



azadeh asefnejad

Educational Information

Grade	Graduated At	Major	University
BSc	2002	Bachelor of Science, applied Chemistry	Azad University
MSc	2005	Master of Science, Biomedical Engineering (Biomaterials)	Azad University Science & Research Branch
Ph.D	2010	Ph.D. of Biomedical Engineering (Biomaterials)	Azad University Science & Research Branch

Employment Information

Service Location	Position Name	Employment Type	Cooperation Type	Base
Azad University Science & Research Branch		(not set)	Full Time	

Executive Activities

Head of Biomaterials engineering department- Azad University Science & Research Branch, Tehran (2012-2018).

Faculty member of Islamic Azad University, Science & Research Branch, Assistant Professor.

Teaching the courses of implantable biomaterials, Drug delivery systems, introductions of biomaterials, Biopolymers, Tissue engineering and scaffolds, biochemistry and biotechnology, Research methods, biomaterial prosthesis.

Member of Iran nanotechnology initiative council.

Think tank of high-tech. in ministry of health.

Collaboration with the Biomedical Engineering Magazine.

Collaboration with the nanomaterials Magazine.

Official referee of international journal of nanomedicine.

Professional Education Subjects

Tissue Engineering

Nanomedicine

Surface Modification
Biopolymers
Nanofibers
Biomaterials and nano/ Biotechnology
Drug delivery and biopolymers
Polymeric Biomaterials Design and Preparation
Wound dressing

Competitions

AWARDS:

First elected at International Competition of Biomaterials in Iran, 2005

Papers in Conferences

1. Ahmadi F, Asefnejad A, Khorasani MT ,Influence of SO₂ Plasma on Cell Attachment to PET Surface ,Eminent Association of Researchers in Biological & Medical Sciences (EARBM) ,March 30, 2018.
2. Sarah Rabiei, Azadeh Asefnejad ,Production of liquid bio -adhesive PVA / PVP with Herbal extracts to wound healing ,International conference of modern research results in science engineering and technology ,March 2016.
3. Sarah Rabiei, Azadeh Asefnejad ,Making wound cover of starch, gelatin, borax to wound healing and blood clotting ,International conference of modern research results in science engineering and technology ,March 2016.
4. Faeze Mojiri, Sarah Rabiei, Azadeh Asefnejad ,Sterile gauze surface modification with starch and gelatin nanofibers for blood coagulation application ,International conference of modern research results in science engineering and technology ,March 2016.
5. Sarah Rabiei, Faeze Mojiri, Azadeh Asefnejad ,Making Polymer Sponge of Gelatin & Starch for the application of emergency blood coagulation ,International conference of modern research results in science engineering and technology ,March 2016.
6. Akbari H, Asefnejad A ,Preparation of Electrospun Poly (vinyl alcohol)/ Poly(ϵ - caprolactone) Hybrid Nanofibers for anti-cancer drugs ,The 3rd IGCC conference ,25th November 2016.
7. Farsi M,Asefnejad A,Movahedi M ,Nano Particles Technologies Cancer Treatment ,The 5th ICSD conference,Iran,july 2018 ,2018.
8. Naderkhamseh H,Asefnejad A,Movahedi M ,Fabrication and Evaluation of Phb/Chitosan Electrospun Nanocomposite Scaffold For Cartilage Tissue Engineering ,The 4th ICSD conference,Iran,july 2017 ,2017.
9. Omid E,Asefnejad A,Movahedi M ,Role Of Cyclodextrine In Development Of Customary And New Drug Delivery System ,The 4th ICSD conference,Iran,july 2017 ,2017.
10. Hanani H,Asefnejad A,Movahedi M ,Study Of Mechanism Performance Of Druge Delivery Pumps ,The 4th ICSD conference,Iran,july 2017 ,2017.
11. Akbari H, Asefnejad A ,Encapsulation of Arsenic terioxide into Polycaprolactone (PCL) Nanofibers ,The 3rd IGCC conference ,2016.
12. Zahra akhoundi, Azadeh Asefnejad ,International Congress on Engineering Innovation and Technology Development ,16-18 FEB 2016, Tabriz, Iran ,2016.
13. S rabiei, J Tavakoli, A Asefnejad ,Design and evaluation of Superabsorbent Hemostatic foam

based on natural polymers ,flinders center for nanoscale science and technology 5th annual conference ,2015.

14. Azadeh Asefnejad, Aliasghar Behnamghader, Mohammad Taghi Khorasani ,Fluorhydroxyapatite/ polyurethane nanocomposite scaffolds for bone tissue engineering ,Second International Conference on Multifunctional, Hybrid & Nanomaterials ,2011.

