CURRICULUM VITAE SAEED KARBASI

CONTACT INFORMATION

Deapartment of Biomaterials Nanotechnology and Tissue engineering, School of Advanced Technology in Medicine, Isfahan University of Medical Sciences, Isfahan, Iran Phone: +98 311 7923870 Email: karbasi@med.mui.ac.ir

CURRENT STATUS

Professor of Biomaterials and Tissue Engineering, School of Advanced Technology in Medicine, Isfahan University of Medical Sciences

EDUCATIONAL BACKGROUND

2001 - 2005	PhD in Biomedical Engineering: Biomaterials and Tissue Engineering Amirkabir University of Technology, Tehran, Iran
2004 - 2004	PhD Fellowship in Tissue Engineering: Cartilage Tissue Engineering Oxford University, Oxford, UK
1998 - 2001	MSc in Biomedical Engineering: Biomaterial Amirkabir University of Technology, Tehran, Iran
1994 - 1998	BSc in Material Engineering: Metal Forming Shiraz University, Shiraz, Iran

COURSES TAUGHT

TISSUE ENGINEERING, CELL AND TISSUE ENGNEERING, COMPOSITE BIOMATERIALS, POLYMERIC BIOMATERIALS, SEMINAR, MODELING IN PHYSIOLOGICAL SYSTEMS, SCAFFOLDING IN TISSUE ENGINEERING, ARTIFICIAL MATERIALS PROPERTY, METAL MATERIALS PROPERTY, SOLID MECHANICS, ADVANCED MATERIALS, MATERIALS SELECTION, DRAWING, MECHANICAL PROPERTIES OF MATERIALS,

RESEARCH INTERESTS

Tissue Engineering

Design and Fabrication of Biodegradable Scaffolds, Stem Cells, Environmental Factors, Regenerating of Different Tissues, Bioreactor Design

Biodegradable Materials

Injectable Biodegradable scaffolds, Biodegradable Hydrogels, Biopolymers, Biodegradable Photo-polymerizable Polymers, Biodegradable Biocomposites

Biomaterials

Biocomposites, Bioceramics, Biocompatibility, Hemocompatibility, Sterilization Methods, Dental Materials, Surgical Alloys, porous metals, Surface Treatment of Biomaterials, Orthosis and Prosthesis

Material Science

Advanced materials, Composites, Shape Memory alloys, Selection of Materials

SELECTED PUBLICATIONS

JOURNAL PAPERS

Electrospun halloysite nanotube loaded polyhydroxybutyrate-starch fibers for cartilage tissue engineering

Journal: International Journal of Biological Macromolecules (ISI). 2022;

Authors: Mehdi Movahedi, Saeed Karbasi

Evaluation of the effects of glucosamine sulfate on poly (3-hydroxybutyrate)-chitosan/carbon nanotubes electrospun scaffold for cartilage tissue engineering applications

Journal: Polymer-Plastics Technology and Materials (ISI). 2022;

Authors: Negin Sadat Golshayan, Saeed Karbasi, Elahe Masaeli, Elahe Bahremandi-

Toloue, Mohammad Hossein Nasr-Esfahani, Mohammad Rafienia

Polycaprolactone-chitosan/multi-walled carbon nanotube: A highly strengthened electrospun nanocomposite scaffold for cartilage tissue engineering

Journal: International Journal of Biological Macromolecules (ISI). 2022;

Authors: Mohammad Hossein Mirmusavi, Mehdi Ahmadian, Saeed Karbasi

Recent advances in modification strategies of pre-and post-electrospinning of nanofiber scaffolds in tissue engineering

Journal: Reactive and Functional Polymers (ISI). 2022;

Authors: Zahra Mohammadalizadeh, Elahe Bahremandi-Toloue, Saeed Karbasi

Synthetic-based blended electrospun scaffolds in tissue engineering applications

Journal: Journal of Materials Science (ISI). 2022;

Authors: Zahra Mohammadalizadeh, Elahe Bahremandi-Toloue, Saeed Karbasi

Incorporation of inorganic bioceramics into electrospun scaffolds for tissue engineering applications: A review

Journal: Ceramics International (ISI). 2021;

Authors: Elahe Bahremandi-Toloue, Zahra Mohammadalizadeh, Shayanti Mukherjee, Saeed Karbasi

