Felekori, M., Khakbiz, M., Nezafati, N., (...), Eslaminejad, M.B., Fani, .25  
N.,Characterization and multiscale modeling of novel calcium phosphate composites containing  
.hydroxyapatite whiskers and gelatin microspheres,Journal of Alloys and Compounds,2020 8 15
- Asgari, N., Bagheri, F., Eslaminejad, M.B., (...), Sayahpour, F.A., Ghafari, A.M.,Dual functional .26  
construct containing kartogenin releasing microtissues and curcumin for cartilage  
.regeneration,Stem Cell Research and Therapy,,2020 7 16
- Bordbar, S., Lotfi Bakhshaiesh, N., Khanmohammadi, M., (...), Alini, M., Baghaban .27  
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 4 1
- Bakhtiar, H., Mirzaei, H., Bagheri, M.R., (...), Nekoofar, M.H., Dummer, P,Histologic tissue .28  
response to furcation perforation repair using mineral trioxide aggregate or dental pulp stem  
cells loaded onto treated dentin matrix or tricalcium phosphate,Journal of Global Antimicrobial  
.Resistance,2020 12 1
- Jahangir, S., Eglin, D., Potter, N., (...), Baghaban Eslaminejad, M., Safa, M,Inhibition of .29  
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 10 9
- Zarkesh, I., Halvaei, M., Ghanian, M.H., (...), Baharvand, H., Baghaban Eslaminejad, .30  
M.,Scalable and cost-effective generation of osteogenic micro-tissues through the incorporation  
.of inorganic microparticles within mesenchymal stem cell spheroids,Biofabrication,2020
- Khademi ,& Shirvan, M., Ghorbaninejad, M., Hosseini, S., Eslaminejad, M.B,The importance of .31  
stem cell senescence in regenerative medicine,Advances in Experimental Medicine and  
.Biology,2020
- Adibfar, A., Hosseini, S., Baghaban Eslaminejad, M.,Smart polymeric systems: A biomedical .32  
.viewpoint,Advances in Experimental Medicine and Biology,2020
- Rahmani, A., Hashemi ,& Najafabadi, S., Eslaminejad, M.B., Bagheri, F., Sayahpour, F.A.,The .33  
effect of modified electrospun PCL-nHA-nZnO scaffolds on osteogenesis and

- .angiogenesis,Journal of Biomedical Materials Research - Part A,2019 9 1
- Kamali, A., Oryan, A., Hosseini, S., (...), Baghaban Eslaminejad, M., Baharvand, H,Cannabidiol- .34  
loaded microspheres incorporated into osteoconductive scaffold enhance mesenchymal stem  
cell recruitment and regeneration of critical-sized bone defects,Materials Science and  
Engineering C,2019 8 1
- Safari, F., Fani, N., Eglin, D., (...), Stoddart, M.J., Baghaban Eslaminejad, M.,Human umbilical .35  
cord-derived scaffolds for cartilage tissue engineering,Journal of Biomedical Materials Research  
- Part A,2019 8 1
- Fani, N., Farokhi, M., Azami, M., (...), Ai, J., Eslaminejad, M.B,Endothelial and Osteoblast .36  
Differentiation of Adipose-Derived Mesenchymal Stem Cells Using a Cobalt-Doped CaP/Silk  
Fibroin Scaffold,ACS Biomaterials Science and Engineering,,2019 5 13
- Fekrazad, R., Asefi, S., Eslaminejad, M.B., (...), Bordbar, S., Hamblin, M.R.,Correction to: .37  
Photobiomodulation with single and combination laser wavelengths on bone marrow  
mesenchymal stem cells: proliferation and differentiation to bone or cartilage (Lasers in Medical  
Science,,Lasers in Medical Science,2019 2 6
- Fani, N., Hajinasrollah, M., Asghari Vostikolaee, M.H., (...), Tahriri, M., Tayebi, L.,Influence of .38  
conductive PEDOT:PSS in a hard tissue scaffold: In vitro and in vivo study,Journal of Bioactive  
(and Compatible Polymers,2019 11 1
- Nasiri, N., Hosseini, S., Alini, M., Khademhosseini, A., Baghaban Eslaminejad, M.,Targeted cell .39  
delivery for articular cartilage regeneration and osteoarthritis treatment,Drug Discovery  
Today,2019 11 1
- Oryan, A., Baghaban Eslaminejad, M., Kamali, A., (...), Sayahpour, F.A., Baharvand, .40  
H.,Synergistic effect of strontium, bioactive glass and nano-hydroxyapatite promotes bone  
regeneration of critical-sized radial bone defects,Journal of Biomedical Materials Research - Part  
B Applied Biomaterials,2019 1 1
- Hosseini, S., Halvaei, M., Ebrahimi, A., Shamekhi, M.A., Eslaminejad, M.B,3D Printing in .41  
Dentistry,Applications of Biomedical Engineering in Dentistry,2019 1 1
- Hosseini, S., Shamekhi, M.A., Jahangir, S., Bagheri, F., Eslaminejad, M.B,The Robust Potential .42  
of Mesenchymal Stem Cell-Loaded Constructs for Hard Tissue Regeneration After Cancer  
Removal,Advances in Experimental Medicine and Biology,2019
- Taghiyar, L., Hosseini, S., Safari, F., (...), Alini, M., Eslaminejad, M.B.,New insight into .43  
functional limb regeneration: A to Z approaches,Journal of Tissue Engineering and Regenerative  
(Medicine,,2018 9 1
- Hashemzadeh, M.R., Eslaminejad, M.B., Salman Yazdi, R., Aflatoonian, R.,Evaluation of toll- .44  
like receptor 4 expression in human bone marrow mesenchymal stem cells by  
lipopolysaccharides from Shigella,Biologicals,2018 9 1
- Abbasi, F., Ghanian, M.H., Baharvand, H., Vahidi, B., Eslaminejad, M.B.,Engineering .45  
mesenchymal stem cell spheroids by incorporation of mechanoregulator microparticles,Journal  
of the Mechanical Behavior of Biomedical Materials,,2018 8 1
- Jahanmard , Hosseinabadi, F., Amani , Tehran, M., Eslaminejad, M.B.,Mathematical Modeling .46  
and Experimental Evaluation for the predication of single nanofiber modulus,Journal of the  
(Mechanical Behavior of Biomedical Materials,2018 3 1
- Nasrabadi, D., Rezaeiani, S., Eslaminejad, M.B., Shabani, A.,Improved Protocol for .47  
Chondrogenic Differentiation of Bone Marrow Derived Mesenchymal Stem Cells -Effect of PTHrP  
and FGF-2 on TGFbeta1/BMP2-Induced Chondrocytes Hypertrophy,Stem Cell Reviews and  
Reports,,2018 10 1
- Oryan, A., Baghaban Eslaminejad, M., Kamali, A., (...), Moshiri, A., Baharvand, H,Mesenchymal .48  
stem cells seeded onto tissue-engineered osteoinductive scaffolds enhance the healing process  
of critical-sized radial bone defects in rat,Cell and Tissue Research,,2018 10 1
- Ghasemzadeh , Hasankolaei, M., Eslaminejad, M.B., Ghasemzadeh , Hasankolaei, .49

