



نام و نام خانوادگی	احسان سیدجعفری اولیائی نژاد
مرتبه علمی	دانشیار
آدرس محل کار	تهران - دانشگاه تهران پردیس علوم - گروه بیوتکنولوژی
تلفن	---
فکس	---
پست الکترونیک	seyedjafari@ut.ac.ir
آدرس وب سایت	---

تحصیلات

1) دکتری, 1389, بیوتکنولوژی, دانشگاه تهران

مقالات چاپ شده در نشریات بین المللی

- 1) Iman Shabani , Vahid Haddadi Asl , Ehsan Seyedjafari Oliaeenejad, F Babaeijandaghi , and Masoud Soleimani . "Improved infiltration of stem cells on electrospun nanofibers." BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS 382, no. 1 (2009): 129-133.
- 2) Sa Ahmad Ramazani , Seyyed Abbas Mousavi , Ehsan Seyedjafari Oliaeenejad, Reza Poursalehi , Shohreh Sareh , Kaveh Silakhori , Ali Akbar Poorfatollah , and Amir Nasser Shamkhali . "Polycarbonate surface cells adhesion examination after Nd : YAG laser irradiation." MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS 29, no. 4 (2009): 1491-1497.
- 3) Naser Ahmadbeigi , Abbas Shafiee , Ehsan Seyedjafari Oliaeenejad, Yousof Gheisari , Mohammad Vasei , S Amanpour , S Amini , Iman Bagherizadeh , and Masoud Soleimani . "Early spontaneous immortalization and loss of plasticity of rabbit bone marrow mesenchymal stem cells." CELL PROLIFERATION 44, no. 1 (2010): 67-74.
- 4) Ahmadbeigi N , Ehsan Seyedjafari Oliaeenejad, Y Gheisari , Amir Atashi , A Omidkhoda , and Masoud Soleimani . "Surface expression of CXCR4 in unrestricted somatic stem cells and its regulation by growth factors." CELL BIOLOGY INTERNATIONAL 34, no. 7 (2010): 687-692.
- 5) Farshad Babaeijandaghi , Iman Shabani , Ehsan Seyedjafari Oliaeenejad, Zahra Safaei Naraghi , Mohammad Vasei , Vahid Haddadi Asl , Kambiz Kamyab Hesari , and Masoud Soleimani . "Accelerated epidermal regeneration and improved dermal reconstruction achieved by polyethersulfone nanofibers." Tissue Engineering Part A 16, no. 11 (2010): 3527-336.
- 6) Abbas Shafiee , Ehsan Seyedjafari Oliaeenejad, Masoud Soleimani , Naser Ahmadbeigi , Peyman Dinarvand , and Naser Ghaemi. "A comparison between osteogenic differentiation of human unrestricted somatic stem cells and mesenchymal stem cells from bone marrow and adipose tissue." BIOTECHNOLOGY LETTERS 33, no. 6 (2011): 1257-1264.
- 7) Abbas Shafiee , Masoud Soleimani , Gholamreza Abedi Chamheidari , Ehsan Seyedjafari Oliaeenejad, Masumeh Dodel , Amir Atashi , and Yousof Gheisari . "Electrospun nanofiber - based regeneration of cartilage enhanced by mesenchymal stem cells." JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 99, no. 3 (2011): 467-478.
- 8) Iman Shabani , Vahid Haddadi Asl , Masoud Soleimani , Ehsan Seyedjafari Oliaeenejad, Farshad Babaeijandaghi , and Naser Ahmadbeigi . "Enhanced infiltration and biomineralization of stem cells on collagen - grafted three - dimensional nanofibers." Tissue Engineering Part A 17, no. --- (2011): 1209-1218.
- 9) P Dinarvand , Ehsan Seyedjafari Oliaeenejad, Abbas Shafiee , Ababaei Jandaghi , Ali Doostmohammadi , Mh Fathi , S Farhadian , and Masoud Soleimani . "New approach to bone tissue engineering : simultaneous application of hydroxyapatite and bioactive glass coated on a poly (L - lactic acid) scaffold." ACS Applied Materials & Interfaces 3, no. 11 (2011): 4518-4524.
- 10) Peyman Dinarvand , Seyed Mahmoud Hashemi , Ehsan Seyedjafari Oliaeenejad, Iman Shabani , Abdollah Mohammadi Sangcheshmeh , Shirin Farhadian , and Masoud Soleimani . "Function of Poly (lactic - co - glycolic acid) Nanofiber in Reduction of Adhesion Bands." JOURNAL OF SURGICAL RESEARCH 172, no. 1 (2012): 1-9.

