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

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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

A) JOURNAL PAPERS

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. 2017;
Authors: Zahra Shahali, Saeed Karbasi, Mohammad Reza Avadi, Dariush Semnani, Elham Naghash Zargar, Batoul HashemiBeni

Evaluation of the effects of multiwalled carbon nanotubes on electrospun poly(3-hydroxybutirate) scaffold for tissue engineering applications
Journal: Journal of Porous Materials. 2017;
Authors: Moein Zarei, Saeed Karbasi

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. 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. 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. 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. 2017;
Authors: Afarin Karimi, Saeed Karbasi, Shahnaz Razavi, Elham Naghash Zargar

Tissue Engineering: Dentin – Pulp Complex Regeneration Approaches (A Review)
Journal: Tissue and Cell. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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). 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. 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. 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. 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
Journal: Journal of Materials Science: Materials in Medicine. 2011;
Authors: A. Doostmohammadi, A. Monshi, M. H. Fathi, S. Karbasi, O. Braissant, A. U. Daniels

physical and mechanical properties of Poly-3 Hydroxybutyrate coated nanocrystalline hydroxyapatite scaffold for Bone Tissue Engineering
Journal: Journal of Porous Materials. 2011;
*Authors:*M. R. Foroughi, S. Karbasi, R. Ebrahimi-Kahrizsangi

Influence of calcinated and non calcinated nanobioglass particles on Hardness and bioactivity of sol-gel-derived TiO2-SiO2 nano composite coatings on stainless steel substrates
Journal: Journal of Materials Science: Materials in Medicine(in Press). 2011;
Authors: Mohammad Saleh Dadash, Saeed Karbasi, M. Nasr Esfahani, Mohammad Reza Ebrahimi, Hojatollah Vali

The Bonding Strength, Hardness and Bioactivity of Nano Bioglass-Titania Nano composite Coating Deposited on NiTi Nails
Journal: Current Nanoscience(in press). 2011;
Authors: Mohammad Saleh Dadash, Mojtaba Nasr-Esfahani, Reza Ebrahimi, Saeed Karbasi

A comparative study on mechanical and adhesion properties of calcinated and non calcinated nanobioglass-titania nano composite coating on stainless steel substrates
Journal: Scientia Nanotechnology. 2010;17(1):66-72
Authors: Mohammad saleh Dadash, M.Nasr Esfahani, R.Ebrahimi-Kahrizsangi, S.Karbasi, Hojatollah Vali

Comparison of Physical-Mechanical properties of Bioglass-TiO2 Nanocomposite Coating and their Bioactivity
Journal: Majlesi Journal of Materials Engineering. 2010;4(2):1-8
Authors: M. Nasr-Esfahani, R. Ebrahimi, M.S. Dadash, S. Karbasi

Effect of TGF3 and BMP6 Growth Factors on Chondrogenesis of Adipose Stem Cells on Alginate Scaffold
Journal: Journal of Isfahan Medical School(in press). 2010;
Authors: B. Hashemibani, S. Razavi, E. Esfandiari, S. Karbasi, et al

Experimental Investigation of Governing Parameters in Electrospinning Poly(3-Hydroxybutyrate) Scaffolds on Pores Structural Characteristics
Journal: Journal of Applied Polymer Science. 2010;118(5):2682-2689
Authors: A.H. Tehrani, A. Zadhoush, S. Karbasi

Preparation of a novel biodegradable nanocomposite scaffold based on poly (3-hydroxybutyrate)/ bioglass nanoparticles for bone tissue engineering
Journal: Journal of Materials Science: Materials in Medicine. 2010;21(7):2125
Authors: Hadi Hajiali, Saeed Karbasi, Mohammad Hosseinalipour, Hamid Rezaie

Scaffold Percolative Efficiency: in Vitro Evaluation of the Structural Criterion for Tissue Engineered Electrospun Mats
Journal: Journal of Material Sciences: Materials in Medicine. 2010;
Authors: Ashkan Heidarkhan Tehrani, Ali Zadhoush, Saeed Karbasi, Hojjat Sadeghi-Aliabadi

A Comparative Study of Articular Chondrocytes Metabolism on a Biodegradable Polyesterurethane Scaffold and Alginate Beads in Different Oxygen Tension and pH
Journal: Journal of Isfahan Medical School. 2009;27(97):379-392
Authors: S. Karbasi

Effect of BMP-6 Growth Factor on ADSCs Differentiation to Chondrocyte in Pellet Culture System
Journal: Journal of Isfahan Medical School. 2009;27(100):618-631
Authors: Hashemibani B., Razavi S., Esfandiari E., Salehi M., Karbasi S. et al.