- M, Functional germ cells from non-testicular adult stem cells: A dream or reality?, *Current Stem Cell Research and Therapy*, 2018
- Zarkesh, I., Ghanian, M.H., Azami, M., (...), Mohammadi, J., Eslaminejad, M.B., Facile synthesis of biphasic calcium phosphate microspheres with engineered surface topography for controlled delivery of drugs and proteins, *Colloids and Surfaces B: Biointerfaces*, 2017 9 1
- Oryan, A., Kamali, A., Moshirib, A., Eslaminejad, M.B., Role of Mesenchymal Stem Cells in Bone Regenerative Medicine: What Is the Evidence?, *Cells Tissues Organs*, 2017 8 1
- Hosseini, S., Jahangir, S., Eslaminejad, M.B., Tooth tissue engineering, *Biomaterials for Oral and Dental Tissue Engineering*, 2017 8 1
- Aghajanpoor, M., Hashemi, Najafabadi, S., Baghaban, Eslaminejad, M., (...), Mohammad Mousavi, S., Azam..., The effect of increasing the pore size of nanofibrous scaffolds on the osteogenic cell culture using a combination of sacrificial agent electrospinning and ultrasonication, *Journal of Biomedical Materials Research - Part A*, 2017 7 1
- Shamekhi, M.A., Rabiee, A., Mirzadeh, H., (...), Mohebbi, & Kalhori, D., Baghaban Eslaminejad, M., Fabrication and characterization of hydrothermal cross-linked chitosan porous scaffolds for cartilage tissue engineering applications, *Materials Science and Engineering C*, 2017 11 1
- Khojasteh, A., Fahimipour, F., Jafarian, M., (...), Khayyatan, F., Baghaban Eslaminejad, M., Bone engineering in dog mandible: Coculturing mesenchymal stem cells with endothelial progenitor cells in a composite scaffold containing vascular endothelial growth factor, *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 2017 10 1
- Masaeli, E., Karamali, F., Loghmani, S., Eslaminejad, M.B., Nasr, & Esfahani, M.H., Bio-engineered electrospun nanofibrous membranes using cartilage extracellular matrix particles, *Journal of Materials Chemistry B*, 2017
- Emadedin, M., Labibzadeh, N., Fazeli, R., (...), Eslaminejad, M.B., Aghdami, N., Percutaneous autologous bone marrow-derived mesenchymal stromal cell implantation is safe for reconstruction of human lower limb long bone atrophic nonunion, *Cell Journal*, 2017
- Shirzad, N., Bordbar, S., Goodarzi, A., (...), Eslaminejad, M.B., Ebrahimi, M., Umbilical cord blood platelet lysate as serum substitute in expansion of human mesenchymal stem cells, *Cell Journal*, 2017
- Fani, N., Ziadlou, R., Shahhoseini, M., Baghaban Eslaminejad, M., Comparative epigenetic influence of autologous versus fetal bovine serum on mesenchymal stem cells through in vitro osteogenic and adipogenic differentiation, *Experimental Cell Research*, 2016 6 10
- Alizadeh, E., Eslaminejad, M.R.B., Akbarzadeh, A., (...), Herizchi, R., Zarghami, N., Upregulation of MiR-122 via Trichostatin A Treatments in Hepatocyte-like Cells Derived from Mesenchymal Stem Cells, *Chemical Biology and Drug Design*, 2016 2 1
- Khojasteh, A., Fahimipour, F., Eslaminejad, M.B., (...), Karkhaneh, A., Tayebi, L., Development of PLGA-coated beta-TCP scaffolds containing VEGF for bone tissue engineering, *Materials Science and Engineering C*, 2016 12 1
- Mousavi, S.N., Koohdani, F., Baghaban Eslaminejad, M., (...), Shafiei Neek, L., Shidfar, F., Extra virgin olive oil in maternal diet in, but high amount has deleterious effects creases osteogenic genes expression on bones in mice offspring at adolescence, *Iranian Journal of Basic Medical Sciences*, 2016 12 1
- Gaeini, A.A., Shafiei Neek, L., Choobineh, S., (...), Sayahpour, F.A., Mousavi, S.N., Preconception endurance training with voluntary exercise during pregnancy positively influences on remodeling markers in female offspring bone, *Journal of Maternal-Fetal and Neonatal Medicine*, 2016 11 16
- Mousavi, S.N., Koohdani, F., Shidfar, F., Eslaminejad, M.B., Comparison of maternal isocaloric high carbohydrate and high fat diets on osteogenic and adipogenic genes expression in adolescent mice offspring, *Nutrition and Metabolism*, 2016 10 18
- Alizadeh, E., Zarghami, N., Eslaminejad, M.B., (...), Barzegar, A., Mohammadi, S.A., The effect

of dimethyl sulfoxide on hepatic differentiation of mesenchymal stem cells, *Artificial Cells, Nanomedicine and Biotechnology*, 2016 1 1

Ghasemzadeh , Hasankolaei, M., Eslaminejad, M.B., Sedighi , Gilani, M., Derivation of male .66 germ cells from ram bone marrow mesenchymal stem cells by three different methods and evaluation of their fate after transplantation into the .testis, <https://rsf.research.ac.ir/Index.php?itemId=7189>, 2016 1 1

Ghasemzadeh ,& Hasankolaei, M., Batavani, R., Eslaminejad, M.B., Sayahpour, .67 F., Transplantation of autologous bone marrow mesenchymal stem cells into the testes of .infertile male rats and new germ cell formation, *International Journal of Stem Cells*, 2016

Labibzadeh, N., Emadedin, M., Fazeli, R., (...), Eslaminejad, M.B., Aghdami, N., Mesenchymal .68 stromal cells implantation in combination with platelet lysate product is safe for reconstruction .of human long bone nonunion, *Cell Journal*, 2016

Karamzadeh, R., Eslaminejad, M.B., Sharifi ,& Zarchi, A., Comparative in vitro evaluation of .69 .human dental pulp and follicle stem cell commitment, *Cell Journal*, 2016