Evaluation of the effects of starch on polyhydroxybutyrate electrospun scaffolds for bone tissue engineering applications

Journal: International Journal of Biological Macromolecules (ISI). 2021;

Authors: Maryam Abdollahi Asl, **Saeed Karbasi**, Saeed Beigi-Boroujeni, Soheila Zamanlui Benisi, Mahdi Saeed

In vitro bioactivity of baghdadite-coated PCL –graphene nanocomposite scaffolds: mechanism of baghdadite and apatite formation

Journal: Materials Technology (ISI). 2021;

Authors: Ahmadreza Arefpour, Masoud Kasiri-Asgarani, Ahmad Monshi, **Saeed Karbasi**, Ali Doostmohammadi, Sara Rostami

Mechanical behaviour, hybridisation and osteoblast activities of novel baghdadite/PCL-graphene nanocomposite scaffold: viability, cytotoxicity and calcium activity

Journal: Materials Technology (**ISI**). 2021;

Authors: Ahmadreza Arefpour, Mohammad Zolfaghari Baghbaderani, Asefeh Shafieirad, Masoud Kasiri-Asgarani, Ahmad Monshi, **Saeed Karbasi**, Ali Doostmohammadi, Aysan Shahsavar Goldanlou

Fabrication and characterization of chitosan-gelatin/singlewalled carbon nanotubes electrospun composite scaffolds for cartilage tissue engineering applications

Journal: Polymers for Advanced Technologies (ISI). 2021;

Authors: Sajjad Mohammadi Parya Bahrami Miyanji, Dariush Semnani, Abdolkarim Hossein Rayandi, **Saeed Karbasi**, Aref Fakhrali

Dimensional Printing of Hydrogel-Based Nanocomposites: A Comprehensive Review on the Technology Description, Properties, and Applications

Journal: Advanced Engineering Materials (ISI). 2021;

Authors: Sanaz Soleymani Eil Bakhtiari, Hamid Reza Bakhsheshi-Rad, **Saeed Karbasi**, Mahmood Razzaghi, Mohamadreza Tavakoli, Ahmad Fauzi Ismail, Safian Sharif, Seeram RamaKrishna, Xiongbiao Chen and Filippo Berto

Recent advances on akermanite calcium-silicate ceramic for biomedical applications

Journal: International Journal of Applied Ceramic Technology (ISI). 2021;

Authors: Filippo Berto Parisa Zadehnajar, Mohammad Hussein Mirmusavi, Sanaz Soleymani Eil Bakhtiari, Hamid Reza Bakhsheshi-Rad, **Saeed Karbasi**, Seeram RamaKrishna

On the use of Response Surface Methodology for Optimization of Scaffold Composite of the Hydroxyapatite and Diopside

Journal: ADVANCED PROCESSES IN MATERIALS (ISC). 2021;

Authors: Nasrin Rafiee, **Saeed Karbasi**, AMIR ABBAS NOURBAKHSH, KAMRAN AMINI

Poly (methyl methacrylate)-Based Composite Bone Cements with Different Types of Reinforcement Agents

Journal: Elsevier (Book chapter). 2021;

Authors: Sanaz Soleymani Eil Bakhtiari, Hamid Reza Bakhsheshi-Rad, **Saeed Karbasi**, Ahmad Fauzi Ismail, Safian Sharif, Alexander Seifalian, Houman Savoji, Filippo Berto

Modified poly (3-hydroxybutyrate)-based scaffolds in tissue engineering applications: A review

Journal: International Journal of Biological Macromolecules (**ISI**). 2021;

Authors: Sanaz Soleymani Eil Bakhtiari, Saeed Karbasi, Elahe Bahremandi Toloue

Polymethyl methacrylate-based bone cements containing carbon nanotubes and graphene oxide: An overview of physical, mechanical, and biological properties

Journal: Polymers (ISI). 2020;

Authors: Sanaz Soleymani Eil Bakhtiari, Hamid Reza Bakhsheshi-Rad, **Saeed Karbasi**, Mohamadreza Tavakoli, Mahmood Razzaghi, Ahmad Fauzi Ismail, Seeram RamaKrishna, Filippo Berto

Natural hydroxyapatite/diopside nanocomposite scaffold for bone tissue engineering applications: physical, mechanical, bioactivity and biodegradation evaluation