- 11) Iman Shabani , Vahid Haddadi Asl , Ehsan Seyedjafari Oliaeenejad, and Masoud Soleimani . "Cellular infiltration on nanofibrous scaffolds using a modified electrospinning technique." *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS* 423, no. 1 (2012): 50-54.
- 12) , , Ehsan Seyedjafari Oliaeenejad , Arash Jalali, Parisa Sanaei-rad, Babak Dinarvand, and . "Novel approach to reduce postsurgical adhesions to a minimum: Administration of losartan plus atorvastatin intraperitoneally." *JOURNAL OF SURGICAL RESEARCH* 181, no. 1 (2013): 91-98.
- 13) Meghdad Yeganeh, Ehsan Seyedjafari Oliaeenejad, Farnaz Akbari Kamrani, and Naser Ghaemi. "RNA-binding protein Rbm47 binds to Nanog in mouse embryonic stem cells." *MOLECULAR BIOLOGY REPORTS* 40, no. 7 (2013): 4391-4396.
- 14) Omid Gholam Alamdari, Ehsan Seyedjafari Oliaeenejad, Masoud Soleimani , and Naser Ghaemi. "Micropatterning of ECM Proteins on Glass Substrates to Regulate Cell Attachment and Proliferation." *AVICENNA JOURNAL OF MEDICAL BIOTECHNOLOGY* 5, no. 4 (2013): 234.
- 15) Abdolreza Ardeshirylajimi, Peyman Dinarvand , Ehsan Seyedjafari Oliaeenejad , Jamshidi Adegani Fatemeh, and Masoud Soleimani . "Enhanced reconstruction of rat calvarial defects achieved by plasma-treated electrospun scaffolds and induced pluripotent stem cells." *CELL AND TISSUE RESEARCH* 354, no. 3 (2013): 849-860.
- 16) Iman Shabani , Vahid Haddadi Asl , Masoud Soleimani , Ehsan Seyedjafari Oliaeenejad, and Seyed Mahmoud Hashemi . " Ion-Exchange Polymer Nanofibers for Enhanced Osteogenic Differentiation of Stem Cells and Ectopic Bone Formation." *ACS Applied Materials & Interfaces* 6, no. 1 (2014): 72-82.
- 17) Neda Daei-farshbaf, Abdolreza Ardeshirylajimi, Ehsan Seyedjafari Oliaeenejad, Abbas Piryaeei, Fatemeh Fathabadi, Mehdi Hedayati, Mohammad Salehi, Masoud Soleimani, Hamid Nazarian, Sadegh Moradi, and Mohsen Norouzian. "Bioceramic-collagen scaffolds loaded with human adipose-tissue derived stem cells for bone tissue engineering." *MOLECULAR BIOLOGY REPORTS* 41, no. 2 (2014): 741-749.
- 18) Fatemeh Jamshidi , Abdolreza Ardeshirylajimi , Masumeh Dodel , Ali Doostmohammadi , Ali Rahimian, Parisa Zohrabi, Ehsan Seyedjafari Oliaeenejad, and Masoud Soleimani . "Coating of electrospun poly(lactic-co-glycolic acid) nanofibers with willemite bioceramic: improvement of bone reconstruction in rat model." *CELL BIOLOGY INTERNATIONAL* 38, no. 11 (2014): 1271-1279.