Bagheri, F., Safarian, S., Baghaban Eslaminejad, M., Sheibani, N., Sensitization of breast cancer .70 cells to doxorubicin via stable cell line generation and overexpression of DFF40, *Biochemistry and .Cell Biology*, 2015 9 15

The effects of combined low level laser therapy and mesenchymal stem cells on bone .71 regeneration in rabbit calvarial defects, The effects of combined low level laser therapy and mesenchymal stem cells on bone regeneration in rabbit calvarial defects, *Journal of .Photochemistry and Photobiology B: Biology*, 2015 8 22

Ghasemzadeh , Hasankolaei, M., Eslaminejad, M.B., Batavani, R., Ghasemzadeh , .72 Hasankolaei, M., Male and female rat bone marrow-derived mesenchymal stem cells are different in terms of the expression of germ cell specific genes, *Anatomical Science International*, 2015 6 .26

Emadedin, M., Liastani, M.G., Fazeli, R., (...), Baharvand, H., Aghdami, N., Long-term follow-up .73 of intra-articular injection of autologous mesenchymal stem cells in patients with knee, ankle, or .hip osteoarthritis, *Archives of Iranian Medicine*, 2015 6 1

Paknejad, M., Eslaminejad, M.B., Ghaedi, B., (...), Moslemi, N., Nowzari, H., Isolation and .74 assessment of mesenchymal stem cells derived from bone marrow: Histologic and .histomorphometric study in a canine periodontal defect, *Journal of Oral Implantology*, 2015 6 1

Ziadlou, R., Shahhoseini, M., Safari, F., (...), Nemati, S., Eslaminejad, M.B., Comparative .75 analysis of neural differentiation potential in human mesenchymal stem cells derived from .chorion and adult bone marrow, *Cell and Tissue Research*, 2015 5 30

Foroutan, K.S., Khodarahmi, A., Alavi, H., (...), Eslaminejad, M.R.B., Bordbar, S., Bone marrow .76 mesenchymal stem cell and vein conduit on sciatic nerve repair in rats, *Trauma Monthly*, 2015 2 .1

Eslaminejad, M.B., Taghiyar, L., Safari, F., Nanotissue Engineering of Musculoskeletal .77 .Cells, *Stem Cell Nanoengineering*, 2015 1 2

Ghasemzadeh , Hasankolaei, M., Eslaminejad, M.B., Sedighi , Gilani, M., Mekarizadeh, .78 A., Starvation is more efficient than the washing technique for purification of rat Sertoli cells, In .*Vitro Cellular and Developmental Biology - Animal*, 2014 9 1

Tayebi Kamardi, M., Pourgholaminejad, A., Eslaminejad, M.B., Sotoodehnejadnematalahi, .79 F., Mesenchymal stem cells and their application in autoimmune disease treatment: Review article, Tayebi Kamardi, M., Pourgholaminejad, A., Eslaminejad, M.B., Sotoodehnejadnematalahi, .F., 2014 9 1

Ghasemzadeh , Hasankolaei, M., Sedighi , Gilani, M.A., Eslaminejad, M.B., Induction of ram .80 bone marrow mesenchymal stem cells into germ cell lineage using transforming growth factor- .beta superfamily growth factors, *Reproduction in Domestic Animals*, 2014 8 1

Attar, A., Eslaminejad, M. , B., Tavangar, M. , S., (...), Malekmohammadi, F., Hosseini, S. , .81



M.,Dental pulp polyps contain stem cells comparable to the normal dental pulps,Journal of .Clinical and Experimental Dentistry,,2014 2 1

Attar, A., Eslaminejad, M. , B., Tavangar, M. , S., (...), Malekmohammadi, F., Hosseini, S. , .82

M.,Dental pulp polyps contain stem cells comparable to the normal dental pulps,Journal of .Clinical and Experimental Dentistry,,2014 2 1

Ghasemzadeh , Hasankolaei, M., Eslaminejad, M.B., Batavani, R., Sedighi , Gilani, .83

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 2 1

Malakooty Poor, E., Baghaban Eslaminejad, M., Gheibi, N., Bagheri, F., Atyabi, F.,Chitosan- .84

pDNA nanoparticle characteristics determine the transfection efficacy of gene delivery to human .mesenchymal stem cells,Artificial Cells, Nanomedicine and Biotechnology,,2014 12 1

Faghihi, F., Papadimitropoulos, A., Martin, I., Eslaminejad, M.B,Effect of Purmorphamine on .85

Osteogenic Differentiation of Human Mesenchymal Stem Cells in a Three-Dimensional Dynamic .Culture System,Cellular and Molecular Bioengineering,2014 12 1

Bagheri, F., Safarian, S., Eslaminejad, M.B., Sheibani, N.,Stable overexpression of DNA .86

fragmentation factor in T-47D cells: sensitization of breast cancer cells to apoptosis in response .to acetazolamide and sulfabenzamide,Molecular Biology Reports,,2014 10 21

Salemi, H., Behnamghader, A., Eslaminejad, M.B., Ataei, M.,Effect of Collagen on the .87

Morphology and Structure of Calcium Phosphate Nanoparticles,Biomedical Engineering - .Applications, Basis and Communications, 26(5):-,2014 10 14

Faghihi, F., Eslaminejad, M.B.,The effect of nano-scale topography on osteogenic .88

differentiation of mesenchymal stem cells,Biomedical Papers,,2014

Eslaminejad, M.B., Fallah, N.,Small molecule-BIO accelerates and enhances marrow-derived .89

.mesenchymal stem cell in vitro chondrogenesis,Iranian Journal of Medical Sciences,,2014

Eslaminejad, M.B., Bordbar, S., Nazarian, H.,Odontogenic differentiation of dental pulp-derived .90

.stem cells on tricalcium phosphate scaffolds,Journal of Dental Sciences,2013 9 1

Khorsand, A., Eslaminejad, M.B., Arabsolghar, M., (...), Nazarian, H., Jahangir, S,Autologous .91

dental pulp stem cells in regeneration of defect created in canine periodontal tissue,Journal of .Oral Implantology,2013 8 1

Nadri, S., Kazemi, B., Eslaminejad, M.B., Yazdani, S., Soleimani, M,High yield of cells .92

committed to the photoreceptor-like cells from conjunctiva mesenchymal stem cells on .nanofibrous scaffolds,Molecular Biology Reports,2013 6 1

Azhdari, M., Baghaban ,& Eslaminejad, M., Baharvand, H., Aghdami, N,Therapeutic potential of .93

human-induced pluripotent stem cell-derived endothelial cells in a bleomycin-induced .scleroderma mouse model,Stem Cell Research,2013 5 1