Journal: Materials Technology (ISI). 2020;

Authors: Nasrin Rafiee, Saeed Karbasi, Amir Abbas Nourbakhsh, Kamran Amini

Effects of cartilage acellular solubilised ECM on physicomechanical and biological properties of polycaprolactone/fibrin hybrid scaffold fabricated by 3D-printing and salt-leaching methods

Journal: Materials Technology (ISI). 2020;

Authors: Ali Honarvar, Saeed Karbasi, Batool Hashemibeni, Mohsen Setayeshmehr, Mohammad Kazemi, Ali Valiani

Poly (methyl methacrylate) bone cement, its rise, growth, downfall and future

Journal: POLYMER INTERNATIONAL (ISI). 2020;

Authors: Sanaz Soleymani Eil Bakhtiari, Hamid Reza Bakhsheshi-Rad, **Saeed Karbasi**, Mohamadreza Tavakoli, Sayed Ali Hassanzadeh Tabrizi, Ahmad Fauzi Ismail, Alexander Seifalian, Seeram RamaKrishna, Filippo Berto

Magnetic CoFe₂O₄ nanoparticles doped with metal ions: A review

Journal: Ceramics International (ISI). 2020;

Authors: Fariborz Sharifianjazi, Mostafa Moradi, Nader Parvin, Ali Nemati, Azadeh Jafari Rad, Niloufar Sheysi, Aliasghar Abouchenari, Ali Mohammadi, **Saeed Karbasi**, Zohre Ahmadi, Amirhosein Esmaeilkhanian, Mohammad Irani, Amirhosein Pakseresht, Saeid Sahmani, Mehdi Shahedi Asl

Evaluation of the Effects of keratin on Physical, Mechanical and Biological Properties of Poly (3-hydroxybutyrate) Electrospun Scaffold: Potential Application in Bone Tissue Engineering

Journal: European Polymer Journal (ISI). 2020;

Authors: Parisa Naderi, Moein Zarei, Saeed Karbasi, Hossein Salehi

Evaluation of physical, mechanical and biological properties of β -tri-calcium phosphate/Poly-3-hydroxybutyrate nano composite scaffold for bone tissue engineering application

Journal: Materials Technology (ISI). 2020;

Authors: Shabnam Shahi, Saeed Karbasi, Tahmineh Ahmadi, Farid Naeimi,

Vahabodin Goodarzi, Somaveh Ebrahimi-Barough

Evaluation of physical, mechanical, and biodegradation of chitosan/graphene oxide composite as bone substitutes

Journal: Polymer-Plastics Technology and Materials (ISI). 2020;

Authors: Mohamadreza Tavakoli, Saeed Karbasi, Sanaz Soleymani Eil Bakhtiari

Incorporation of chitosan/graphene oxide nanocomposite in to the PMMA bone cement: Physical, mechanical and biological evaluation

Journal: International Journal of Biological Macromolecules (ISI). 2020;

Authors: Mohamadreza Tavakoli, Sanaz Soleymani Eil Bakhtiari, Saeed Karbasi

Incorporation of multi-walled carbon nanotubes into electrospun PCL/gelatin scaffold: the influence on the physical, chemical and thermal properties and cell response for ...

Journal: Materials Technology (ISI). 2020;

Authors: Parisa Zadehnajar, Saeed Karbasi, Babak Akbari, Laleh Ghasemi

Biological evaluation of the effects of Hyaluronic acid on Poly (3-hydroxybutyrate) based Electrospun Nanocomposite scaffolds for cartilage tissue engineering application

Journal: Materials Technology (ISI). 2020;

Authors: Mohammad Nikbakht, Saeed Karbasi, Seyed Mahdi Rezayat

Evaluation of physical, mechanical and biological properties of bioglass/titania scaffold coated with poly (3-hydroxybutyrate)-chitosan for bone tissue engineering applications

Journal: Materials Technology (ISI). 2020;

Authors: Maryam Parvizifard, **Saeed Karbasi**, Hossein Salehi, Sanaz Soleymani Eil Bakhtiari

Biodegradation and cellular evaluation of aligned and random poly (3-hydroxybutyrate)/chitosan electrospun scaffold for nerve tissue engineering applications

Journal: Materials Technology (ISI). 2020;

