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Citations (Scopus):

351

Supervised MSc Theses

#	Thesis title	By	Date
1	Electrolytic Polycarboxylic Acid/ Nanocrystalline Cellulose./ dendrimer with the amine end group for .drug release	Mokhtar Ezzati & Somayeh Akbari	October 2021
2	Synthesize of anti-bacterial dental composite based-on Bis-GMA and TEGDMA	Kiana Karimi Jebelli & Somayeh Akbari	October 2021
3	controlled release of Essential Oils from needle-less electrospun layers by dendritic materials	Faezeh Aghababaei & Somayeh Akbari	September 2021
4	Comparison of dye diffusions in wood and natural cellulose fibers	Mohammad Hosein Zafari & Somayeh Akbari	April 2021
5	Fabrication and Characterization of composite membranes from Poly(acrylonitrile) /NPs of clay mineral-organic for fibrous filter media application	Erfan Sedighi Moshtaghin & Somayeh Akbari	January 2021
6	preparation and characterization of biocompatible nanocomposite based on acetate cellulose/modified nanocrystal cellulose by amine-terminated dendritic groups	Ali Mianehro & Somayeh Akbari	January 2020
7	Electrospinning PAN Nanofibrous Membrane loaded Silica nanoparticle functionalized by amine-terminated Dendritic polymers	Samane Goftari & Somayeh Akbari	October 2019
8	Preparation and evaluation of silk fibroin nanofibres with controlled oxygen release capability	Mina Aleemardani & Somayeh Akbari	October 2019
9	Electrospinning of nanocomposite mat containing cellulose Nano - crystals and x- ray absorbent compounds for surgical pads application	Melika Roozbahani & Somayeh Akbari	February 2019

10	Release of Essential oils Loaded in Electrospun Mats with Amine Terminated Dendritic Groups	Maryam Mounesan & Somayeh Akbari	October 2018
11	Surface Modification of Thin Film Composite Polyamide Membrane by Amine-Terminated Dendritic Polymers for Enhancement of textile Wastewater Treatment	Pegah Asadi Fard & Somayeh Akbari	October 2018
12	Synthesis of interfacially polymerized polyamide thin films based on hyperbranched polymer film for separation of colored wastewater	Motahareh Ali Akbar Nazari & Somayeh Akbari	February 2018
13	functionalization of nano halloysite via carboxylic acid linkage and dendritic compounds for the removal of organic and inorganic pollutants	Mohammad Kanani Jazi & Somayeh Akbari	October 2017
14	Modification of polycaprolactone with amine-terminated dendrimer and investigating the parameters affecting the nanofibers properties for tissue engineering applications	Pouyan Razmshoar & Somayeh Akbari	October 2017
15	The application of the amine terminated dendritic materials to improve digital printing performance on the textiles	Ali Taherkhani & Somayeh Akbari	February 2017
16	Electrospinning of nylon/amine terminated dendritic groups as carrier system for essential oils	Niluphar Kamrudi & Somayeh Akbari	October 2016
17	Characterization Of various Amine Terminated Dendritic groups for Modification of Acrylic Fiber	Marzie Vasiq Yegane & Somayeh Akbari	October 2016
18	Application of various amine terminated dendritic material in textile wastewater	Mahsa Mohseni & Somayeh Akbari	October 2016
19	Effect of a dendritic structure on the contraction and expansion of acrylonitrile - acrylic acid electrospun fibers	Nafiseh Ghasemi & Somayeh Akbari	February 2016
20	the electrospinning of PLLA/hyperbranched polymer blend with amine terminated group	Elham Aghabagi & Somayeh Akbari	February 2016
21	Textile waste water treatment via modified mineral adsorbent using hyper branched nano structures	Farnaz Shahamati Fard & Somayeh Akbari	October 2015
22	Evaluation of the effect of nanostructure dendritic compound on textiles using an electronic nose	Sahar Seify Gobac Tappe & Somayeh Akbari	October 2015
23	Determining the proper condition for polyvinyl alcohol/ hyper branched polymer electrospinning	Sayyed Ali Mohammadpoor & Somayeh Akbari	February 2015
24	Assessment of smell of various fragrant textile	Sima Shakoorjavan & Somayeh Akbari	October 2014
25	modification of polylactic acid (PLLA) film and electrospun fibers by Hyperbranched polymers	Shirin Khalili Azar & Somayeh Akbari	October 2014
26	dendritic growth of electrospun acrylonitril/acrylic acid copolymer fibers	Ramin Reghanibarzaghar & Somayeh Akbari	November 2011