Nadri, S., Yazdani, S., Arefian, E., (...), Kazemi, B., Soleimani, M.,Mesenchymal stem cells .94

from trabecular meshwork become photoreceptor-like cells on amniotic membrane,Neuroscience .Letters,,2013 4 29

Khojasteh, A., Eslaminejad, M.B., Nazarian, H., (...), Behnia, H., Stevens, M.,Vertical bone .95

augmentation with simultaneous implant placement using particulate mineralized bone and .mesenchymal stem cells: A preliminary study in rabbit,Journal of Oral Implantology,,2013 2 1

Faghihi, F., Baghaban Eslaminejad, M., Nekookar, A., Najar, M., Salekdeh, G.H.,The effect of .96

purmorphamine and sirolimus on osteogenic differentiation of human bone marrow-derived .mesenchymal stem cells,Biomedicine and Pharmacotherapy,,2013 2 1

Chondrogenic differentiation of human bone marrow , derived mesenchymal stem cells .97

treated by GSK , 3 inhibitors,Chondrogenic differentiation of human bone marrow-derived .mesenchymal stem cells treated by GSK-3 inhibitors,Histochemistry and Cell Biology,2013 12 1

Bagheri, F., Safarian, S., Eslaminejad, M.B., Sheibani, N,SiRNA-mediated knock-down of DFF45 .98

.amplifies doxorubicin therapeutic effects in breast cancer cells,Cellular Oncology,2013 12 1

- Eslaminejad, M.B., Fani, N., Shahhoseini, M., Epigenetic regulation of osteogenic and .99  
 .chondrogenic differentiation of mesenchymal stem cells in culture, Cell Journal, 2013
- Eslaminejad, M.B., Bordbar, S., Isolation and characterization of the progenitor cells from the .100  
 blastema tissue formed at experimentally-created rabbit ear hole, Iranian Journal of Basic  
 .Medical Sciences, 2013
- Izadi, M., Jazayeri, A., Baghban Khodayari, S., (...), Jonaidi, N., Alizadeh, A.M., A novel model .101  
 .of inducing chronic osteomyelitis in rabbits, Journal of Military Medicine, 2013
- Emadedin, M., Aghdami, N., Taghiyar, L., (...), Farjad, R., Eslaminejad, M.B., Intra-articular .102  
 injection of autologous mesenchymal stem cells in six patients with knee Osteoarthritis, Archives  
 .of Iranian Medicine, 2012 7 1
- Ghasemzadeh , Hasankolai, M., Batavani, R., Eslaminejad, M.B., Sedighi , Gilani, M., Effect of .103  
 zinc ions on differentiation of bone marrow-derived mesenchymal stem cells to male germ cells  
 and some germ cell-specific gene expression in rams, Biological Trace Element Research, 2012  
 .12 1
- Eslaminejad, M.B., Jahangir, S., Amniotic fluid stem cells and their application in cell-based .104  
 .tissue regeneration, International Journal of Fertility and Sterility, 2012 10 1
- Zomorodian, E., Baghaban Eslaminejad, M., Mesenchymal stem cells as a potent cell source .105  
 .for bone regeneration, Stem Cells International, ; 2012
- Karamzadeh, R., Eslaminejad, M.B., Aflatoonian, R., Isolation, characterization and .106  
 comparative differentiation of human dental pulp stem cells derived from permanent teeth by  
 .using two different methods, Journal of visualized experiments : JoVE, 2012
- Karamzadeh, R., Eslaminejad, M.B., Aflatoonian, R., Isolation, characterization and .107  
 comparative differentiation of human dental pulp stem cells derived from permanent teeth by  
 .using two different methods, Journal of Visualized Experiments, 2012
- Farrokhi, A., Eslaminejad, M.B., Nazarian, H., (...), Samadian, A., Akhlaghi, A., Appropriate .108  
 reference gene selection for real-time PCR data normalization during rat mesenchymal stem cell  
 .differentiation, Cellular and molecular biology (Noisy-le-Grand, France), 2012
- Hafezi ,& Ardakani, M., Kavian, F., Moztarzadeh, F., (...), Zamanian, A., Bagheri, F., Poly(lactic- .109  
 co-glycolic) / Nanostructured Merwinite Porous composites For Bone Tissue Engineering. I.  
 .Preparation and Morphology, Key Engineering Materials, 2012
- Karimi, T., Eslaminejad, M.B., Aminlari, M., Shahverdi, A., Bahmanpour, S., Study of .110  
 telomerase activity, proliferation and differentiation characteristics in umbilical cord blood  
 .mesenchymal stem cells, Iranian Journal of Veterinary Research, 2012
- Eslaminejad, M.B., Mesenchymal stem cell in-vitro bone differentiation and its .111  
 .applications, Mesenchymal Stem Cells, 2012
- Eslaminejad, M.B., Mardpour, S., Ebrahimi, M., Mesenchymal stem cells derived from rat .112  
 .epicardial versus epididymal adipose tissue, Iranian Journal of Basic Medical Sciences, 2011 1 1
- Khoshchreh, R., Ebrahimi, M., Baghban Eslaminejad, M., Aghdami, N., Baharvand, H., In- .113  
 vitro potential of human bone marrow and umbilical cord vein mesenchymal stem cells to  
 .differentiate into insulin producing cells, Iranian Journal of Endocrinology and Metabolism, 2011
- Eslaminejad, M.B., Nazarian, H., Shariati, M., Vahabi, S., Falahi, F., Isolation and in vitro .114  
 characterization of mesenchymal stem cells derived from the pulp tissue of human third molar  
 .tooth, Iranian Journal of Medical Sciences, 2010 9 1
- Piltan, A., Totonchi, M., Rezazadeh, M., (...), Eslaminejad, M.B., Yazdi, P.E., Quantitative .115  
 expression of BAG1, BAX and BCL-2 genes in human embryos with different fragmentation  
 .grades derived from ART, Yakhteh, 2010 6 1
- Mirakhori, F., Tafreshi, A.P., Shirmohamadian, A., (...), Hossein, G., Zeynali, B., Mechanism of .116  
 .lithium's effect on follicular development of the rat ovary, Yakhteh, 2010 6 1
- Zandi, M., Mirzadeh, H., Mayer, C., (...), Bagheri, F., Mivehchi, H., Biocompatibility evaluation .117  
 of nano-rod hydroxyapatite/gelatin coated with nano-HAp as a novel scaffold using