Influence of Poly (lactide-co-glycolide) Type and Gamma Irradiation on the Betamethasone Acetate Release from the In Situ Forming Systems
Journal: Current Drug Delivery. 2009;6:184-191
Authors: Mohammad Rafienia, Shahriar Hojjati Emami, Hamid Mirzadeh, Hamid Mobedi, Saeed Karbasi

Induction of Chondrogenic differentiation of Human Adipose–Derived Stem Cells with TGF in Pellet Culture System
Journal: Iranian Journal of Basic Medical Sciences. 2008;11(1):10-17
Authors: Hashemi-bani B., Razavi S., Esfandiari E., Karbasi S

Evaluation of Hydrostatic Pressure on Metabolism of the Articular Chondrocytes Seeded on Biodegradable Polyurethane as Tissue Engineering Scaffold
Journal: Journal of Isfahan Medicl School(in english). 2007;(8):15-22
Authors: Karbasi S.

A Comparison Between Cell Viability of Chondrocytes on a Biodegradable Polyester Urethane Scaffold and Alginate Beads in Different Oxygen Tension and pH
Journal: Iranian Polymer Journal(in english). 2005;14(9):823-830
Authors: Saeed Karbasi, Hamid Mirzadeh, Fariba Orang, Jill Urban

Effect of Physical Environment on Chondrocytes Seeded onto a Biodegradable Polyurethane Scaffold for Articular Cartilage Tissue Engineering
Journal: Journal of Polymer Science and Technology(in farsi). 2005;6(80):383-390
Authors: Saeed Karbasi, Hamid Mirzadeh, Fariba Orang

Swelling Behaviour and Cell Viability of Dehydrothermally Crosslinked Polyvinyl alcohol Hydrogel Grafted With N-vinylpyrolidone or Acrylic Acid Using -Radiation
Journal: Journal of Applied Polymer Science(in english). 2004;91(5):2862-2868
Authors: Esmaeel Jabbari, Saeed Karbasi

Etc.

B) CONFERENCES

Manufacturing and Characterization of Poly(Hydroxybutyrate)/MultiwalledCarbon Nanotubes Nanocomposite Membrane for the Treatment of Bone Defects and Oral Tissue Regeneration
Conference: The 12th conference on Biomembrane. 2015; (Oral)
Authors: M. Zarei, S. Karbasi, M.R. Foroughi

Modeling and optimization of laminated cotton silk scaffolds using neural networks and genetic algorithms for tissue engineering of tendons and ligaments
Conference: Ninth National Conference of Textile. 2014; (Poster)
Authors: E. Naghashzargar, M. Ghiasi, D. Semnani, S. Karbasi

Design and manufacturing of silk/PCL nanofiber scaffolds for tissue engineering applications
Conference: Ninth National Conference of Textile. 2014; (Poster)
Authors: E. Naghashzargar, D. Semnani, S. Karbasi

Evaluation of poly (3-hydroxybutyrate)/nano-bioactive glass composite scaffolds fabricated by electrospinning for bone tissue engineering
Conference: Proceedings of 5th International Congress on Nanoscience & Nanotechnology (ICNN2014). 2014; (Poster)
Authors: R. Iron, M. Mehdikhani-Nahrkhalaji, S. Karbasi

Physical and mechanical properties of a poly-3-hydroxybutyrate coated nanocrystalline Bioglass 45S5 scaffold for bone tissue engineering
Conference: Proceedings of the 5thInternational Conference on Nanostructures (ICNS5). 2014; (Poster)
Authors: M.Montazeri, S.Karbasi

Physical and mechanical properties of a poly-3-hydroxybutyrate coated nanocrystalline Bioglass 45S5 scaffold for bone tissue engineering
Conference: Proceedings of the 5thInternational Conference on Nanostructures (ICNS5). 2014; (Poster)
Authors: M.Montazeri, S.Karbasi

Evaluation of the effect of PHB on mechanical and physical properties of nanobioglass scaffold for bone tissue engineering
Conference: Nanosym93. 2014; (Oral)
Authors: M.Montazeria, S.Karbasi, A. Monshi, R. Ebrahimi

Fabrication of PCL Nano-Coated Scaffolds in Tissue Engineering
Conference: 5th International Color and Coatings Congress (ICCC 2013). 2013; (Oral)
Authors: E.Naghashzargar, D.Semnani, S.Karbasi

Development of Poly (3-hydroxybutyrate) Nano fibers- Coated structure by Using Electrospinning for Tissue Engineered Scaffolds
Conference: 5th International Conference on Nanostructures (ICNS5). 2014; (Oral)
Authors: E.Naghashzargar, D.Semnani, S.Karbasi