Books

#	Title	Author(s)	Publisher country	publication date	version
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Portal Records

1	Natural Fibers: Properties, Mechanical Behavior, Functionalization and Applications	Somayeh Akbari, Sima Shakoorjavan	United States	June 2017	1
2	Handbook of Natural Fibres Volume 2: Processing and Applications	Somayeh Akbari, Azita Asayesh, Shirin Khalili Azar, Maryam Razipoor, Niknaz Esmaili	Poland	January 2020	2
3	Nanotechnology-Antibacterial textiles-Test methods	Mahmod Ghazi, Fahim Dokht Mokhtari, Somayeh Akbari, Sepide Arbabi, Elahe Eslami Pour, Farahnaz Behzadi, Bashari Azade, Leila Peaeshk, Hasan Pou Pou, Fariba Peighami	Iran (Islamic Republic of)	February 2017	1
4	Textile - Deodorant quantification - Part 2 - tube detector	Afaghi J, Ostadi H, Atlasi S, Somayeh Akbari, Haj Hosseini A, Tashakori Shad H, Salighe O, Semsarha M, Safaee M, Kamali Miab R, Mokhtari M, Firiba Peighami, Naemi Nia F, Mitra Aghili	Iran (Islamic Republic of)	April 2014	1
5	Textile- Deodorant quantification - Part 1 - General Principles	Afaghi J, Ostadi H, Atlasi Sh, Somayeh Akbari, Haj Hosseini A, Tashakori Shad H, Salighe O, Semsarha M, Safaee M, Kamali Miab R, Mokhtari M, Naemi Nia F, Firiba Peighami, Mitra Aghili	Iran (Islamic Republic of)	April 2014	1

Journal Papers

Portal Records

- 1 Mahsa Delyanee, Atefeh Solouk Mofrad, Somayeh Akbari, Morteza Daliri Joupari, "Hemostatic electrospun nanocomposite containing poly(lactic acid)/ halloysite nanotube functionalized by poly(amidoamine) dendrimer for wound healing application: in vitro and in vivo assays", MACROMOLECULAR BIOSCIENCE, October 2021 Vol. 0, Num. 0, Page 1-39, October 2021,
- 2 Ramin Shadkam, Malek Naderi, , Somayeh Akbari, "Adsorption performance of reduced graphene-oxide/cellulose nano-crystal hybrid aerogels reinforced with waste-paper extracted cellulose-fibers for the removal of toluene pollution", Materialstoday Communications, July 2021 Vol. 28, Num. 28, Page 102610-102622, July 2021,
- 3 Mahsa Delyanee, Somayeh Akbari, Atefeh Solouk Mofrad, "Amine-terminated dendritic polymers as promising nanopatform for diagnostic and therapeutic agents' modification: A review", EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, May 2021 Vol. 221, Num. 1, Page 1-24, May 2021,
- 4 Mahsa Delyanee, Atefeh Solouk Mofrad, Somayeh Akbari, Morteza Daliri Joupari, "Engineered hemostatic bionanocomposite of poly(lactic acid) electrospun mat and amino-modified halloysite for potential application in wound healing", POLYMERS FOR ADVANCED TECHNOLOGIES, April 2021 Vol. 0, Num. 0, Page 1-14, April 2021,
- 5 M. Hezarjaribi, Gh Bakeri, M. Sillanpää, M.J. Chaichi, Somayeh Akbari, A. Rahimpour, "Novel adsorptive PVC nanofibrous/thiol-functionalized TNT composite UF membranes for effective dynamic removal of heavy metal ions", JOURNAL OF ENVIRONMENTAL MANAGEMENT, April 2021 Vol. 284, Num. 111996, Page 1-16, April 2021,
- 6 Atiyeh Ganjalinia, Somayeh Akbari, Atefeh Solouk Mofrad, "Tuning poly (L-lactic acid) scaffolds with poly(amidoamine) and poly(propylene imine) dendrimers: surface chemistry, biodegradation and biocompatibility", JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, February 2021 Vol. 1, Num. 1, Page 1-15, February 2021,
- 7 Mohammad Hassan Kanani Jazi, Somayeh Akbari, "Amino-dendritic and carboxyl functionalized halloysite nanotubes for highly efficient removal of cationic and anionic dyes: Kinetic, isotherm, and thermodynamic studies", Journal of Environmental Chemical Engineering, February 2021 Vol. 9, Num. 105214, Page 1-14, February 2021,