- 19) , Ehsan Seyedjafari Oliaeenejad, Elham Sadat Taherzadeh, Peyman Dinarvand , Masoud Soleimani , and Jafar Dr.ai. "Enhanced chondrogenesis of human nasal septum derived progenitors on nanofibrous scaffolds." *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS* 40, no. 7 (2014): 445-454.
- 20) Fereshteh Mohammad Ghorbani, Babak Kaffashi , Ehsan Seyedjafari Oliaeenejad, and Abdolreza Ardeshirylajimi. " PCL/chitosan/Zn-doped nHA electrospun nanocomposite scaffold promotes adipose derived stem cells adhesion and proliferation." *CARBOHYDRATE POLYMERS* 118, no. 3 (2014): 133-142.
- 21) Shideh Shaneh, Fatemeh Shokrolahi, Parvin Shokrollahi, Hamid Yeganeh, Ehsan Seyedjafari Oliaeenejad, Abdolreza Ardeshirylajimi, and Hossein Omidian. "Improved immobilization of gelatin on a modified polyurethane urea." *Journal of Bioactive and Compatible Polymers* 30, no. 1 (2014): 57-73.
- 22) Farid Keramati, Ehsan Seyedjafari Oliaeenejad, Parviz Fallah , and Hossein Ghanbarian. "7SK small nuclear RNA inhibits cancer cell proliferation through apoptosis induction." *TUMOR BIOLOGY* 36, no. 4 (2014): 2809-2814.
- 23) A. Ardeshirylajimi, M. Mossahebi - Mohammadi, S. Vakilian, L. Langroudi, Ehsan Seyedjafari Oliaeenejad, A. Atashi, and M. Soleimani. "Comparison of osteogenic differentiation potential of human adult stem cells loaded on bioceramic-coated electrospun poly (L-lactide) nanofibres." *CELL PROLIFERATION* 48, no. 1 (2014): 47-58.
- 24) Abdolreza Ardeshirylajimi , , Fatemeh Jamshidi-adevani, Maryam Mirzaei, Mina Soufi, L Langroudi , Ali Doostmohammadi , Ehsan Seyedjafari Oliaeenejad, and M. Soleimani. " Enhanced osteoconductivity of polyethersulphone nanofibres loaded with bioactive glass nanoparticles in in vitro and in vivo models ." *CELL PROLIFERATION* 48, no. 4 (2015): 455-464.
- 25) Mahbobe Kabiri , , Masoumeh Dodel, Hana Hanaee Ahvaz , Ehsan Seyedjafari Oliaeenejad, Mohamad Salehi, and Masoud Soleimani. " CYTOCOMPATIBILITY OF A CONDUCTIVE NANOFIBROUS CARBON NANOTUBE/POLY (L-LACTIC ACID) COMPOSITE SCAFFOLD INTENDED FOR NERVE TISSUE ENGINEERING." *EXCLI Journal* 14, no. 1 (2015): 851-860.

