



[Mostafa, Soleimannejad] Ph.D.

Tissue Engineering

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https://scholar.google.com/citations?user=9zN0EH_a-u4C&hl=en

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EDUCATION

- 2013 - 2017 **PHD in Tissue Engineering**
Tehran University of Medical Sciences, Tehran, Iran
- 2012 – 2013 1th term PHD in Nanotechnology Engineering : Nanomaterials
Isfahan Technology University, Isfahan, Iran
- 2006 – 2008 **MSc in Biomedical Engineering: Biomaterials**
Islamic Azad University- Research and Science Branch, Tehran, Iran

PATENT REGISTRATION CERTIFICATE

- Sep. 2008 **Poly Urethane Elastomeric Thermoplastic Correction by Mono acryl amid Through Radiation with Plasma**
Members: Mostafa Soleimannejad. Mohamad taghi khorasani.
- Sep. 2008 **Growth increase and adherence improvement of fibroblast cells on urethane through performing Acryl amid graft.**
Members: Mostafa Soleimannejad. Mohamad taghi khorasani.
- Nov. 2008 **Poly Urethane Film Protection Process by Casting**
Members: Mostafa Soleimannejad. Mitra Naimi seresht.
- Dec. 2008 **Production process of chemical solution for prevention of silver corrosion and becoming tarnished**
Members: Mahdi Takestani - Mostafa Soleimannejad
- Nov. 2008 **Process of study of Magnesium Hydroxide effect on destruction pattern of co Glycolic Acid Poly Lactic Polymer Films**
Members: Mitra Naimi seresht. Hanie nojeh Dehian. Mostafa Soleimannejad

TEACHING EXPERIENCE

- 2D & 3D cell cultures
- Principles of Organ development and Restoration
- Modern (tissue engineering) systems
- Electrochemistry
- Tissue study methods
- Bases in Immunology and Biology of Transplantation
- Study of animal models
- The principles of commercialization and standards Tissue engineering products
- Cells & tissues & organs bank
- Application of Nanotechnology in Tissue Engineering
- Chemistry and analyses material
- Physical properties and science material
- Strength of materials 2 Lab.
- Strength of materials 1 Lab.
- Mechanical properties lab.
- Metallography lab
- Terminology Language of Medical Equipment
- *Basic Health and Safety at Work*
- Thesis For B.S

PUBLICATIONS

A) CONFERENCE

Mesenchymal stem cells encapsulated in Fibrin gel for retina tissue engineering

Conference: 2nd Iranian Congress on Stem Cells and Regenerative Medicine in Ophthalmology. 2017; (Speech)

Authors: Mostafa Soleimannejad, Jafar Ai, Samad Nadri, Somayeh Ebrahimi-Barough, Masoud Soleimani, Seyed Mohammad Tavangar, Mohammad Riazi- Esfahani, Ramak Roohipoor

Differentiation of conjunctiva mesenchymal stem cells on fibrinogel to photoreceptor-like cells

Conference: 3rd Iranian Congress on Progress in Tissue Engineering and regenerative Medicine. 2016; (Speech)

Authors: Mostafa Soleimannejad, Samad Nadri, Somayeh Ebrahimi-Barough, Masoud Soleimani, Fatemeh Soleimannifar, Seyed Mohammad Tavangar, Mohammad Riazi- Esfahani, Ramak Roohipoor, Jafar Ai

Applying Conjunctiva Mesenchymal Stem Cell as a source of regenerating Corneal Epithelial

Conference: 3rd Iranian Congress on Progress in Tissue Engineering and regenerative Medicine. 2016; (Poster)

Authors: Fatemeh Soleimannifar , Yousef Mortazavi , Masoud Soleimani, Namad Nadry, Mostafa Soleimannejad

The Application of conjunctiva mesenchymal stem cells encapsulated in fibrin gel for retina tissue engineering

Conference: The First National Festival and International Congress on Stem Cell and Regenerative Medicine. 2016; (Poster)

Authors: Mostafa Soleimannejad, Samad Nadri, Somayeh Ebrahimi-Barough, Masoud Soleimani, Seyed Mohammad Tavangar, Mohammad Riazi- Esfahani, Ramak Roohipoor, Jafar Ai

The photoreceptor-like cells differentiation of conjunctiva mesenchymal stem cells on fibrinogen scaffold

Conference: First National Congress on Stem cells and Regenerative in ophthalmology. 2016; (Poster)

Authors: Mostafa Soleimannejad, Jafar Ai, Samad Nadri, Somayeh Ebrahimi-Barough, Masoud Soleimani, Seyed Mohammad Tavangar, Mohammad Riazi- Esfahani, Ramak Roohipoor

Take on ethics and judgment in regenerative medicine and tissue transplantation

Conference: 2nd Iranian Congress on Progress in Tissue Engineering and Regenerative Medicine. 2015; (Speech)

Authors: Mostafa Soleimannejad, Farshid Noorbakhsh, Hamidreza Mirzaei

Polyurethane vascular prosthesis with surface modification by plasma radiation

Conference: 2nd Iranian Congress on Progress in Tissue Engineering and regenerative Medicine. 2015; (Speech)

Authors: Mostafa Soleimannejad, Mohamad Taghi Khorasani, Somayeh Ebrahimi-Barough, Jafar Ai

Preparation of the monomer acrylamide graft polyurethane biomaterials for medical applications.