- 8 Erfan Sedighi Moshtaghin, Mohammad Hassan Kanani Jazi, Somayeh Akbari, "Fabrication and Characterization of electrospun nanocomposite based on Acrylic /Halloysite nanotubes for fibrous filter media", , November 2020 Vol. 1, Num. 1, Page 1-12, November 2020,
- 9 M. Hezarjaribi, Gh. Bakeri, M. Sillanpää, M.J. Chaichi, Somayeh Akbari, "Novel adsorptive membrane through embedding thiol-functionalized hydrous manganese oxide into PVC electrospun nanofiber for dynamic removal of Cu(II) and Ni(II) ions from aqueous solution", Journal of Water Process Engineering, October 2020 Vol. 37, Num. 101401, Page 1-17, October 2020,
- 10 Farinaz Jonidi Shariatzadeh, Kasra Goodarzi, Atefeh Solouk Mofrad, Somayeh Akbari, Hamid Mirzadeh, "Injectable drug loaded gelatin based scaffolds as minimally invasive approach for drug delivery system: CNC/PAMAM nanoparticles", EUROPEAN POLYMER JOURNAL, September 2020 Vol. 139, Num. 0, Page 0-0, September 2020,
- 11 Mina Aleemardani, Atefeh Solouk Mofrad, Somayeh Akbari, Mohammad Mehdi Dehghan, Mohammad Moeini, "Silk-derived oxygen-generating electrospun patches for enhancing tissue regeneration: Investigation of calcium peroxide role and its effects on controlled oxygen delivery", MATERIALIA, August 2020 Vol. 14, Num. 1, Page 1-12, August 2020,
- 12 Mohammad Kanani Jazi, Somayeh Akbari, Mohammad Haghighat Kish, "Efficient removal of Cr (VI) from aqueous solution by halloysite/poly (amidoamine) dendritic nano-hybrid materials: kinetic, isotherm and thermodynamic studies", ADVANCED POWDER TECHNOLOGY, August 2020 Vol. 31, Num. 31, Page 4018-4030, August 2020,
- 13 Niluphar Kamrudi, Somayeh Akbari, Mohammad Haghighat Kish, "Enhanced control release of thyme essential oils from electrospun nanofiber/polyamidoamine dendritic polymer for antibacterial platforms", POLYMERS FOR ADVANCED TECHNOLOGIES, February 2020 Vol. 0, Num. 0, Page 1-13, February 2020,
- 14 Niluphar Kamrudi, Somayeh Akbari, Mohammad Haghighat Kish, "The odour assessment of thyme essential oils in electrospun fibre mat with a virtual sensor array data and its relation to antibacterial activity", JOURNAL OF MICROENCAPSULATION, January 2020 Vol. 0, Num. 0, Page 1-17, January 2020,
- 15 Sayyed Ali Mohammadpoor, Somayeh Akbari, Sadrjehani Mehdi, Parviz Nourpanah, "Fabrication of electrospun ibuprofenloaded poly(vinyl alcohol)/hyper-branched poly(ethylenimine) fibers and their release behaviors", JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, November 2019 Vol. 1, Num. 1, Page 1-15, November 2019,
- 16 Pouyan Razmshoar, S.Hajir Bahrami, Somayeh Akbari, "Functional hydrophilic highly biodegradable PCL nanofibers through direct aminolysis of PAMAM dendrimer", INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, August 2019 Vol. 0, Num. 0, Page 1-13, August 2019,
- 17 Mohammad Hassan Kanani Jazi, Somayeh Akbari, "Comparison Between Divergent and Convergent Synthesis Routes of Amine-Terminated Dendrimer Functionalized onto the Halloysite Nanotubes", Aspects in Mining & Mineral Science, August 2019 Vol. 3, Num. 3, Page 1-4, August 2019,
- 18 Mahsa Mohseni, Somayeh Akbari, Elmira Pajootan, "Amine-terminated dendritic polymers as a multifunctional chelating agent for heavy metal ion removals", ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, March 2019 Vol. 0, Num. 0, Page 1-9, March 2019,
- 19 Melika Roozbahani, Somayeh Akbari, Mohammad Haghighat Kish, "PRODUCTION OF X-RAY DETECTABLE PADS WITH THE AID OF ELECTROSPINNING", International Journal of Applied Research on Textile, January 2019 Vol. 0, Num. 0, Page 1-11, January 2019,
- 20 Farhad Asempour, Somayeh Akbari, Du Bai, Daryoush Emadzadeh, Takeshi Matsuura, Boguslaw Kruczek, "Improvement of stability and performance of functionalized halloysite nano tubes-based thin film nanocomposite membranes", JOURNAL OF MEMBRANE SCIENCE, November 2018 Vol. 563, Num. 0, Page 470-480, November 2018,
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- 22 Masoud Dadraschamachaei, Atefeh Solouk Mofrad, Somayeh Akbari, Davoud Sadeghi, Fereshteh Mirahmadi, Hamid Mirzadeh, "Electrospun nanofibers comprising of silk fibroin/gelatin for drug delivery applications: Thyme essential oil and doxycycline monohydrate release study", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, January 2018 Vol. 0, Num. 0, Page 1-12, January 2018,
- 23 Pegah Asadi Fard, Sima Shakoorjavan, Somayeh Akbari, "The relationship between odour intensity and antibacterial durability of encapsulated thyme essential oil by PPI dendrimer on cotton fabrics", JOURNAL OF THE TEXTILE INSTITUTE, September 2017 Vol. 0, Num. 0, Page 1-10, September 2017,