- 26) Mehdi Hasani Sadrabadi, Sana Pour Hajrezaei, Shahriar Hojjati Emami, Ghasem Bahlakeh, Leila Daneshmandi, Erfan Dashtimoghdam, Ehsan Seyedjafari Oliaeenejad, Karl I.jacob, and Lobat Tayebi. "Enhanced osteogenic differentiation of stem cells via microfluidics synthesized nanoparticles." *Nanomedicine-Nanotechnology Biology and Medicine* 11, no. 7 (2015): 1809-1819.
- 27) Elham Fakhr, Ehsan Seyedjafari Oliaeenejad, and Naser Ahmadbeigi . "Osteogenic Differentiation of Mesenchymal Stem Cells in their Native Niche Like Environment." *International Journal of Stem Cell Research and Transplantation (IJST)* 3, no. 6 (2015): 129-133.
- 28) Abdolreza Ardehshirylajimi, Farjad Rafeie, Ali Zandieh, Ghobad Agari, Abdollah Mohammadi Sangcheshmeh, Rahmat Samei, Abdolkarim Toghdiry, Ehsan Seyedjafari Oliaeenejad, Seyed Mahmoud Hashemi, Mehmet Ulas Cinar, and Edurado L. Gatal. "Fat harvesting site is an important determinant of proliferation and pluripotency of adipose-derived stem cells." *BIOLOGICALS* 44, no. 1 (2016): 12-18.
- 29) R. Ramazanifard, Ehsan Seyedjafari Oliaeenejad, Abdolreza Ardehshirylajimi, and Masod Soleimani. "Biomimetic scaffolds containing nanofibers coated with willemite nanoparticles for improvement of stem cell osteogenesis." *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS* 1, no. 1 (2016): 1.
- 30) Yousof Gheisari , Mohammad Vasei , , Ehsan Seyedjafari Oliaeenejad, Azadeh Omidkhoda, Ladan Langroudi, and Naser Ahmadbeigi . "A Three-Dimensional Scaffold-Based System for Modeling the Bone Marrow Tissue." *STEM CELLS AND DEVELOPMENT* 25, no. 6 (2016): 492-498.
- 31) Fatemeh Jamshidi, Ehsan Seyedjafari Oliaeenejad, Nematollah Gheibi, , and Mehdi Sahmani. "Prevention of adhesion bands by ibuprofen-loaded PLGA nanofibers." *BIOTECHNOLOGY PROGRESS* 32, no. 4 (2016): 1-8.
- 32) Hanieh Kavand, , Bahman Zeinali, Ehsan Seyedjafari Oliaeenejad, and Bahareh Abdemami. "Extremely Low Frequency Electromagnetic Field in Mesenchymal Stem Cells Gene Regulation: Chondrogenic Markers Evaluation." *ARTIFICIAL ORGANS* 32, no. 4 (2016): 1-7.
- 33) Sara Amjadian, Ehsan Seyedjafari Oliaeenejad, and Bahman Zeinali. "The synergistic effect of nano-hydroxyapatite and dexamethasone in the fibrous delivery system of gelatin and poly(L-lactide) on the osteogenesis of mesenchymal stem cells." *INTERNATIONAL JOURNAL OF PHARMACEUTICS* 507, no. 1-2 (2016): 1-11.
- 34) Reihaneh Mirhassani, and Ehsan Seyedjafari Oliaeenejad. "Kinetics of infected insect cell osmolytic and enhanced protein release using a modified disruption method." *BIOPROCESS AND BIOSYSTEMS ENGINEERING* 39, no. 9 (2016): 1-7.
- 35) Afsaneh Fazili, Soghra Gholami, Bagher Minaii , Ehsan Seyedjafari Oliaeenejad, and Mahdi Gholami. "In Vivo Differentiation of Mesenchymal Stem Cells into Insulin Producing Cells on Electrospun Poly-L-Lactide Acid Scaffolds Coated with Matricaria chamomilla L. Oil." *Cell Journal* 18, no. 3 (2016): 310-321.
- 36) , Tahereh Jafarzadeh-kashi, Ehsan Seyedjafari Oliaeenejad, and Masoud Soleimani . "Enhancement of stem cell differentiation to osteogenic lineage on hydroxyapatite-coated hybrid PLGA/gelatin nanofiber scaffolds." *BIOLOGICALS* 44, no. 6 (2016): 511-516.
- 37) Banafsheh Tavangar, Shaghayegh Arashteh, Haleh Edalatkhah, Ali Salimi, Ali Doostmohammadi, and Ehsan Seyedjafari Oliaeenejad. "Hardystonite-coated poly(L-lactide) nano-fibrous scaffold and efficient differentiation of adipose-derived mesenchymal stem cells for bone regeneration." *ARTIFICIAL ORGANS* 41, no. 3 (2016): 1-15.
- 38) Mehrdad Piran, Seyed Ehsan Enderami, Mehran Piran, Hadis Soltani Sedeh, Ehsan Seyedjafari Oliaeenejad, and Abdolreza Ardehshirylajimi. "Insulin producing cells generation by overexpression of miR-375 in adipose-derived mesenchymal stem cells from diabetic patients." *BIOLOGICALS* 45, no. 1 (2016): 6.
- 39) Tarlan Eslami, Saeid Vakilian, Ehsan Seyedjafari Oliaeenejad, Abdolreza Ardehshirylajimi, Masoud Soleimani, and Mohammad Salehi. "Primordial germ cell differentiation of nuclear transfer embryonic stem cells using surface modified electroconductive scaffolds." *IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT* 53, no. 2 (2016): 1-10.
- 40) Amir Tavakolizadeh, Mohammad Ahmadian, Mohammad Fathi, , Ehsan Seyedjafari Oliaeenejad, and Abdolreza Ardehshirylajimi. "Investigation of Osteoinductive Effects of Different Compositions of Bioactive Glass Nanoparticles for Bone Tissue Engineering." *ASAIO JOURNAL* 63, no. 4 (2017): 512-517.