Authors: Afarin Karimi Tar, Saeed Karbasi, Elham Naghashzargar, Hossein Salehi

Preparation and characterization of poly ϵ -caprolactone-gelatin/multi-walled carbon nanotubes electrospun scaffolds for cartilage tissue engineering applications

Journal: International Journal of Polymeric Materials and Polymeric Biomaterials (**ISI**). 2020;

Authors: Parisa Zadehnajar, Babak Akbari, **Saeed Karbasi**, Mohammad Hussein Mirmusavi

Physical, mechanical and biological performance of PHB-Chitosan/MWCNTs nanocomposite coating deposited on bioglass based scaffold: Potential application in bone tissue engineering

Journal: International Journal of Biological Macromolecules (ISI). 2020;

Authors: Maryam Parvizifard, Saeed Karbasi

Evaluation of the effects of chitosan/multiwalled carbon nanotubes composite on physical, mechanical and biological properties of polymethyl methacrylate-based bone cements

Journal: Materials Technology (ISI). 2020;

Authors: Sanaz Soleymani Eil Bakhtiari, **Saeed Karbasi**, Sayed Ali Hassanzadeh Tabrizi, Reza Ebrahimi-Kahrizsangi, Hossein Salehi

Baghdadite/Polycaprolactone nanocomposite scaffolds: preparation, characterisation, and in vitro biological responses of human osteoblast-like cells (Saos-2 cell line)

Journal: Materials Technology (ISI). 2020;

Authors: Ahmadreza Arefpour, Masoud Kasiri-Asgarani, Ahmad Monshi, **Saeed Karbasi**, Ali Doostmohammadi

Physical, mechanical and biological evaluation of poly (3-hydroxybutyrate)-chitosan/MWNTs as a novel electrospun scaffold for cartilage tissue engineering applications

Journal: Polymer-Plastics Technology and Materials (ISI). 2020;

Authors: Z Mohammadalizadeh, S Karbasi, S Arasteh

In Vitro and In Vivo Evaluation of Poly (3-hydroxybutyrate)/Carbon Nanotubes Electrospun Scaffolds for Periodontal Ligament Tissue Engineering

Journal: Journal of Dentistry (Pubmed). 2020;

Authors: Moein Zarei, **Saeed Karbasi**, Fatemeh Sari Aslani, Shahrokh Zare, Omid Koohi-Hosseinabad, Nader Tanideh

Potential of an electrospun composite scaffold of poly (3-hydroxybutyrate)-chitosan/alumina nanowires in bone tissue engineering applications

Journal: Materials Science and Engineering: C (ISI). 2019;

Authors: Elahe Bahremandi Toloue, **Saeed Karbasi**, Hossein Salehi, Mohammad Rafienia

Evaluation of physical, mechanical and biological properties of poly 3-hydroxybutyrate-chitosan-multiwalled carbon nanotube/silk nano-micro composite scaffold for cartilage ...

Journal: International journal of biological macromolecules (ISI). 2019;

Authors: Mohammad Hossein Mirmusavi, Parisa Zadehnajar, Dariush Semnani, Saeed Karbasi, Farnoosh Fekrat, Fariba Heidari

Effects of nano-bioactive glass on structural, mechanical and bioactivity properties of Poly (3-hydroxybutyrate) electrospun scaffold for bone tissue engineering applications

Journal: Materials Technology (ISI). 2019;

Authors: Razieh Iron, Mehdi Mehdikhani, Elham Naghashzargar, Saeed Karbasi, Dariush Semnani

Evaluation of the effects of β -tricalcium phosphate on physical, mechanical and biological properties of Poly (3-hydroxybutyrate)/chitosan electrospun scaffold for cartilage ...

Journal: Materials Technology (ISI). 2019;

Authors: Sima Keikhaei, Zahra Mohammadalizadeh, Saeed Karbasi, Ali Salimi

Fabrication, characterization and examination of in vitro of baghdadite nanoparticles for biomedical applications

Journal: Materials Research Express (ISI). 2019;

Authors: Ahmadreza Arefpour, Masoud Kasiri-Asgarani, Ahmad Monshi, Ali Doostmohammadi, **Saeed Karbasi**

Evaluation of the effects of hyaluronic acid on poly (3-hydroxybutyrate)/chitosan/carbon nanotubes electrospun scaffold: structure and mechanical properties

