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6512

Supervised MSc Theses

#	Thesis title	By	Date
1	Preparation and evaluation of the different percentage of silk fibroin in the function of silk Fibroin/alginate aqueous-based adhesives	Pakshid Hosseinzadeh & Hamid Mirzadeh	July 2022
2	Preparation and characterization of insitu injectable hydrogels based on carboxy methyl chitosan(CMC) and hyaluronic acid	Noorhoda Zamini & Hamid Mirzadeh	January 2022
3	Fabrication and study of bilayer nanofibers based on natural and synthetic polymers(CMC/PCI) for prevention of epidural adhesions by double-layer electrospun membranes	Niloufar Delkhosh & Hamid Mirzadeh	October 2021
4	Fabrication and Characterization of Injectable Hydrogels for Tooth Tissue Engineering	Emad Deghani Mohamadabadi & Hamid Mirzadeh	January 2021
5	Preparation and characterization of janus-type nanofibers based on natural polyelectrolytes by combining electrospinning method and microfluidic devices	Ahmadreza Moradi & Hamid Mirzadeh	January 2021
6	Fabrication and characterization of modified chitosan-coated magnetic nanoparticles for combinational and targeting therapy of cancer	Maryam Nourmohammadi Kohanestani & Hamid Mirzadeh	September 2020
7	Chitosan nanofibrous mat as tympanic membrane patch and its performance for treatment of chronic tympanic membrane perforation:comparison with biologically modified silicon patch, in vitro assay	Zohreh Pourheydari & Hamid Mirzadeh	February 2020
8	Preparation and evaluation of two layered nano-composite scaffold based on PCL-Gelatin/GO for nerve tissue engineering:in vitro study	Seyedeh Negin Karimi & Hamid Mirzadeh	February 2020

9	Fabrication and characterization of scaffolds based on Chitosan/Bioglass nano-hybrids for tissue Engineering	Mohammad Ghorbanzadeh & Hamid Mirzadeh	July 2019
10	Fabrication and characterization of hydroxyapatite / polyester nano composite based porous scaffolds using fused deposition method (FDM)]	Shaghayegh Kavianisamani & Hamid Mirzadeh	February 2019
11	Fabrication and study of 3D hydrogel scaffolds based on Gelatin for Cancer in vitro models and investigation of magnetic nanoparticle diffusion	Zahra Zahedi Tabar & Hamid Mirzadeh	February 2019
12	fabrication and characterization of carboxymethyl chitosan-sulfate-based scaffolds for cartilage tissue engineering	Maryam Fahimi Kabir & Hamid Mirzadeh	February 2019
13	preparation and Evaluation of injectable scaffold Based on GelMA (Gelatin-Methacrylate) for Cartilage Tissue Engineering	Farinaz Jonidi Shariatzadeh & Hamid Mirzadeh	November 2018
14	Preparation and characterization of injectable system based on nano particle-reinforced gelatin with potential application in cartilage repair	Kasra Goodarzi & Hamid Mirzadeh	July 2018
15	preparation and study of combinational drug delivery system based on chitosan nanoparticles for breast cancer treatment	Nafise Olov & Hamid Mirzadeh	October 2016
16	Design and fabrication of chitosan scaffolds by electrospinning and solvent casting methods and cell culture for Diabetic wound dressing applications	Seyed Jalal Kia & Hamid Mirzadeh	February 2014
17	Encapsulating osteoblast cells using mixtures of natural polymer gelatin / Alginate for bone tissue engineering applications	Mahsa Saeedi & Hamid Mirzadeh	January 2014
18	Design and Fabrication of Chitosan/alginate Nanofibers for Skin Tissue Engineering	Roya Damircheli & Hamid Mirzadeh	October 2013
19	Fabrication of Alginate/chitosan scaffolds for wound healing applications	Hamed Peidayesh & Hamid Mirzadeh	February 2013
20	Plasma surface modification of polyurethane/chitosan electrospun membranes for wound healing applications	Amir Mirzaei & Hamid Mirzadeh	February 2013
21	RF -plasma surface modification and chitosan : characterization and evaluation as membranes for wound dressings	Mahboobeh Rastegar & Hamid Mirzadeh	February 2012
22	preparation and investigation of injectable glucantime drug delivery system based on chitosan hydrogel	Marzieh Aliaghaei & Hamid Mirzadeh	November 2010
23	Comparison of EB irradiated with linear PP: Characterization and bio compatibility evaluation	Mojtaba Koosha & Hamid Mirzadeh	December 2008
24	CHEMICAL MODIFICATION OF CHITOSAN TO IMPROVE BIOADHESION OF PREPARED HYDROGEL TO TISSUE IN VIVO	Erfan Dashti Moghadam & Hamid Mirzadeh	December 2007
25	Plasma induce surface modification of PET grafting of acrylic acid and heparin immobilization to improve blood compatibility.	Samin Eftekhari & Hamid Mirzadeh	November 2007
26	Preparation and Characterization of Hydroxyapatite/ PLLA Nanocomposite for Bone Tissue Engineering	Elham Nejati & Hamid Mirzadeh	August 2007
27	PREPARATION OF PEG BASED BIODEGRADABLE POLYMERIC NETWORKS WITH APPLICATION IN TOPICAL DRUG DELIVERY	Azadeh Sadat Hashemi Doulabi & Hamid Mirzadeh	February 2007
28	KrF LESER INDUCED NAMOSTRUCTURING ONTO POLYETHYLENE TERPHTALATE (PET) BY DIFFERENT REPETITION RATE & EVALUATION OF BIOFCO	Ehsan Vahedimoghaddam & Hamid Mirzadeh	December 2006

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- 1 Saeid Bahrami, Atefeh Solouk Mofrad, Delphine Duprez, Hamid Mirzadeh, "Microstructure Manipulation of Polyurethane-Based Macromolecular Scaffold for Tendon/Ligament Tissue Engineering", *MACROMOLECULAR MATERIALS AND ENGINEERING*, November 2021 Vol. 0, Num. 0, Page 1-12, November 2021,
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Taught Courses

#	Course title	Description	Headlines	Date
1	Biocompatible Polymers	Introduction to applied polymers in medicine and concepts of polymer biocompatibility, blood compatibility and biodegradation.		Fall 2021

Inventions/Patents

#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
1	Intra-Cochlear Electrode with a Partially Detachable Hydrophilic Segment for Deferred Self- Positioning	US 2003/0078516A1			2012/04/1	-

2	Non-Drug Based Wound Dressing Polymer Film and a Method of Producing the Same	US2011/0218472 A1	2011/09/1	-
3	RF Plasma –Induced Graft Polymerization of Acrylamide onto Silicone Rubber	55972	2009/12/1	-
4	Injectable and Biodegradable Hydrogel Based on Thiolated Chitosan at Physiologic pH	48055	-	-
5	Chitosan, Gelatin, Collagen and PVA Hybrid Bio-composite for Wound Dressing	52658	-	-
6	Repairing of Intestinal Fistula Using Chitosan – thioglycolic Acid Hydrogel	48057	-	-
7	Plasma Surface Modification of PDMS to Improve Fibroblast Cell Growth for Wound Healing Applications	51573	-	-
8	Cochlear Implant Electrode Configuration for Drug Eluting	US2007/0213799 A1	-	-