- 24 Mahsa Delyanee, Atefeh Solouk Mofrad, Somayeh Akbari, Ehsan Seyed Jafari, "Modification of Electrospun Poly(L-lactic acid) Polyethylenimine Nanofibrous Scaffolds for Biomedical Application", INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, May 2017 Vol. 0, Num. 0, Page 0-0, May 2017,
- 25 Somayeh Akbari, Nilofar Eslahi, Mohammad Haghghat Kish, "Evaluation of hydrophilic properties of acrylonitrile/acrylic acid copolymer films dendrigrated with citric acid", Polyolefins Journal, February 2017 Vol. 4, Num. 2, Page 1-8, February 2017,
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- 28 Mona Mansouri, Masoumeh Haghbin Nazarpak, Atefeh Solouk Mofrad, Somayeh Akbari, Mohammad Mahdihassani-Sadrabadi, "Magnetic responsive of paclitaxel delivery system based on SPION and palmitoylchitosan", JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, July 2016 Vol. 421, Num. 2017, Page 316-325, July 2016,
- 29 Magdalena Krawczyk, Somayeh Akbari, Magdalena Jeszka-Skowron, Elmira Pajootan, Farnaz Shahamati Fard, "Application of dendrimer modified halloysite nanotubes as a new sorbent for ultrasound-assisted dispersive micro-solid phase extraction and sequential determination of cadmium and lead in water samples", JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY, May 2016 Vol. 31, Num. 0, Page 1505-1514, May 2016,
- 30 Sima Shakoorjavan, Somayeh Akbari, Mohammad Haghghat Kish, Mehdi Akbari, "Correlation of sensory analysis with a virtual sensor array data for odour diagnosis of fragrant fabrics", MEASUREMENT, May 2016 Vol. 90, Num. 0, Page 396-403, May 2016,
- 31 Somayeh Akbari, Mohammad Haghghat Kish, Mohammad Karimi, A.A. Entezami, "Thermal Analysis of Acrylonitrile/Acrylic Acid Copolymer Dendrigrated with Citric Acid", Journal of Textiles and Polymers, April 2016 Vol. 4, Num. 1, Page 27-36, April 2016,
- 32 Farnaz Shahamati Fard, Somayeh Akbari, Elmira Pajootan, Mokhtar Arami, "Enhanced acidic dye adsorption onto the dendrimer-based modified halloysite nanotubes", DESALINATION AND WATER TREATMENT, March 2016 Vol. 57, Num. 54, Page 26222-26239, March 2016,
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- 34 Majid Abdouss, Ahmad Mousavi Shoushtari, Ahmad Majidisimakani, Somayeh Akbari, Aminoddin Haji, "Citric acid-modified acrylic micro and nano fibers for removal of heavy metal ions from aqueous media", DESALINATION AND WATER TREATMENT, November 2014 Vol. 52, Num. 52, Page 7133-7142, November 2014,
- 35 Somayeh Akbari, "The application of dendritic material in Textile engineering", Scientific Bulletin of Escorena, April 2014 Vol. 7, Num. 1, Page 11-26, April 2014,
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Conference Papers