Journal: Polymer-Plastics Technology and Materials (ISI). 2019;

Authors: Mohammad Nikbakht, **Saeed Karbasi**, Seyed Mahdi Rezayat, Shima Tavakol, Esmaeel Sharifi

Chitosan/MWCNTs composite as bone substitute: Physical, mechanical, bioactivity, and biodegradation evaluation

Journal: Polymer Composites (ISI). 2019;

Authors: Sanaz Soleymani Eil Bakhtiari, **Saeed Karbasi**, Sayed Ali Hassanzadeh Tabrizi, Reza Ebrahimi-Kahrizsangi

A novel bilayer drug-loaded wound dressing of PVDF and PHB/Chitosan nanofibers applicable for post-surgical ulcers

Journal: International Journal of Polymeric Materials and Polymeric Biomaterials (**ISI**). 2019;

Authors: Fatemeh Amini, Dariush Semnani, **Saeed Karbasi**, Seyedeh Nooshin Banitaba

In vitro and in vivo performance of a propolis-coated polyurethane wound dressing with high porosity and antibacterial efficacy

Journal: Colloids and Surfaces B: Biointerfaces (ISI). 2019;

Authors: Darioush Khodabakhshi, Asghar Eskandarinia, Amirhosein Kefayat, Mohammad Rafienia, Sepehr Navid, **Saeed Karbasi**, Jamal Moshtaghian

Effect of Polyhydroxybutyrate/Chitosan/Bioglass nanofiber scaffold on proliferation and differentiation of stem cells from human exfoliated deciduous teeth into odontoblast-like cells

Journal: Materials Science and Engineering: C (ISI). 2018;

Authors: Maryam Khoroushi, Mohammad Reza Foroughib, **Saeed Karbasi**, Batool Hashemibeni, Abbas Ali Khademi

Effect of Duty cycle on the corrosion of Mg PEO coatings

Journal: International Journal of Electrochemical Science (ISI). 2018;

Authors: Eslamzadeh, N., Ebrahimi-Kahrizsangi, R., **Karbasi, S.**, Zarebidaki, A., Gharavi, F.

Preparation and evaluation of poly glycerol sebacate/poly hydroxy butyrate core-shell electrospun nanofibers with sequentially release of ciprofloxacin and simvastatin in wound dressings

Journal: Polymers for Advanced Technology (ISI). 2018;

Authors: Parisa Heydari, Jaleh Varshosaz, Anousheh Zargar Kharazi, Saeed Karbasi

Assessing the physical and mechanical properties of poly 3-hydroxybutyratechitosan-multi-walled carbon nanotube/silk nano-micro composite scaffold for long-term healing tissue engineering applications

Journal: Micro and Nano Letters (ISI). 2018;

Authors: Mohammad H. Mirmusavi, **Saeed Karbasi**, Dariush Semnani, Mohammad Rafienia, Anousheh Zargar Kharazi

Cytotoxicity assessment of polyhydroxybutyrate/chitosan/nano- bioglass nanofiber scaffolds by stem cells from human exfoliated deciduous teeth stem cells from dental pulp of exfoliated deciduous tooth

Journal: Dental Research Journal (Pubmed). 2018;

Authors: Batool Hashemi-Beni, Maryam Khoroushi, Mohammad Reza Foroughi,

Saeed Karbasi, Abbas Ali Khademi

Evaluation of the effects of multiwalled carbon nanotubes on electrospun poly(3-hydroxybutirate) scaffold for tissue engineering applications

Journal: Journal of Porous Materials (ISI) . 2018;

Authors: Moein Zarei, Saeed Karbasi

Poly (hydroxybutyrate)/chitosan Aligned Electrospun Scaffold as a Novel Substrate for Nerve Tissue Engineering

Journal: Advanced Biomedical Research (**Pubmed**). 2018;

Authors: Afarin Karimi, Saeed Karbasi, Shahnaz Razavi, Elham Naghash Zargar

Characterization of Silk/Poly 3-Hydroxybutyrate-chitosan-multi-walled Carbon Nanotube Micro-nano Scaffold: A New Hybrid Scaffold for Tissue Engineering Applications

Journal: Journal of Medical Signals and Sensors (Pubmed). 2018;

Authors: Mohammad Hossein Mirmusavi, **Saeed Karbasi**, Dariush Semnani, Anousheh Zargar Kharazi