- .mesenchymal stem cells,Journal of Biomedical Materials Research - Part A,2010 3 15
- Baghaban Eslaminejad, M.R., Jahangir, Sh., Aghdami, N.,Comparison of proliferation, .118  
senescence and differentiation into skeletal cell lineages of murine bone marrow-derived and  
.amniotic fluid mesenchymal stem cells,Iranian Red Crescent Medical Journal,2010 11 1
- Eslaminejad, M.B., Bagheri, F., Zandi, M., (...), Zomorodian, E., Mivehchi, H,Comparison of .119  
proliferation and osteoblast differentiation of marrow-derived mesenchymal stem cells on nano-  
.and micro-hydroxyapatite contained composite scaffolds,Iranian Journal of Biotechnology,,2010
- Eslaminejad, M.B., Nadri, S.,Murine mesenchymal stem cell isolated and expanded in low .120  
and high density culture system: Surface antigen expression and osteogenic culture  
.mineralization,In Vitro Cellular and Developmental Biology - Animal,,2009 9 1
- Eslaminejad, M.B., Bagheri, F,Tissue engineering approach for reconstructing bone defects .121  
.using mesenchymal stem cells,Yakhteh,2009 9 1
- Eslaminejad, M.B., Mirzadeh, H., Nickmahzar, A., Mohamadi, Y., Mivehchi, H.,Type I collagen .122  
gel in seeding medium improves murine mesenchymal stem cell loading onto the scaffold,  
increases their subsequent proliferation, and enhances culture mineralization,Journal of  
.Biomedical Materials Research - Part B Applied Biomaterials,2009 8 1
- Eslaminejad, M.B., Taghiyar, L., Falahi, F.,Quantitative analysis of the proliferation and .123  
differentiation of rat articular chondrocytes in alginate 3D culture,Iranian Biomedical  
.Journal,2009 7 1
- Eslaminejad, M.B., Rouhi, L., Arabnajafi, M., Baharvand, H.,Rat marrow-derived mesenchymal .124  
stem cells developed in a medium supplemented with the autologous versus bovine serum,Cell  
.Biology International,2009 5 1
- Nejati, E., Firouzdar, V., Eslaminejad, M.B., Bagheri, F.,Needle-like nano .125  
hydroxyapatite/poly(L-lactide acid) composite scaffold for bone tissue engineering  
.application,Materials Science and Engineering C,2009 4 30
- Eslaminejad, M.B., Salami, F., Mehranjani, M.S., Abnoosi, M.H., Eftekhari ,& Yazdi, .126  
P.,Bromindirubin-3-Oxime treatment enhances the in vitro proliferation and viability of rat  
.marrow-derived mesenchymal stem cells,Physiology and Pharmacology,2009 3 1
- Eslaminejad, M.B., Salami, F., Mehranjani, M.S., Abnoosi, M.H., Eftekhari ,& Yazdi, P.,BIO .127  
treatment protects rat marrow-derived mesenchymal stem cell culture against the TNF-alpha  
.induced apoptosis,Yakhteh,2009 3 1
- Baghaban Eslaminejad, M.R., Taghiyar, L., Dehghan, M.M., Falahi, F., Kazemi Mehrjerdi, .128  
H.,Equine marrow-derived mesenchymal stem cells: Isolation, differentiation and culture  
.optimization,Iranian Journal of Veterinary Research,2009
- Baghaban Eslaminejad, M.R., Nazarian, H., Shariati, M., Vahabi, S,Human dental pulp stem .129  
cells: The culture optimization for increased growth,International Journal of Hematology-  
.Oncology and Stem Cell Research,,2009
- Khojasteh, A., Eslaminejad, M.B., Nazarian, H.,Mesenchymal stem cells enhance bone .130  
regeneration in rat calvarial critical size defects more than platelete-rich plasma,Oral Surgery,  
.Oral Medicine, Oral Pathology, Oral Radiology and Endodontology,2008 9 1
- Eslaminejad, M.B., Jafarian, M., Khojasteh, A., (...), Dehghan, M.M., Hassanizadeh, R,In vivo .131  
bone formation by canine mesenchymal stem cells loaded onto HA/TCP scaffolds: Qualitative  
.and quantitative analysis,Yakhteh,2008 9 1
- Kermani, S., Karbalaie, K., Madani, S.H., (...), Nasr ,& Esfahani, M.H., Baharvand, H,Effect of .132  
lead on proliferation and neural differentiation of mouse bone marrow-mesenchymal stem  
.cells,Toxicology in Vitro,2008 6 1
- Jafarian, M., Eslaminejad, M.B., Khojasteh, A., (...), Hassanizadeh, R., Houshmand, .133  
B,Marrow-derived mesenchymal stem cells-directed bone regeneration in the dog mandible: a  
comparison between biphasic calcium phosphate and natural bone mineral,Oral Surgery, Oral  
.Medicine, Oral Pathology, Oral Radiology and Endodontology,2008 5 1