Portal Records


- 1 Paniz Memarian, Atefeh Solouk Mofrad, Zohreh Bagher, Somayeh Akbari, Masoumeh Haghbin Nazarpak, "Preparation and Characterization of PLLA/PAMAM Electrospun Nanofibers", the 8th International Conference on Nanostructures (ICNS8), November 2020





- 2 Ali Mianehro, Somayeh Akbari, Atefeh Solouk Mofrad, Seid Ali Ahmadi, "SURFACE MODIFICATION OF CELLULOSE NANOCRYSTALS BY AMINE-TERMINATED DENDRITIC POLYMERS ", – International Conference on Polymer Chemistry and Biopolymers, November 2019
- 3 Mahsa Delyanee, Atefeh Solouk Mofrad, Somayeh Akbari, Morteza Daliri Joupari, "Electrospun nanocomposite based on poly(L-lactic acid) and halloysite nanotube as wound dressing ", 4th International and 6th National Congress of Wound and Tissue Repair, November 2019
- 4 Mohammad Hassan Kanani Jazi, Somayeh Akbari, Mohammad Haghghat Kish, Grzegorz Schroeder, "Thermodynamics study of carboxylic acid functionalized-halloysite nano-tube sorbent for methylene blue removal ", Proceedings of the 7th International Conference on Nanostructures (ICNS7), February 2019
- 5 Pouyan Razmshoar, S.Hajir Bahrami, Somayeh Akbari, "POLYCAPROLACTONE – DENDRIMER NANOFIBERS AS A NOVEL DRUG DELIVERY SYSTEM ", 4th Iranian Congress on Progress in Tissue Engineering and Regenerative Medicine, November 2018
- 6 Kasra Goodarzi, Farinaz Jonidi Shariatzadeh, Hamid Mirzadeh, Atefeh Solouk Mofrad, Shadab Bagheri, Somayeh Akbari, "Mechanical behavior assay of cellulose nanocrystal (CNC) and polyamidoamine (PAMAM) nano particles reinforced gelatinmethacrylate (Gel-Ma) scaffolds ", 13th International Seminar on Polymer Science and Technology:ISPST 2018, November 2018
- 7 Mohammad Hassan Kanani Jazi, Somayeh Akbari, "Optimization of methylene blue dye batch adsorption by carboxylic acid functionalized nanotube halloysite ", 13th International Seminar on Polymer Science and Technology (ISPST 2018), November 2018
- 8 Ali Mianehro, Somayeh Akbari, Atefeh Solouk Mofrad, Seid Ali Ahmadi, "Surface modification of cellulose nanocrystal through dendrimer with amine end groups ", 13th International Seminar on Polymer Science and Technology (ISPST 2018), November 2018
- 9 Erfan Sedighi Moshtaghin, Somayeh Akbari, Mohammad Hassan Kanani Jazi, "Fabrication of polyacrylonitrile/halloysite nanotube fibrous membranes for face mask application ", 13th International Seminar on Polymer Science and Technology (ISPST 2018), November 2018
- 10 Farinaz Jonidi Shariatzadeh, Kasra Goodarzi, Atefeh Solouk Mofrad, Hamid Mirzadeh, Shadab Bagheri, Somayeh Akbari, "Drug delivery profile study of gelatin-methacrylate (Gel-Ma)/cellulose nano crystal (CNC) and gel-ma/polyamidoamine (PAMAM) scaffolds ", 13th International Seminar on Polymer Science and Technology:ISPST 2018, November 2018
- 11 Samane Goftari, Somayeh Akbari, "Adsorption of acid red 1 onto functionalized silica by amine-terminated dendritic polymers: isotherms and kinetic models ", 13th International Seminar on Polymer Science and Technology (ISPST 2018), November 2018