Evaluation of structural, mechanical, and cellular behavior of electrospun poly-3-hydroxybutyrate scaffolds loaded with glucosamine sulfate to develop cartilage tissue engineering

Journal: International Journal of Polymeric Materials and Polymeric Biomaterials (**ISI**). 2017;

Authors: Zahra Shahali, **Saeed Karbasi**, Mohammad Reza Avadi, Dariush Semnani, Elham Naghash Zargar, Batoul HashemiBeni

Evaluation of physical and mechanical properties of -tri-calcium phosphate/poly-3-hydroxybutyrate nanocomposite sca_old for bone tissue engineering application

Journal: Scientia Iranica: F (ISI). 2017;

Authors: Sh. Shahi, S. Karbasi

Electrospinning of aligned medical grade polyurethane nanofibres and evaluation of cell–scaffold interaction using SHED stem cells

Journal: Micro and Nano letters (ISI). 2017;

Authors: Javad Yekrang, Dariush Semnani, Mohammad H. Beigi, Saeed Karbasi

Effects of Multi-wall Carbon Nano-tubes (MWNTs) On Structural and Mechanical Properties of Poly (3-hydroxybutyrate)/ Chitosan Electrospun Scaffolds for Cartilage Tissue Engineering

Journal: Bulletin of Materials Science (ISI). 2017;

Authors: Saeed Karbasi, Zahra Mohammad Alizadeh

Poly(hydroxybutyrate)/chitosan Aligned Electrospun Scaffold as a Novel Substrate for Nerve Tissue Engineering

Journal: Advanced Biomedical Research (Pubmed). 2017;

Authors: Afarin Karimi, Saeed Karbasi, Shahnaz Razavi, Elham Naghash Zargar

Tissue Engineering: Dentin – Pulp Complex Regeneration Approaches (A Review)

Journal: Tissue and Cell (**ISI**). 2017;

Authors: Batool Hashemi-Beni, Maryam Khoroushi, Mohammad Reza Foroughi,

Saeed Karbasi, Abbas Ali Khademi

Polyhydroxybutyrate/chitosan/bioglass nanocomposite as a novel electrospun scaffold: fabrication and characterization

Journal: Journal of Porous Materials (ISI). 2017;

Authors: Mohammad Reza Foroughi, **Saeed Karbasi**, Maryam Khoroushi, Abbas Ali Khademi

Evaluation of PCL/chitosan electrospun nanofibers for liver tissue engineering

Journal: International Journal of Polymeric Materials and Polymeric Biomaterials (**ISI**). 2017;

Authors: Dariush Semnani, Elham Naghashzargar, Mehdi Hadjianfar, Fahimeh Dehghan Manshadi, Sajjad Mohammadi, Saeed Karbasi, Farshid Effaty

Effects of Multi-wall Carbon Nano-tubes (MWNTs) on Structural and Mechanical Properties of Electrospun Poly (3-hydroxybutyrate) Scaffold for Tissue Engineering Applications

Journal: Scientia Iranica: F (ISI). 2016;

Authors: S. Karbasi, M. Zarei, M.R. Foroughi

Evaluation of structural and mechanical properties of electrospun nano-micro hybrid of poly hydroxybutyrate chitosan/silk scaffold for cartilage tissue engineering

Journal: Advanced Biomedical Research (**Pubmed**). 2016;

Authors: S. Karbasi, F. Fekrat, D. Semnani, Sh. Razavi, E. Naghash Zargar

Preparation and characterization of poly (hydroxy butyrate)/ chitosan blend scaffolds for tissue engineering applications

Journal: Advanced Biomedical Research (Pubmed). 2016;

Authors: S. Karbasi, S. Nouri Khorasani, S. Ebrahimi, Sh. Khalili, F. Fekrat, D. Sadeghi

Optimizing the mechanical properties of a bi-layered knitted/nanofibrous esophageal prosthesis using artificial intelligence

Journal: E-Polymers (ISI). 2016;

Authors: J. Yekrang, D. Semnani, S. Karbasi

Evaluate the growth and adhesion of osteoblast cells on nanocomposite scaffold of hydroxyapatite/titania coated with poly hydroxybutyrate

Journal: Advanced Biomedical Research (Pubmed). 2016;