- 41) Atefeh Nafary, Ehsan Seyedjafari Oliaeenejad, and Ali Salimi. "Electrospun Poly-L-Lactic Acid Coated with Silicate Bioceramic Nanoparticles Enhance Osteogenic Differentiation of Adipose Tissue Derived Mesenchymal Stem Cells." *Journal of Biomaterials and Tissue Engineering* 7, no. 2 (2017): 91-100.
- 42) Goli-malekabadi Zahra, Mohammad Tafazzoli-shadpour, Ali Tamayol, and Ehsan Seyedjafari Oliaeenejad. "Time dependency of morphological remodeling of endothelial cells in response to substrate stiffness." *BioImpacts* 7, no. 1 (2017): 41-47.
- 43) Gebremariam Birhanu, Hamid Akbari Javar, Ehsan Seyedjafari Oliaeenejad, and Ali Zandi Karimi. "Nanotechnology for delivery of gemcitabine to treat pancreatic cancer." *BIOMEDICINE & PHARMACOTHERAPY* 88, no. 4 (2017): 635-643.
- 44) aytak jouybar, Ehsan Seyedjafari Oliaeenejad, Abdolreza Ardeshirylajimi, Ali Zandi-karimi, Nikta Feizi, mohammad khani, and Iraj Pusti. "Enhanced Skin Regeneration by Herbal Extract-Coated Poly-L-Lactic Acid Nanofibrous Scaffold." *ARTIFICIAL ORGANS* 41, no. 11 (2017): E296-E307.
- 45) banafsheh tavangar, shaghayegh arasteh, haleh edalatkhah, Ali Salimi, ali doostmohammadi, and Ehsan Seyedjafari Oliaeenejad. "Hardystonite-Coated Poly(L-lactide) Nanofibrous Scaffold and Efficient Osteogenic Differentiation of Adipose-Derived Mesenchymal Stem Cells." *ARTIFICIAL ORGANS* 42, no. 11 (2017): E335-E348.
- 46) Shima Tanha, Morteza Rafiee-tehrani, Mohammad Abdollahi, Saeid Vakilian, Zahra Esmaeili, Zahra Safaei-naraghi, Ehsan Seyedjafari Oliaeenejad, and Hamid Akbari Javar. "G-CSF loaded nanofiber/nanoparticle composite coated with collagen promotes wound healing in vivo." *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A* 105, no. 10 (2017): 2830-2842.
- 47) Ehsan Shahrousvand, Mohsen Shahrousvand, Marzieh Ghollasi, Ehsan Seyedjafari Oliaeenejad, Iman Sahen Jouibari, Amir Babaei, and Ali Salimi. "Preparation and evaluation of polyurethane/cellulose nanowhisker bimodal foam nanocomposites for osteogenic differentiation of hMSCs." *CARBOHYDRATE POLYMERS* 171, no. 5 (2017): 281-291.
- 48) Zahra Esmaeili, Samaneh Bayrami, Farid Abedin Dorkoosh, , Ehsan Seyedjafari Oliaeenejad, Seyed Shahrooz Zargarian, and Vahid Haddadi Asl . "Development and characterization of electrosprayed nanoparticles for encapsulation of Curcumin." *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A* 106, no. 1 (2017): 285-292.
- 49) , Mahmud Naderi, mahdi sahmani, Ehsan Seyedjafari Oliaeenejad, Naser Ahmadbeigi, and amir peymani. "Osteoconduction of Unrestricted Somatic Stem Cells on an Electrospun Poly(lactide-Co-Glycolic Acid Scaffold Coated with Nanohydroxyapatite." *CELLS TISSUES ORGANS* 205, no. 1 (2018): 9-19.
- 50) Gebremariam Birhanu, shima tanha, Hamid Akbari, Ehsan Seyedjafari Oliaeenejad, Alireza Zandi Karimi, and Banafsheh Kiani. "Dexamethasone loaded multi-layer poly-l-lactic acid/pluronic P123 composite electrospun nanofiber scaffolds for bone tissue engineering and drug delivery." *PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY* 24, no. 3 (2018): 338-347.
- 51) , Mahmoud Reza Sohrabi, Ehsan Seyedjafari Oliaeenejad, Masoud Soleimani, and Hana Hanaee Ahvaz. "Electrospun composite PLLA/Oyster shell scaffold enhances proliferation and osteogenic differentiation of stem cells." *BIOLOGICALS* 54, no. 7 (2018): 33-38.
- 52) Amane Jannatbabaee, Mohammad Tafazzoli-shadpour, Ehsan Seyedjafari Oliaeenejad, and Nasser Fatouree . "Cytoskeletal remodeling induced by substrate rigidity regulates rheological behaviors in endothelial cells." *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A* 107, no. 1 (2018): 71-80.
- 53) seyed shahrooz zargarian, vahid haddadi-asl, zahra kafrashian, mojdeh azarnia, mohammad masood mirhoseini, and Ehsan Seyedjafari Oliaeenejad. "Surfactant-assisted-water-exposed versus surfactant-aqueous-solution-exposed electrospinning of novel super hydrophilic polycaprolactone based fibers: Analysis of drug release behavior." *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A* 107, no. 3 (2018): 597-609.
- 54) Maryam Atapour, Iman Shabani , and Ehsan Seyedjafari Oliaeenejad. "Surface mineralized hybrid nanofibrous scaffolds based on poly(l-lactide) and alginate enhances osteogenic differentiation of stem cells." *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A* 107, no. 3 (2018): 586-596.
- 55) seyed shahrooz zargarian, vahid haddadi-asl, mojdeh azarnia, zahra kafrashian, and Ehsan Seyedjafari Oliaeenejad. " Surfactant-assisted-water-exposed versus surfactant-aqueous-solution-exposed electrospinning of novel super hydrophilic Polycaprolactone-based fibers: Cell culture studies." *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A* 107, no. 6 (2019): 1204-1212.