Development of Poly (3-hydroxybutyrate) Nano fibers- Coated structure by Using Electrospinning for Tissue Engineered Scaffolds
Conference: 5th International Conference on Nanostructures (ICNS5). 2014; (Oral)
Authors: E.Naghashzargar, D.Semnani, S.Karbasi

A comparative study on mechanical and adhesion properties of calcinated and non calcinated nanobioglass-titania nano composite coating on stainless steels substrates
Conference: The Third Conference on Nanostructures. 2010; (Poster)
Authors: M.S. Dadash, M. Nasr Esfahani, R. Ebrahimi, S. Karbasi, H. Vali

Bioactivity evaluation of a nanocomposite scaffold for bone tissue engineering
Conference: 17th Iranian conference on Biomedical Engineering. 2010; (Speech)
Authors: H. Hajiali, S. Karbasi, M. Hoseynalipour, H.R. Rezaei

Biocompatibility evaluation of bioglass nanoparticles to chondrocyte cells by isothermal microcalorimetry
Conference: 17th Iranian Conference on Biomedical Engineering. 2010; (Speech)
Authors: A. Doostmohammadi, A. Monshi, M.H. Fathi, S. Karbasi, R. Salehi, O. Braissant, A.U. Daniels

Effect of Porosity on Structure of PHB-HA Nanocomposite Scaffold Prepared by Solvent Casting and Particulate Leaching Method
Conference: 5th SBE International Conference on Bioengineering and Nanotechnology. 2010; (Poster)
Authors: A. Saadat, A. Behnamghader, S. Karbasi, M. Radmehr and M. Sadeghi

Evaluation of morphology and biodegradation of P3HB/HA nanocomposite scaffold for tissue engineering applications
Conference: 17th Iranian Conference on Biomedical Engineering. 2010; (Speech)
Authors: M.Radmehr, S. Karbasi, M. Sadeghi, S. Nourikhorasani, A. Saadat

Fabrication and Morphological Characterization of Poly (3-hydroxy butyrate)/Nano Hydroxyapetite Nanocomposite Scaffold Used in Bone Tissue Engineering
Conference: 6th world congress of biomechanics. 2010; (Speech)
Authors: M. Radmehr, M. Sadeghi, S. Karbasi, S. Nouri Khorasani, A. Saadat, A. Behnamghader

Fabrication of PHB/HA nanofiber for cartilage repair
Conference: 8th conference on nanotechnology. 2010; (Speech)
Authors: A. Heidarkhan-Tehrani, A. Zadhoosh, S. Karbasi

In Vitro Evaluation of a Nanocomposite Scaffold for Bone Tissue Engineering
Conference: Nanobio. 2010; (Poster)
Authors: Hadi Hajiali, Mohammad Hosseinalipour, Saeed Karbasi, Hamid Reza Rezaie

Mechanical Property of Poly (3-hydroxybutyrate)/Bioglass Nanocomposite Scaffolds for Bone Tissue Engineering
Conference: 6th world congress of biomechanics. 2010; (Poster)
Authors: Hadi Hajiali, Mohammad Hosseinalipour, Saeed Karbasi, Hamid Reza Rezaie

Nitinol versus stainless steel Nails: Influence of sol–gel-deposited Nano bioactive glass - titania composite films on the hardness, adhesion properties and in vitro bioactivity of substrate
Conference: Nanobio. 2010; (Poster)
Authors: mohammad saleh dadash, Saeed karbasi, Mohammad Reza foroghi

Preparation of Nano Hydroxyapetite /Poly (3-hydroxy buthyrate) nanocomposite Scaffold Used in Bone Tissue Engineering
Conference: The Third Conference on Nanostructures. 2010; (Poster)
Authors: M. Radmehr, S. Karbasi, M. Sadeghi, A. Saadat, A. Behnamghader, S.Nori Khorasani

Preparing Nanocomposite Fibrous Scaffolds of P3HB/nHA for Bone Tissue Engineering
Conference: 17th Iranian Conference on Biomedical Engineering. 2010; (Speech)
Authors: A.H. Tehrani,S. Karbasi, A. Zadhoush

structural comparison between natural and synthesis nano HA
Conference: 17th Iranian Conference of Biomedical Engineering. 2010; (Speech)
Authors: M.R. Foroughi, B. Nasiri, S. Karbasi, R. Ebrahimi, M.A. Seyedsajadi

Synthesis and Characterization of NanoHA Powder based on a Novel Sol-Gel Method
Conference: 2th Conference on Nanomaterils and Nanotechnology. 2010; (Poster)
Authors: M. Foroughi, R.Ebrahimi, S. Karbasi, A.A.Noorbakhsh