Authors: B. Pourmollaabbassi, S. Karbasi, B. Hashemibeni

Electrospun poly (hydroxybutyrate) /chitosan blend fibrous scaffolds for cartilage tissue engineering

Journal: Journal of Applied Polymer Sciences (ISI). 2016;

Authors: D. Sadeghi, S. Karbasi, Sh. Razavi, S. Mohammadi, M. A. Shokrgozar, Sh. Bonakdar

Evaluation of the effects of nano-TiO2 on bioactivity and mechanical properties of nano bioglass-P3HB composite scaffold for bone tissue engineering

Journal: Journal of Materials Science: Materials in Medicine (ISI). 2016; Authors: S. Soleymani Eil Bakhtiyari, S. Karbasi, A. Monshi, M. Montazeri

Characterization of PLGA/Chitosan Electrospun Nano-Biocomposite Fabricated by Two Different Methods

Journal: International Journal of Polymeric Materials and Polymeric Biomaterials (**ISI**). 2015;

Authors: S. Vaezifar, SH. Razavi, M. A.Golozar, H. Zarkesh Esfahani, M. Morshed, S. Karbasi

Nanobiocomposite of poly(lactide-co-glycolide)/chitosan electrospun scaffold can promote proliferation and transdifferentiation of Schwann-like cells from human adipose-derived stem cells

Journal: Journal of Biomedical Materials Research A (ISI). 2015;

Authors: Sh. Razavi, H. Zarkesh-Esfahani, M. Morshed, S. Vaezifar, S. Karbasi, M.A. Golozar

Evaluation of the effects of nano-TiO2 on physical and mechanical properties of nano-bioglass 45S5 scaffold for bone tissue engineering

Journal: Scientia Iranica: F (ISI). 2015;

Authors: S. Soleymani Eil Bakhtiyari, S. Karbasi, A. Monshi

Cell Attachment and Proliferation of Human Adipose-Derived Stem Cells on PLGA/Chitosan Electrospun Nano-Biocomposite

Journal: Cell Journal (ISI). 2015;

Authors: Sh. Razavi, S. Karbasi, M. Morshed, H. Zarkesh Esfahani, M. Golozar, S. Vaezifar

Optimization of silk yarn hierarchical structure by genetic algorithm to design scaffolds

Journal: Indian Journal of Fibre & Textile Research (ISI). 2015; Authors: Elham Naghashzargar, Dariush Semnani, Saeed Karbasi

Evaluation of Mechanical Property and Bioactivity of Nano-Bioglass 45S5 Scaffold Coated with Poly-3-hydroxybutyrate

Journal: Journal of Materials Science: Materials in Medicine (ISI). 2015;

Authors: Mahbobeh Montazeri, Saeed Karbasi, Mohammad Reza Foroughi, Ahmad

Monshi, Reza Ebrahimi-Kahrizsangi

Nano/micro hybrid scaffold of PCL or P3HB nanofibers combined with silk fibroin for tendon and ligament tissue engineering

Journal: J Appl Biomater Funct Mater (ISI). 2015;

Authors: Elham Naghashzargar, Silvia Farè, Valentina Catto, Serena Bertoldi,

Dariush Semnani, Saeed Karbasi, Maria Cristina Tanzi

Improving the Mechanical Properties of Wire-Rope Silk Scaffold by Artificial Neural Network in Tendon and Ligament Tissue Engineering

Journal: Journal of Engineered Fibers and Fabrics (ISI). 2015;

Authors: Elham Naghashzargar, Dariush Semnani, Saeed Karbasi

Investigation on bioactivity and cytotoxicity of mesoporous nano-composite MCM-48/hydroxyapatite for ibuprofen drug delivery

Journal: Ceramic International (ISI). 2014;

Authors: Hoda Aghaei, AmirAbbas Nourbakhsh, **Saeed Karbasi**, Roozbeh JavadKalbasi, Mohammad Rafienia, Nosrat Nourbakhsh, Shahin Bonakdar, Kenneth J.D.Mackenzie

Evaluation of Physical and Mechanical Properties of Hydroxyapatite/Titanium dioxide Composite Scaffold for Tissue Engineering Applications

Journal: Journal of Materials and Advance Technology (ISC). 2014;