Conference: 1st National congress on application of biomaterials in regenerative medicine. 2014; (Poster)

Authors: Mostafa Soleimannejad, Mohamad Taghi Khorasani

Growth increase and adherence improvement of fibroblast cells on urethane through performing Acryl amid graft.

Conference: 15th National Conference of Biomedical Engineering. 2008; (Poster)

Authors: Mostafa Soleimannejad, Mohamad Taghi Khorasani

Poly Urethane Elastomeric Thermoplastic Correction by Mono acryl amid Through Radiation with Plasma

Conference: The 10th National Conference on Surface Science and Technology. 2008; (Poster)

Authors: Mostafa Soleimannejad, Mohamad Taghi Khorasani

Influence of Sterilization on the cutting 13 efficiency of rotary nickel titanium files

Conference: 1 th International conference Biomaterial (Tehran). 2006; (Speech)

Authors: Saghiri Mohamad ali, Saghiri ali Mohamad, Soleimannejad Mostafa, Mojaver sheikhan.

Using of nano particle for increase in composites

Conference: The 48th International Seminar Science on Dental. 2005; (Poster)

Authors: Saghiri Mohamad ali, Behnam ghader Ali asghar, Mostafa Soleimannejad, Mojaver Sheikhan

B) JOURNAL PAPERS

Bone Regeneration in Rat using Polycaprolactone/Gelatin/Epinephrine Scaffold

A Ehterami, H Khastar, M Soleimannejad, M Salehi, S Nazarnezhad, ...
Drug Development and Industrial Pharmacy, 1-26

Preparation and in vitro characterization of electrospun scaffolds composed of chitosan, gelatin and 58S bioactive glass nanoparticles for skin tissue engineering

H Nosrati, M Banitalebi-Dehkordi, M Khodaei, E Sharifi, S Asadpour, ...
Journal of Shahrekord University of Medical Sciences 24 (1), 1-6

Retinoic acid and taurine enhance differentiation of the human bone marrow stem cells into cone photoreceptor cells and re

F Forouzanfar, M Soleimannejad, A Soltani, P Sadat Mirsafaei, ...
Journal of Cellular Biochemistry 122 (12), 1915-1924

Isolation and characterization of crab haemolymph exosomes and its effects on breast cancer [cells \(4T1\)](#)

L Rezakhani, M Alizadeh, E Sharifi, M Soleimannejad, A Alizadeh
Cell Journal (Yakhteh) 23 (6), 658

Antiproliferative effects of fresh water crab hemolymph and meat extract on breast cancer cell [line](#)

L Rezakhani, M Alizadeh, E Sharifi, M Soleimannejad, A Alizadeh
Journal of Shahrekord University of Medical Sciences 23 (1), 20-26

Characterization of Macroporous Polycaprolactone/Silk Fibroin/Gelatin/Ascorbic Acid Composite Scaffolds and In Vivo Results in a Rabbit Model for Meniscus ...

Z Abpeikar, L Moradi, M Javdani, S Kargozar, M Soleimannejad, ...
Cartilage 13 (2_suppl), 1583S-1601S

Macroporous scaffold surface modified with biological macromolecules and piroxicam-loaded gelatin nanofibers toward meniscus cartilage repair

Z Abpeikar, M Javdani, SA Mirzaei, A Alizadeh, L Moradi, ...
International Journal of Biological Macromolecules 183, 1327-1345

Evaluating the effects of vacuum on the microstructure and biocompatibility of bovine decellularized pericardium

M Alizadeh, L Rezakhani, M Khodaei, M Soleimannejad, A Alizadeh
Journal of tissue engineering and regenerative medicine 15 (2), 116-128

Preparation and characterization of poly (ethylene oxide)/zinc oxide nanofibrous scaffold for chronic wound healing applications

H Nosrati, M Khodaei, M Banitalebi-Dehkordi, M Alizadeh, S Asadpour, ...
Polymers in Medicine 50 (1), 41-51

Evaluation of vacuum washing in the removal of SDS from decellularized bovine pericardium: method and device description