Synthesis and structural evaluation of porous PHB scaffold by solvent casting and salt leaching useful in tissue engineering
Conference: 17th Iranian Conference on Biomedical Engineering. 2010; (Poster)
Authors: P. Rasekhian, D. Abedi, S. Karbasi, A. Jafarian, M.H. Nasr-esfahani, S. Razavi

Design and Fabrication of a Nanocomposite Scaffold for Bone Tissue Engineering
Conference: 16th Iranian Biomedical Engineering Conference. 2009; (Speech)
Authors: H. Hajiali, M. Hoseynalipour, S. Karbasi

Simulating the fabrication of nanofibrous scaffold for pore architectural characterization using image analysis
Conference: International conference on modeling and simulation. 2009; (Speech)
Authors: Ashkan Heidarkhan Tehrani, Ali Zadhoush, Saeed Karbasi

A Comparative Study of Articular Chondrocytes Metabolism on a Biodegradable Polyesterurethane Scaffold and Alginate Beads in Different Oxygen Tension and pH
Conference: 13th international conference on biomedical engineering. 2008; (Speech)
Authors: ́Saeed Karbasi

Evaluation of Hydrostatic Pressure on Metabolism of the Articular Chondrocytes Seeded on Biodegradable Polyurethane as Tissue Engineering Scaffold
Conference: Bone Grafts and Bone Substitutes congress. 2007; (Speech)
Authors: Saeed Karbasi

a review on biomaterials and tissue engineering: past, present and future
Conference: the third international seminar on comunication between university, industries and government. 2006; (Speech)
Authors: saeed karbasi

Evaluation of Hydrostatic Pressure on Metabolism of the Articular Chondrocytes Seeded on Biodegradable Polyurethane as Tissue Engineering Scaffold
Conference: World Congress on Medical Physics and Biomedical Engineering(WC 2006). 2006; (Poster)
Authors: Saeed Karbasi

A Comparison Between Cell Viability of Chondrocytes on Biodegradable Degrapol® Scaffold and Alginate Beads in Different Oxygen Tension and pH
Conference: The 4th International Seminar on Polymer Science and Technology. 2005; (Poster)
Authors: Saeed Karbasi, Hamid Mirzadeh, Fariba Orang

Effect of Hydrostatic Pressure on Chondrocytes Metabolism on Biodegradable Degrapol® Scaffold: A Useful Method for Articular Cartilage Tissue Engineering
Conference: The 4th International Seminar on Polymer Science and Technology. 2005; (Poster)
Authors: Saeed Karbasi, Hamid Mirzadeh, Fariba Orang

Effect of Physicochemical Parameters on a Biodegradable Polyurethane Scaffold for Evaluation of Chondrocyte Metabolism
Conference: 12th National Conference of Biomedical Engineering. 2005; (Speech)
Authors: Saeed Karbasi, Fariba Orang, Hamid Mirzadeh

Preparation and Synthesis of Biodegradable Polyurethane Scaffolds for Cartilage Tissue Engineering
Conference: 12th National Conference of Biomedical Engineering. 2005; (Speech)
Authors: Azadeh Asefnejad, Fariba Orang, Hamid Mirzadeh, Saeed Karbasi

A Comparison of Water Absorption and Cell Compatibility Between Polyvinyl alcohol Hydrogel Composites
Conference: 10th National Conference of Biomedical Engineering. 2001; (Speech)
Authors: Saeed Karbasi, Esmaeil Jabbari, Ali Alavi, Fathollah Moztarzadeh

Effect of Grafting N-vinylpyrolidone or Acrylic Acid on Cytotoxicity, Water Absorption and Compression Modulus of Crosslinked Polyvinyl Alcohol as Artificial Cartilage
Conference: 5th Asian Symposium on Biomedical Materials. 2001; (Speech)
Authors: Saeed Karbasi, Esmaeil Jabbari

Effect of Radiation Grafting on Water Absorption and Dynamic Properties of Acrylic Acid Grafted to Polyvinyl Alcohol Surface
Conference: 6th National Conference of Chemical Engineering. 2001; (Speech)
Authors: Saeed Karbasi, Esmaeil Jabbari, Fathollah Moztarzadeh

Investigation of Cell Compatibility of Acrylic Acid Grafted to Polyvinyl Alcohol as Artificial Cartilage
Conference: 6th National Conference of Chemical Engineering. 2001; (Speech)
Authors: Saeed Karbasi, Esmaeil Jabbari, Ali Alavi

Etc.