Authors: Sotudeh Akbarpoor, Saeed Karbasi

Evaluation of bioactivity poly-3-hydroxybutyrate coated Nano-Bioglass 45S5 composite scaffolds for bone tissue engineering

Journal: Journal of Materials and Advance Technology (ISC). 2014;

Authors: M. Montazeri, S. Karbasi, A. Monshi, R. Ebrahimi-kahrizsangi

Characterization of PLGA/Chitosan Electrospun Nano- Biocomposite Fabricated by Two Different Methods

Journal: International Journal of Polymeric Materials and Polymeric Biomaterials (**ISI**). 2014;

Authors: Sedigheh Vaezifar, Shahnaz Razavi, Mohammad Ali Golozar, Hamid

Zarkesh Esfahani, Mohammad Morshed, Saeed Karbasi

Evaluation of Mechanical Property and Bioactivity of Nano-Bioglass 45S5 Scaffold Coated with Poly-3-hydroxybutyrate

Journal: Journal of Materials and Advance Technology (ISC). 2014;

Authors: M. Montazeri, S. Karbasi, A. Monshi, R. Ebrahimi-kahrizsangi

Extremely low-frequency electromagnetic field influences the survival and proliferation effect of human adipose derived stem cells

Journal: Advance Biomedical Journal (Pubmed). 2014;

Authors: Shahnaz Razavi, Marzieh Salimi, Daryoush Shahbazi-Gahrouei, **Saeed Karbasi**, Saeed Kermani

Effect of Extremely Low-Frequency (50 Hz) Field on Proliferation Rate of Human Adipose-Derived Mesenchymal Stem Cells

Journal: Journal of Isfahan Medical School (Scopus). 2013;

Authors: Marzieh Salimi, Daryoush Shahbazi-Gahrouei, **Saeed Karbasi**, Saied Kermani, Shahnaz Razavi

Effects of Some Parameters on Particle Size Distribution of Chitosan Nanoparticles Prepared by Ionic Gelation Method

Journal: Journal of Cluster Science (ISI). 2013;

Authors: Sedigheh Vaezifar, Shahnaz Razavi, Mohammad Ali Golozar, **Saeed Karbasi**, Mohammad Morshed, Mahdi Kamali

Application of intelligent neural network method for prediction of mechanical behavior of wire-rope scaffold in tissue engineering

Journal: Journal of the Textile Institute (ISI). 2013;

Authors: Elham Naghashzargar, Dariush Semnani, Saeed Karbasi & Haleh Nekoee

Physical and mechanical properties of a poly-3-hydroxybutyratecoated nanocrystalline Bioglass 45S5 scaffold for bone tissue engineering

Journal: Journal of Materials and Advance Technology (ISC). 2013;

Authors: Mahboobeh Montazeri, **Saeed Karbasi**, Ahmad Monshi, Reza Ebrahimi-Kahrizsangi and Mohammad Reza Foroughi

Effects of Bioglass Nanoparticles on Bioactivity and Mechanical Property of poly(3hydroxybutirate) Scaffolds

Journal: Scientia Iranica(Nanotechnology) (ISI). 2013;

Authors: Hadi Hajiali, Saeed Karbasi, Mohammad Hosseinalipour, Hamid Reza Rezaie

Comparation of Acellular and Cellular Bioactivity of Poly 3-hydroxybutyrate/hydroxyapatite Nanocomposite and Poly 3-hydroxybutyrate Scaffolds

Journal: Biotechnology and Bioprocess Engineering (ISI). 2013;

Authors: Abbas Saadat, A.A. Behnamghader, Saeed Karbasi, et al

Mechanical Evaluation of nHAp Scaffold Coated with Poly-3-Hydroxybutyrate for Bone Tissue Engineering

Journal: Journal of NanoScience and Nonotechnology (ISI). 2013;

Authors: Mohammad Reza Foroughi, Saeed Karbasi, Reza Ebrahimi

Influence of Bioglass Nanoparticles on Biodegradation and Biocompatibility of poly(3hydroxybutirate) Scaffolds

Journal: International Journal of Artificial Organs (ISI). 2012;

Authors: Hadi Hajiali, Mohammad Hosseinalipour, Saeed Karbasi, Hamid Reza

Rezaie

Direct cytotoxicity evaluation of 63S bioactive glass and bone-derived hydroxyapatite particles using yeast model and human chondrocyte cells by microcalorimetry

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