- 56) zohre karimi, Ehsan Seyedjafari Oliaeenejad, fateme mahdavi, seyed mahmood hashemi, arash khojasteh, bahram kazemi, and samira mohammadi yeganeh. "Baghdadite nanoparticle-coated poly l-lactic acid (PLLA) ceramics scaffold improved osteogenic differentiation of adipose tissue-derived mesenchymal stem cells." JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 107, no. 6 (2019): 1284-1293.
- 57) roghaieh didekhani, mahmood reza sohrabi, masoud soleimani, Ehsan Seyedjafari Oliaeenejad, and hana hanaee-ahvaz. "Incorporating PCL nanofibers with oyster shell to improve osteogenic differentiation of mesenchymal stem cells." POLYMER BULLETIN 77, no. 2 (2019): 701-715.
- 58) mehdi doosti telgerd, mohammad sadeghinia, gebremariam Birhanu, mohammad porgham daryasari, ali zandi karimi, ali sadeghinia, hamid akbarijavar, mohammad hosein karami, and Ehsan Seyedjafari Oliaeenejad. "Enhanced osteogenic differentiation of mesenchymal stem cells on metal-organic framework based on copper, zinc, and imidazole coated poly l-lactic acid nanofiber scaffolds." JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 107, no. 8 (2019): 1841-1848.
- 59) mehrnaz Amerian, mahshid amerian, mahyar sameti, and Ehsan Seyedjafari Oliaeenejad. "Improvement of PDMS surface biocompatibility is limited by the duration of oxygen plasma treatment." JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 107, no. 12 (2019): 2806-2813.
- 60) mohammad porgham daryasari, mehdi dusti telgard, mohammad hossein karami, Ali Zandi karimi, Mehdi Khoobi, Ehsan Seyedjafari Oliaeenejad, Gebremariam Birhanu, pegah khosravian, and fatemeh sadat mahdavi. "Poly-l-lactic acid scaffold incorporated chitosan-coated mesoporous silica nanoparticles as pH-sensitive composite for enhanced osteogenic differentiation of human adipose tissue stem cells by dexamethasone delivery." Artificial Cells Nanomedicine and Biotechnology 47, no. 1 (2019): 4020-4029.
- 61) zahra mohtashami, Zahra Esmaeili, molood alsadat vakilinezhad, Ehsan Seyedjafari Oliaeenejad, and . "Pharmaceutical implants: classification, limitations and therapeutic applications." PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY 25, no. 1 (2019): 116-132.
- 62) Ramin Fazel, Fereidoun Mahboudi, Ehsan Seyedjafari Oliaeenejad, Soroush Sardari, and Behrouz Vaziri. "Physicochemical Characterization of Altebrel™, a Proposed Etanercept Biosimilar." Iranian Journal of Biotechnology 17, no. 2 (2019): 2470.
- 63) atefeh jannat babaei, Mohammad Tafazoli-shadpour, and Ehsan Seyedjafari Oliaeenejad. "Effects of substrate mechanics on angiogenic capacity and nitric oxide release in human endothelial cells." Annals of the New York Academy of Sciences 1470, no. 1 (2020): 31-43.
- 64) ali golchin, Ehsan Seyedjafari Oliaeenejad, and abdo reza ardeshtyrajimi. "Mesenchymal Stem Cell Therapy for COVID-19: Present or Future." Stem Cell Reviews and Reports 16, no. 3 (2020): 427-433.
- 65) farzad moradikhah, mehdi doosti-telgerd, iman shabani, shima soheili, banafsheh dolatyar, and Ehsan Seyedjafari Oliaeenejad. "Microfluidic fabrication of alendronate-loaded chitosan nanoparticles for enhanced osteogenic differentiation of stem cells." LIFE SCIENCES 254, no. 8 (2020): 117768.
- 66) , davoud jamshidi, mamak adel, and Ehsan Seyedjafari Oliaeenejad. "Electrospun poly(l-lactide) nanofibers coated with mineral trioxide aggregate enhance odontogenic differentiation of dental pulp stem cells." POLYMERS FOR ADVANCED TECHNOLOGIES 32, no. 1 (2020): 402-410.
- 67) Amin Azimi, sheida geydaraian, homa zamani, nastaran taleghani, mohsen dehghani, and Ehsan Seyedjafari Oliaeenejad. "Optimized dose of synthetic analogues of Monophosphoryl lipid A as an effective alternative for formulating recombinant human papillomavirus vaccine." BIOLOGICALS 68, no. 11 (2020): 60-64.
- 68) mojtaba farahani, farzad moradikhah, iman shabani, reza karimi soflou, and Ehsan Seyedjafari Oliaeenejad. "Microfluidic fabrication of berberine-loaded nanoparticles for cancer treatment applications." JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY 61, no. 2 (2021): 102134.
- 69) Fatemeh Gheidari, Ehsan Arefian, fatemeh jamshidi, mohammad reza kalhori, Ehsan Seyedjafari Oliaeenejad, Mahbobe Kabiri, ladan teimoori, and masood soleimani. "miR-424 induces apoptosis in glioblastoma cells and targets AKT1 and RAF1 oncogenes from the ERBB signaling pathway." EUROPEAN JOURNAL OF PHARMACOLOGY 906, no. 9 (2021): 174273.