- Eslaminejad, M.B., Talkhabi, M., Zeynali, B, Effect of lithium chloride on proliferation and bone differentiation of rat marrow-derived mesenchymal stem cells in culture, Iranian Journal of Basic Medical Sciences,,2008 10 1 .134
- Alipour, H., Eftekhari, & Yazdi, P., Rastgarnia, A., Eslaminejad, M.B., Akbarpour, M, Effect of LH treated ovine oviductal epithelial cell co-culture system on murine pre-embryo development, International Journal of Fertility and Sterility, 2008 .135
- Eslaminejad, M.B., Yazdi, P.E, Mesenchymal stem cells: In vitro differentiation among bone and cartilage cell lineages, Yakhteh, 2007 9 1 .136
- Eslaminejad, M.B., Valojerdi, M.R., Ashtiani, S.K., Eftekhari, & Yazdi, P, Light and electron microscopic study of epithelial cells from the human oviduct and uterus subcultured on extracellular matrix gel, Journal of Reproductive Medicine for the Obstetrician and Gynecologist, 2007 6 1 .137
- Eslaminejad, M.B., Nadri, S., Hosseini, R.H., Expression of Thy 1.2 surface antigen increases significantly during the murine mesenchymal stem cells cultivation period, Development Growth and Differentiation, 2007 4 30 .138
- Baghban Eslaminejad, M.R., Nikmahzar, A., Taghiyar, L., (...), Farokhi, A., Eftekhary Yazdi, P, Osteogenic, chondrogenic and adipogenic potentials of canine marrow-derived mesenchymal stem cells, Yakhteh,, 2007 3 1 .139
- Eslaminejad, M.B., Mirzadeh, H., Mohamadi, Y., Nickmahzar, A., Bone differentiation of marrow-derived mesenchymal stem cells using beta-tricalcium phosphate-alginate-gelatin hybrid scaffolds, Journal of Tissue Engineering and Regenerative Medicine, 2007 10 1 .140
- Eslaminejad, M.B., Nikmahzar, A., Yazdi, P.E., Piryaee, A., The structure of human mesenchymal stem cells differentiated into cartilage in micromass culture system, Yakhteh, 2006 9 1 .141
- Eslaminejad, M.B., Nikmahzar, A., Taghiyar, L., Nadri, S., Massumi, M, Murine mesenchymal stem cells isolated by low density primary culture system, Development Growth and Differentiation, 2006 8 1 .142
- Eslaminejad, M.R.B., Valojerdi, M.R., Yazdi, P.E., Computerized three-dimensional reconstruction of cartilage canals in chick tibial chondroepiphysis, Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia,, 2006 8 1 .143
- Eftekhari, & Yazdi, P., Valojerdi, M.R., Ashtiani, S.K., Eslaminejad, M.B., Karimian, L, Effect of fragment removal on blastocyst formation and quality of human embryos, Reproductive BioMedicine Online,, 2006 12 1 .144
- Eslaminejad, M.B., Fathi, F., Yazdi, P.E., Asehara, T., Murine adherent CD34 + cell population expanded by single cell cloning, Yakhteh, 2006 12 1 .145
- Eslaminejad, M.B., Taghiyar, L., Gharezi, A., Piriai, A., Micromass culture for cartilage differentiation, Yakhteh, 2006 12 1 .146
- Eslami Nejad, M.R.B., Valojerdi, M.R., Ashtiani, S.K, A comparison of polarized and non-polarized human endometrial monolayer culture systems on murine embryo development, Journal of Experimental and Clinical Assisted Reproduction, 2005 4 19 .147
- Bagheban Eslami Nejad, M.R., Rezazadeh, M., Kazemy Ashtiani, S., Eftekhary, P., Effect of polarized human uterine epithelial cells on mouse embryo development and blastocyst cellularity, Yakhteh, 2005 3 1 .148
- Esmaeili, A., Hosseini, S., Baghaban Eslaminejad, M, Co-culture engineering: a promising strategy for production of engineered extracellular vesicle for osteoarthritis treatment, Cell (Communication and Signaling), (2024 12 1 .149
- Deymeh, S.M., 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, Biotechnology Letters, (2023 9 1 .150
- Baei, P., Daemi, H., Aramesh, F., Baharvand, H., Eslaminejad, M.B., Advances in mechanically .151

robust and biomimetic polysaccharide-based constructs for cartilage tissue  
engineering, *Carbohydrate Polymers*, (2023 5 15  
Tayebi, B., Molazem, M., Babaahmadi, M., (...), Hassani, S. , N., Hajizadeh , Saffar, .152  
E., Comparison of Ultrasound-Guided Percutaneous and Open Surgery Approaches in The Animal  
(Model of Tumor Necrosis Factor-Alpha-Induced Disc Degeneration, *Cell Journal*, (2023 5 1  
Dehghan , Niri, M., Vasheghani , Farahani, E., Eslaminejad, M.B., Tavakol, M., Bagheri, .153  
F., Preparation of gum tragacanth/poly (vinyl alcohol)/halloysite hydrogel using electron beam  
(irradiation with potential for bone tissue engineering, *Carbohydrate Polymers*, (2023 4 1  
Ghafari, F., Karbasi, S., Eslaminejad, M.B., Investigating of physical, mechanical, and .154  
biological properties of polyhydroxybutyrate-keratin/alumina electrospun scaffold utilized in bone  
(tissue engineering, *Materials Chemistry and Physics*, (2023 3 1  
Ghorbaninejad, M., Khademi, & Shirvan, M., Hosseini, S., (...), Shahhoseini, M., Baghaban .155  
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, *Biochimica et Biophysica Acta - Gene Regulatory Mechanisms*, (2023 3  
(1  
Ghahri, T., Salehi, Z., Aghajanzpour, S., (...), Jang, H.L., Esfandyari ,& Manesh, .156  
M., Development of osteon-like scaffold-cell construct by quadruple coaxial extrusion-based 3D  
(bioprinting of nanocomposite hydrogel, *Biomaterials Advances*, (2023 2 1  
Babaahmadi, M., Gholipour, N.M., Tayebi, B., (...), Eslaminejad, M.B., Hassani, S. ,& N., Clinical .157  
Evaluation of Collagen-Induced Arthritis in Female Lewis Rats: A Comprehensive Analysis of  
Disease Progression and Severity, Babaahmadi, M., Gholipour, N.M., Tayebi, B., (...), Eslaminejad,  
(M.B., Hassani, S.-N., (2023 12 1  
Babaahmadi, M., Tayebi, B., Gholipour, N.M., (...), Hajizadeh , Saffar, E., Hassani, S. , .158  
N., Rheumatoid arthritis: the old issue, the new therapeutic approach, *Stem Cell Research and  
Therapy*, (2023 12 1  
Higher ratios of chondrocyte to mesenchymal stem cells elevate the therapeutic effects of .159  
extracellular vesicles harvested from chondrocyte/mesenchymal stem cell co- & culture on  
osteoarthritis in a rat model, 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 and Tissue Research*, (2023 10 1  
Strong and bioactive bioinspired biomaterials, next generation of bone adhesives, Strong .160  
and bioactive bioinspired biomaterials, next generation of bone adhesives, *Advances in Colloid  
(and Interface Science*, (2022 7 1  
Shokri, M., Kharaziha, M., Tafti, H.A., Eslaminejad, M.B., Aghdam, R.M., Synergic role of zinc .161  
and gallium doping in hydroxyapatite nanoparticles to improve osteogenesis and antibacterial  
(activity, *Biomaterials Advances*, (2022 3 1  
Esmaili, A., Alini, M., Baghaban Eslaminejad, M., Hosseini, S., Engineering strategies for .162  
customizing extracellular vesicle uptake in a therapeutic context, *Stem Cell Research and  
(Therapy*, (2022 12 1  
Esmaili, A., Hosseini, S., Kamali, A., (...), Shekari, F., Baghaban Eslaminejad, M., Co- .163  
aggregation of MSC/chondrocyte in a dynamic 3D culture elevates the therapeutic effect of  
(secreted extracellular vesicles on osteoarthritis in a rat model, *Scientific Reports*, (2022 12 1  
Tayebi, B., Babaahmadi, M., Pakzad, M., (...), Hassani, S. , N., Hajizadeh , Saffar, E., Standard .164  
toxicity study of clinical-grade allogeneic human bone marrow-derived clonal mesenchymal  
(stromal cells, *Stem Cell Research and Therapy*, (2022 12 1  
Babaahmadi, M., Tayebi, B., Gholipour, N.M., (...), Hajizadeh , Saffar, E., Hassani, S. , .165  
N., Long-term passages of human clonal mesenchymal stromal cells can alleviate the disease in  
the rat model of collagen-induced arthritis resembling early passages of different heterogeneous  
(cells, *Journal of Tissue Engineering and Regenerative Medicine*, (2022 12 1