15. Azadeh Asefnejad, Aliasghar Behnamghader, Mohammad Taghi Khorasani ,Preparation of polyurethane /hydroxyapatite composite scaffold for tissue regeneration ,IASTED International Conference on biomedical engineering ,2010.

16. Azadeh Asefnejad, Aliasghar Behnamghader, Mohammad Taghi Khorasani ,Characterization &&&& Biocompatibility evaluation of porous and biodegradable polyurethane scaffolds based on polycaprolactone ,(International meeting on developments in materials (MPA-2009 ,2009.

Papers in Journals

1. Seyed Mohammad Ahmadi, Aliasghar Behnamghadghader, Azade Asefnejad,Sol-Gel Synthesis, characterization and In Vitro evaluation of SiO₂-CaO-P₂O₅ bioactive glass nanoparticles with various CaO/P₂O₅ Ration,Digest Journal of Nanomaterials and Biostructures,September 2017.
2. Seyed Mohammad Ahmadi, Aliasghar Behnamghadghader, Azade Asefnejad,Synthesis of 58 SiO₂-38 CaO- 4 P₂O₅ bioactive glass nanopowder for use in bone defects repair,Journal of current research in science,2016.
3. Seyed Mohammad Ahmadi, Aliasghar Behnamghadghader, Azade Asefnejad,Evaluation of hMSCs response to sodium alginate / bioactive glass composite paste: effect of CaO/P₂O₅, sodium alginate concentration and P/L ratios,Current stem cell research and therapy,2016.
4. Parastoo Namdarian, Azadeh Asefnejad, Fardad Farokhi,Knowledge Discovery by Decision Tree to Model the Rate of Drug Release from Matrix Substrates,International Journal of Computer Applications,2016.
5. Esmaeil Biazar, Majid Heidari, Azadeh Asefnezhad, Naser Montazeri,The relationship between cellular adhesion and surface roughness in polystyrene modified by microwave plasma radiation,International Journal of Nanomedicine,2016.
6. Azadeh Asefnejad, Aliasghar Behnamghader, Mohammad Taghi Khorasani,Polyurethane/fluorhydroxyapatite nanocomposite scaffolds for bone tissue engineering. Part I: morphological, physical, and mechanical characterization,International Journal of Nanomedicine,Vol. 6,pp. 93–100,2011:6.
7. Azadeh Asefnejad, Mohammad Taghi Khorasani, Aliasghar Behnamghader,Manufacturing of biodegradable polyurethane scaffolds based on polycaprolactone using phase separation method: 1- physical properties and in-vitro assay,International Journal of Nanomedicine,2011:6.
8. Saeed Heidari Keshel, S Neda Kh Azhdadi, Azadeh Asefnezhad, Mohammad Sadraeian, Mohamad Montazeri,The relationship between cellular adhesion and surface roughness for polyurethane modified by microwave plasma radiation,International Journal of Nanomedicine,2011.
9. Jafar Ai, Saeed Heidari K, Fatemeh Ghorbani, Fahimeh Ejazi, Esmaeil Biazar,Azadeh Asefnejad,Fabrication of Coated-Collagen Electrospun PHBV Nanofiber Film by PlasmaMethod and Its Cellular Study,Journal of Nanomaterials,2011.
10. Esmaeil Biazar, Hossein mohammadi, Azadeh Asefnejad,Design of Smart Surface by Nanometric Grafting of NIPAAm with Benzophenone Initiator under UV Radiation,Oriental journal of chemistry,2011.
11. Esmaeil Biazar, S Mahdi Rezayat, Naser Montazeri, Khalil Pourshamsian, Reza Zeinali, Azadeh Asefnejad,The effect of acetaminophen nanoparticles on liver toxicity in a rat model,International Journal of Nanomedicine,2010.
12. Esmaeil Biazar, Reza Zeinali, Naser Montazeri, Khalil Pourshamsian, Mahmoud Jabarvand Behrouz, Azadeh Asefnejad,Cell engineering: nanometric grafting of Poly-Nisopropylacrylamide onto polystyrene film by different doses of gamma radiation,International Journal of Nanomedicine,2010.
13. Esmaeil Biazar, Ali Beitollahi, S Mehdi Rezayat, Tahmineh Forati, Azadeh Asefnejad,Effect of the

mechanical activation on size reduction of crystalline acetaminophen drug particles, International Journal of Nanomedicine, 2009.

Books

1. Implantable Materials in Body
2. New Techniques in Releasing Biological Substances in Body
3. Injectable Biocompatible Materials
4. Biomedical Hydrogels, Biochemistry, Manufacture and Medical Applications