70) Latifeh Karimzadeh, Ehsan Seyedjafari Oliaeenejad, Ghamartaj Hossein, mohammad nabuni, mohammad hossein majles ara, and jochen salber. "Regeneration of Bone Defects in a Rabbit Femoral Osteonecrosis Model Using 3D-Printed Poly (Epsilon-Caprolactone)/Nanoparticulate Willemite Composite Scaffolds." INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 22, no. 19 (2021): 10332.

مقالات چاپ شده در نشریات داخلی

1) Fatemeh Jamshidi, Ehsan Seyedjafari Oliaeenejad, Nematollah Gheibi, Masoomeh Dodel, Abdollah Mohammadi Sangcheshmeh, Masood Soleimani, and Mehdi Sahmani. "Effect of Poly lactic-co-glycolic acid-Ibuprofen on ICAM-1 and VCAM-1 Expression in a Mice Adhesion Model." *Novelty in Biomedicine* 4, no. 3 (2016): 100-104.

2) yashar rouzbahani, mousa kehtari, mahdi imani, mehrdad saviz, iman shabani, farzad moradikhah, farhad alizadeh, mohammad karami, Ehsan Seyedjafari Oliaeenejad, najmeh jooyan, zahra mostajabi, and Reza Faraji Dana. "Study of Ultra-weak CW and Amplitude-Modulated Microwaves effects on stem Cell Proliferation: an Experimental and Hypothetical Approach." *AUT Journal of electrical Engineering* 52, no. 1 (2020): 3-8.

3) shabnam aghayan, hooman ebrahimi, Ehsan Seyedjafari Oliaeenejad, setareh sadat hashemi, and maryam sheidaeeian. "Effect of 940 nm Diode Laser as Adjunct Treatment to Mechanical Instrumentation on Root Surface Gingival Fibroblast Adhesion in Periodontally Compromised Extracted Teeth : An in vitro Study." *Journal of Dental Materials and Techniques* 9, no. 3 (2020): 123-129.

4) omid moghadas, behdokht miremadi, and Ehsan Seyedjafari Oliaeenejad. "Effect of two commercial acellular dermal scaffolds on biological behavior of human gingival fibroblasts." *Journal of Advanced Periodontology & Implant Dentistry* 12, no. 2 (2020): 85-90.

5) mahsa koochaki, amirreza hendi, mahmoud ghasemi, Ehsan Seyedjafari Oliaeenejad, mehdi hamidian, and nasim chiniforush. "Comparative Evaluation of the Effects of Antimicrobial Photodynamic Therapy With an LED and a Laser on the Proliferation of Human Gingival Fibroblasts on the Root Surface: An In Vitro Study." *Journal of Lasers in Medical Sciences* 12, no. 1 (2021): e47-e47.

6) فرنوش آزادی، مهدی خدایی مطلق، عبدالله محمدی سنگ چشمه و احسان سیدجعفری اولیائی نژاد. "اثر جنسستین بر تکثیر و تمایز سلولهای بنیادی جدا شده از بافت چربی اسب ترکمن به سلولهای استخوانی." *مجله سلول و بافت* 11، 2 (1399): 154-167.