Nasiri, N., Hosseini, S., Reihani, & Sabet, F., Baghaban Eslaminejad, M., Targeted .166  
mesenchymal stem cell therapy equipped with a cell-tissue nanomatchmaker attenuates  
(osteoarthritis progression, Scientific Reports, (2022 12 1

Moghadam, N.A., Bagheri, F., Eslaminejad, M.B., Chondroitin sulfate modified chitosan .167  
nanoparticles as an efficient and targeted gene delivery vehicle to chondrocytes, Colloids and  
(Surfaces B: Biointerfaces, (2022 11 1

Fallahi, H., Daemi, H., Bagheri, F., Baghaban Eslaminejad, M., A supramolecular injectable .168  
hydrogel based on beta-cyclodextrin-grafted alginate and pluronic-amine loaded with kartogenin  
(for chondrogenic differentiation of mesenchymal stem cells, Biomedical Materials, (2022 11 1

Deymeh, S.M., Hashemi, Najafabadi, S., Baghaban, Eslaminejad, M., Bagheri, F., Use of .169  
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, (2022 10 1

Haghwerdi, F., Khozaei Ravari, M., Taghiyar, L., (...), Haririan, I., Baghaban Eslaminejad, .170  
M., Application of bone and cartilage extracellular matrices in articular cartilage  
(regeneration, Biomedical Materials (Bristol, (2021 7 1

Ravari, M.K., Mashayekhan, S., Zarei, F., (...), Taghiyar, L., Eslaminejad, M.B., Fabrication and .171  
characterization of an injectable reinforced composite scaffold for cartilage tissue engineering:  
(An in vitro study, Biomedical Materials (Bristol), (2021 7 1

Kamali, A., Oryan, A., Hosseini, S., (...), Eslaminejad, M.B., Baharvand, H., Corrigendum to .172  
"Cannabidiol-loaded microspheres incorporated into osteoconductive scaffold enhance  
mesenchymal stem cell recruitment and regeneration of critical-sized bone defects", Materials  
(Science and Engineering C, (2021 7 1

Khodabandehloo, F., Aflatoonian, R., Zandieh, Z., (...), Nassiri, & Asl, M., Baghaban .173  
Eslaminejad, M., 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 6 1

Samani, F.S., Ebrahimi, M., Zandieh, T., (...), Aghdami, N., Baharvand, H., Erratum: In vitro .174  
differentiation of human umbilical cord blood CD133+ cells into insulin producing cells in co-  
culture with rat pancreatic mesenchymal stem cells (Cell Journal, Cell Journal, (2021 4 1

Seddighian, A., Ganji, F., Baghaban, & Eslaminejad, M., Bagheri, F., Electrospun PCL scaffold .175  
modified with chitosan nanoparticles for enhanced bone regeneration, Progress in  
(Biomaterials, (2021 3 1

Bijarchian, F., Taghiyar, L., Azhdari, Z., Eslaminejad, M.B., M2c Macrophages enhance .176  
phalange regeneration of amputated mice digits in an organ co-culture system, Iranian Journal of  
(Basic Medical Sciences, (2021 11 1

Oryan, A., Eslaminejad, M.B., Kamali, A., (...), Moshiri, A., Baharvand, H., Retraction Note to: .177  
Mesenchymal stem cells seeded onto tissue-engineered osteoinductive scaffolds enhance the  
healing process of critical-sized radial bone defects in rat, Cell and Tissue Research, (2021 10 1

Esmaili, A., Hosseini, S., Baghaban Eslaminejad, M., Engineered-extracellular vesicles as an .178  
optimistic tool for microRNA delivery for osteoarthritis treatment, Cellular and Molecular Life  
(Sciences, (2021 1 1

Mohsenimehr, S., Khani, M.R., Fani, N., (...), Shokri, B., Ghassami, A., Surface modification of .179  
PLA scaffold using radio frequency (RF) nitrogen plasma in tissue engineering  
(application, Surface Topography: Metrology and Properties, (2020 3 1

Khodabandehloo, F., Taleahmad, S., Aflatoonian, R., (...), Nassiri, & Asl, M., Eslaminejad, .180  
M.B., Microarray analysis identification of key pathways and interaction network of differential  
(gene expressions during osteogenic differentiation, Human Genomics, (2020 12 1

Ghorbaninejad, M., Khademi, & Shirvan, M., Hosseini, S., Baghaban Eslaminejad, M., Epidrugs: .181  
novel epigenetic regulators that open a new window for targeting osteoblast differentiation, Stem

.Cell Research and Therapy,(2020 12 1

Jahanmard, F., Baghban Eslaminejad, M., Amani ,& Tehran, M., (...), Croes, M., Amin Yavari, .182  
S,Incorporation of F-MWCNTs into electrospun nanofibers regulates osteogenesis through  
/ (stiffness and nanotopography,Materials Science and Engineering C,,(2020 1 1

Safavi, A.S., Rouhi, G., Haghighipour, N., (...), Eslaminejad, M.B., Sayahpour, F.A,Efficacy of .183  
mechanical vibration in regulating mesenchymal stem cells gene expression,In Vitro Cellular and  
.(Developmental Biology - Animal,(2019 5 15

Vojoudi, E., Ai, J., Eslaminejad, M.B., (...), Kajbafzadeh, A. ,& M., Ebrahimi, S.,A novel .184  
inexpensive method for preparation of silk nanofibers from cocoons,Eurasian Chemical  
.(Communications,,(2019 5 1

Shamekhi, M.A., Mirzadeh, H., Mahdavi, H., (...), Mohebbi ,& Kalhori, D., Baghaban .185  
Eslaminejad, M.,Graphene oxide containing chitosan scaffolds for cartilage tissue  
.(engineering,International Journal of Biological Macromolecules,,(2019 4 15

Basiri, A., Farokhi, M., Azami, M., (...), Baghaban Eslaminejad, M., Ai, J.,A silk .186  
fibroin/decellularized extract of Wharton's jelly hydrogel intended for cartilage tissue  
.(engineering,Progress in Biomaterials,,(2019 3 1