M Alizadeh, L Rezakhani, M Soleimannejad, E Sharifi, M Anjomshoa, ...
Heliyon 5 (8), e02253

fibrin gel as a scaffold for photoreceptor cells differentiation from conjunctiva mesenchymal stem cells in retina tissue engineering. **Artificial Cells, Nanomedicine and Biotechnology (2017)**

Authors: Mostafa Soleimannejad, Somayeh Ebrahimi-Barough, Masoud Soleimani, Samad Nadri, Seyed Mohammad Tavangar, Ramak Roohipoor, meysam yazdankhah, Neda Bayat, Mohammad Riazi-Esfahani, Jafar Ai

Retina tissue engineering by conjunctiva mesenchymal stem cells encapsulated in fibrin gel: Hypotheses on novel approach to retinal diseases treatment.

Medical Hypotheses (2017)

Authors: Mostafa Soleimannejad, Somayeh Ebrahimi-Barough, Samad Nadri, Mohammad Riazi-Esfahani, Masoud Soleimani, Seyed Mohammad Tavangar, Jafar Ai

Anti-inflammatory Effects of Atorvastatin by Suppressing TRAF3IP2 and IL-17RA in Human Glioblastoma Spheroids Cultured in a Three-dimensional Model: Possible Relevance to Glioblastoma Treatment.

Mol Neurobiol. (2017) Authors: Neda Bayat, Somayeh Ebrahimi-Barough, Abbas Norouzi-Javidan, Hoshang Saberi, Mohammad Mahdi Ardakan, Armin Ai, Mostafa Soleimannejad, Jafar Ai

Surface modification of polyurethane with acrylamide by plasma radiation and its cellular investigations

Biomedical and Pharmacology Journal, Vol. 5 No. 1. (2012)

Authors: Mostafa Soleimannejad Najafabadi and Mohammad Taghi Khorasani

Cell engineering: nanometric grafting of poly-N-isopropylacrylamide onto polystyrene film by different doses of gamma radiation.

Journal: Int J Nanomedicine. 5: 549–556 (2010).

Authors: Esmaeil Biazar, Reza Zeinali, Naser Montazeri, Khalil Pourshamsian, Mahmoud Jabarvand Behrouz, Azadeh Asefnejad, Ahad Khoshzaban, Gholamreza Shahhosseini, Mostafa Soleimannejad Najafabadi,

Tissue engineering For regeneration

Journal: Journal of medicine Engineering Tehran, Iran (in Persian). 2007

Authors: Mostafa Soleimannejad

Regeneration network Nerve on Repair and maintenances

Journal: Journal of medicine Engineering Tehran, Iran (in Persian). 2006

Authors: Mostafa Soleimannejad, Mohamad ali Saghiri.

Tissue Engineering new but shine

Journal: Journal of medicine Engineering Tehran, Iran (in Persian). 2007

Authors: Mostafa Soleimannejad

Poly Urethane Film Protection Process by Casting

Journal: Journal of Islamic Azad University- Research and Science Branch, Tehran, Iran, Polymer Engineering School (in Persian). 2007

Authors: Mostafa Soleimannejad

Tissue Engineering

Journal: Journal of Islamic Azad University- Research and Science Branch, Tehran, Iran, Medical Engineering School (in Persian). 2007

Authors: Mostafa Soleimannejad

Tissue Engineering - Natural polymer

Journal: Journal of Islamic Azad University- Research and Science Branch, Tehran, Iran, Medical Engineering School (in Persian). 2007

Authors: Mostafa Soleimannejad

Glass Ainomer

Journal: Journal of Islamic Azad University- Research and Science Branch, Tehran, Iran, Medical Engineering School (in Persian). 2007

Authors: Mostafa Soleimannejad, Mohamad ali Saghiri

Property Anti Bacterial on the Nano Particle Silver

Journal: Journal of Islamic Azad University- Research and Science Branch, Tehran, Iran, Medical Engineering School (in Persian). 2007

Authors: Mostafa Soleimannejad

RESEARCH INTERESTS

Tissue Engineering

Tissue engineering, Design and Fabrication of Biodegradable Scaffolds, Stem Cells, Environmental Factors, Regenerating of Different Tissues, Bioreactor Design, Retinal tissue engineering, Cell engineering, Microfluidics in tissue engineering

Nano materials

Nanobiomaterial, Nanometric Grafting, Nano Particle, Nano Silver, Using Nano in the biomaterial

Biodegradable Materials

Inject able Biodegradable scaffolds, Biodegradable Hydrogels, Biopolymers, Biodegradable Biocomposites

PERSONAL DATA

- March 10, 1981
- Iranian
- Persian