همایش‌های بین‌المللی

1) Ehsan Seyedjafari Oliaeenejad, , and . "Production of a targeted drug delivery system based on Antibody-conjugated nanoparticles loaded with 5-fluorouracil." *World Meeting on Pharmaceutics Biopharmaceutics and Pharmaceutical Technology*, Istanbul.

2) Ehsan Seyedjafari Oliaeenejad, , , , , and . "Poly (L-lactide nanofibers coated with bioactive glass nanoparticles enhance osteogenic differentiation of adipose tissue-derived stem cells." *TERMIS World Congress*, Vienna.

3) Ehsan Seyedjafari Oliaeenejad, Parisa Sanaei, and Masoud Soleimani. "Three-dimensional polyethersulfone nanofibrous scaffolds coated with collagen for liver tissue engineering." *21st Annual Conference of Indian National Association for the Study of Liver (INASL)*, Hyderabad.

4) Zahra Azarmgin, Ehsan Seyedjafari Oliaeenejad, and Bahman Zeinali. "Osteogenesis Induced by Nanofiber Scaffold in Bone Marrow Mesenchymal Stem Cells via Inhibition of Transforming Growth Factor-Beta Signaling Pathway." *Royan International Twin Congress*, Tehran.

5) Ali Doustmohammadi, Sara Nikbakht, and Ehsan Seyedjafari Oliaeenejad. "Fabrication and characterization of bioactive nano composite scaffold for neural tissue engineering." *Asian Nano Forum Conference*, Kish.

6) Mahsa Delyanee, Atefeh Solouk, Somaye Akbari, and Ehsan Seyedjafari Oliaeenejad. "Chondrogenic differentiation of stem cells within scaffold as signaling factor: relevance for cartilage tissue engineering." *Stem cell and regenerative medicine international congress*, Mashhad.

7) Zahra Azarmgin, Bahman Zeinali, and Ehsan Seyedjafari Oliaeenejad. "Electrospun Poly Lactid Scaffold Induces Osteogenesis Through The Inhibition Of Transforming Growth Factor Beta Signaling Pathway Activity." *Stem cell and regenerative medicine international congress*, Mashhad.

8) Maryam Izadpanahi, Ehsan Seyedjafari Oliaeenejad, Ehsan Arefian, and Masod Soleimani. "miRNAs Expression Profile during Osteogenic Differentiation of Human Adipose-Derived Stem Cells Cultured on Aligned Biodegradable Electrospun Nanofibrous Scaffold." Royan International Twin Congress, Tehran.

9) احسان سیدجعفری اولیائی نژاد. "مهندسی بافت و دیدگاه‌های نوین در آن." سومین همایش بین‌المللی دانشجویی بیوتکنولوژی، تهران.

راهنمایی پایان نامه

1) بررسی رشد و تمایز استخوانی سلول‌های بنیادی مزانشیمی مشتق از بافت چربی انسان بر روی داربست‌های پلی‌کاپرولاکتون حاوی کوپلیمری از PEO، علی‌علی پورلاهیجان، دانشگاه تهران، 1394/06/25

2) بیان بهینه پروتئین نوترکیب L1 پاپیلوما ویروس انسانی نوع 16، ریحانه السادت میرحسینی، دانشگاه تهران، 1394/07/11

3) تمایز سلول‌های بنیادی مشتق شده از بافت چربی به استخوان از داربست نانو بیوکامپوزیتی حاوی نشاسته-PRP، سعیده شکرالهی توران پشستی، دانشگاه تهران، 1395/06/27

جوایز و افتخارات (در زمینه‌های مختلف مانند: طرح، مقاله، ...)

1) محقق جوان برگزیده در گروه فناوری‌های نوین جشنواره رازی، ملی، رازی، 1390/10/15

فعالیت‌های اجرایی

1) معاون علمی گروه بیوتکنولوژی، 1390/07/27، 1391/07/27، ایران، تهران

2) مسئول باشگاه دانش‌آموزی ستاد توسعه زیست‌فناوری، 1391/12/28، 1393/12/28، ایران، تهران

3) نماینده و دبیر شورای پژوهش و فناوری گروه بیوتکنولوژی، 1393/12/13، 1394/12/13، ایران، تهران

4) نماینده و دبیر شورای پژوهش و فناوری گروه بیوتکنولوژی، 1395/01/22، 1396/12/14، ایران، تهران

5) سرپرست دفتر استعدادهای درخشان دانشگاه تهران، 1395/12/14، 1398/12/14، ایران، تهران