Fekrazad, R., Asefi, S., Eslaminejad, M.B., (...), Bordbar, S., Hamblin, .187  
M.R,Photobiomodulation with single and combination laser wavelengths on bone marrow  
mesenchymal stem cells: proliferation and differentiation to bone or cartilage,Fekrazad, R., Asefi,  
.(S., Eslaminejad, M.B., (...), Bordbar, S., Hamblin, M.R,(2019 2 6

Nouri ,& Felekori, M., Khakbiz, M., Nezafati, N., Mohammadi, J., Eslaminejad, .188  
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 2 25

Ghasemzadeh , Hasankolaei, M., Sayahpour, F.A., Ghasemzadeh , Hasankolaei, M., .189  
Ghorbanian, M.T., Eslaminejad,..,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,Biologia,,(2019 12 1

Jahangir, S., Hosseini, S., Mostafaei, F., Sayahpour, F.A., Baghaban Eslaminejad, M.,3D- .190  
porous beta-tricalcium phosphate-alginate-gelatin scaffold with DMOG delivery promotes  
angiogenesis and bone formation in rat calvarial defects,Journal of Materials Science: Materials  
.(in Medicine,(2019 1 1

Hosseini, S., Naderi ,& Manesh, H., Vali, H., (...), Sheibani, S., Faghihi, S,Contribution of .191  
osteocalcin-mimetic peptide enhances osteogenic activity and extracellular matrix mineralization  
.(of human osteoblast-like cells,Colloids and Surfaces B: Biointerfaces,,(2019 1 1

Khalilifar, M.A., Eslaminejad, M.B., Ghasemzadeh, M., Hosseini, S., Baharvand, H,In vitro and .192  
in vivo comparison of different types of rabbit mesenchymal stem cells for cartilage repair,Cell  
.(Journal,(2018 7 1

Adibfar, A., Amoabediny, G., Baghaban Eslaminejad, M., (...), Bagheri, F., Zandieh Doulabi, .193  
B.,VEGF delivery by smart polymeric PNIPAM nanoparticles affects both osteogenic and  
angiogenic capacities of human bone marrow stem cells,Materials Science and Engineering  
.(C,(2018 12 1

Nasrabadi, D., Rezaeiani, S., Sayadmanesh, A., Eslaminejad, M.B., Shabani, A.,Inclusion body .194  
expression and refolding of recombinant bone morphogenetic Protein-2,Avicenna Journal of  
.(Medical Biotechnology,(2018 12 1

Taghiyar, L., Hesarakhi, M., Sayahpour, F.A., (...), Aghdami, N., Eslaminejad, M.B,Msh .195  
homeobox 1 (Msx1)- and Msx2-overexpressing bone marrow-derived mesenchymal stem cells  
resemble blastema cells and enhance regeneration in mice,Journal of Biological Chemistry,(2017  
.(6 23

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- nanotechnology, and nanostructures on oral bone healing, modeling, and remodeling, *Nanostructures for Oral Medicine*, (2017 4 14 Shamekhi, M.A., Mahdavi, H., Mirzadeh, H., (...), Mohebbi, & Kalhori, D., Eslaminejad, M.B., Platelet-Rich Plasma Incorporated Nanostructures for Tissue Engineering Applications, *Multifunctional Systems for Combined Delivery, Biosensing and Diagnostics*, (2017 1 1).
- Omidvar, N., Ganji, F., Eslaminejad, M.B., In vitro osteogenic induction of human marrow-derived mesenchymal stem cells by PCL fibrous scaffolds containing dexamethazone-loaded (chitosan microspheres), *Journal of Biomedical Materials Research - Part A*, (2016 7 1).
- Fekrazad, R., Eslaminejad, M.B., Shayan, A.M., (...), Sepehr Pedram, M., Ghuchani, M.S., Effects of Photobiomodulation and Mesenchymal Stem Cells on Articular Cartilage Defects in a Rabbit Model, *Photomedicine and Laser Surgery*, (2016 11 1).
- Alizadeh, E., Akbarzadeh, A., Eslaminejad, M.B., (...), 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, *Chemical Biology and Drug Design*, (2015 8 21).
- In vitro differentiation of human umbilical cord blood CD133+ cells into insulin producing cells in co-culture with rat pancreatic mesenchymal stem cells, *In vitro differentiation of human umbilical cord blood CD133+ cells into insulin producing cells in co-culture with rat pancreatic mesenchymal stem cells*, *Cell Journal*, (2015 6 1).
- Zamiri, B., Shahidi, S., Eslaminejad, M.B., (...), Mardpour, S., Aghdami, N., Reconstruction of human mandibular continuity defects with allogenic scaffold and autologous marrow (mesenchymal stem cells), *Journal of Craniofacial Surgery*, (2013 7 1).
- Nadri, S., Kazemi, B., Eslaminejad, M.B., Yazdani, S., Soleimani, M., Erratum: High yield of cells committed to the photoreceptor-like cells from conjunctiva mesenchymal stem cells on nanofibrous scaffolds (*Molecular Biology Reports* (2013) 40 (3883-3890) DOI: (10.1007/s11033-012-2360-y), *Molecular Biology Reports*, (2013 7 1).
- Eslaminejad, M.B., Karimi, N., Shahhoseini, M., Enhancement of glycosaminoglycan-rich matrix production in human marrow-derived mesenchymal stem cell chondrogenic culture by (lithium chloride and SB216763 treatment), *Cell Journal*, (2011 6 1).
- Eslaminejad, M.B., Jahangir, S., Aghdami, N., Mesenchymal stem cells from murine amniotic fluid as a model for preclinical investigation, *Archives of Iranian Medicine*, (2011 3 1).
- Eslaminejad, M.B., Bagheri, F., Zandi, M., Nejati, E., Zomorodian, E., Study of mesenchymal stem cell proliferation and bone differentiation on composite scaffolds of PLLA and nano (hydroxyapatite with different morphologies), *Yakhteh*, (2011 12 1).
- Ghahramanpoor, M.K., Najafabadi, S.A.H., Abdouss, M., Bagheri, F., Eslaminejad, M.B., A hydrophobically-modified alginate gel system: Utility in the repair of articular cartilage defects, *Journal of Materials Science: Materials in Medicine*, (2011 10 1).
- Eslaminejad, M.B., Taghiyar, L., Study of the structure of canine mesenchymal stem cell osteogenic culture, *Journal of Veterinary Medicine Series C: Anatomia Histologia (Embryologia)*, (2010 10 1).
- Eslaminejad, M.B., 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*, (2008 3 1).

## کتابها

۱. سلول های بنیادی بافتی
۲. Cartilage: from Biology to Biofabrication
۳. سلول های بنیادی مزانشیمی، مهندسی بافت غضروفی و طب ترمیمی