- 12 Melika Roozbahani, Somayeh Akbari, Mohammad Haghghat Kish, "PRODUCTION OF X-RAY DETECTABLE PADS WITH THE AID OF ELECTROSPINNING ", INTERNATIONAL CONFERENCE OF APPLIED RESEARCH ON TEXTILE, CIRAT-8, October 2018
- 13 Kasra Goodarzi, Hamid Mirzadeh, Atefeh Solouk Mofrad, Somayeh Akbari, "Shape memory scaffold for minimally invasive cartilage tissue engineering ", The First International Iranian Tissue Engineering and Regenerative Medicine Congress :ITERM 2018, July 2018
- 14 Mohammad Kanani Jazi, Somayeh Akbari, Mohammad Haghghat Kish, Elmira Pajootan, "Functionalized halloysite for the removal of Acid Red 1 from Simulated Textile wastewater ", International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM2017), November 2017
- 15 Samaneh Goftari, Somayeh Akbari, "Functionalization of silica particle by amino-terminated dendrimer-like polyamidoamine polymer for adsorption of acid red 1 ", International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM2017), November 2017
- 16 Maryam Mounesan, Somayeh Akbari, Mohammad Haghghat Kish, "Extended Release Eucalyptus from Poly (acrylonitrile) Electro spun Mats for Breathing Mask Applications ", International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM2017), November 2017
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- 18 Farhad Asempour, Somayeh Akbari, Daryoush Emadzadeh, Boguslaw Kruczek, "Preparation and Characterization of a Novel Reverse Osmosis Thin Film Nanocomposite (TFN) Membrane using Dendritic Functionalized Halloysite Nanotubes (HNT) ", 67th Canadian Chemical Engineering Conference, November 2017
- 19 Mahdi Khalili, Atefeh Solouk Mofrad, Masoumeh Haghbin Nazarpak, Somayeh Akbari, "Preparation and characterization of silver nanoparticles using Polypropylenimine-G2 dendrimers for biomedical applications ", 2nd Nanomedicine and Nanosafety Conference, November 2017
- 20 Maryam Mounesan, Somayeh Akbari, Mohammad Haghighat Kish, "Long lasting electrospun fiber with essential oil for mask application ", 4th International Conference Technology transfer for the development of new products in agriculture and industry, June 2017
- 21 Mohammad Kanani Jazi, Somayeh Akbari, Mohammad Haghighat Kish, Elmira Pajootan, "Functionalization of halloysite sorbent via carboxylic acid linkage and amine-terminated dendritic groups for the removal of Cr (III) from aqueous solution ", 4th International Conference Technology transfer for the development of new products in agriculture and industry, June 2017
- 22 Nadia Ebrahimpour Tolouei, Somayeh Akbari, Mahsa Delyanee, "Advanced electrospun nanocomposites fibers based on polylactic acid/halloysite nanotube for biomedical application ", 4th International Conference Technology transfer for the development of new products in agriculture and industry, June 2017
- 23 Pouyan Razmshoar, S.Hajir Bahrami, Somayeh Akbari, "Nanofiber scaffolds from PCL/ Poly(amidoamine) dendrimers ", INN International Conference/Workshop on "Nanotechnology and Nanomedicine", May 2017
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- 25 Ali Taherkhani, Somayeh Akbari, Seyed Hossein Amirshahi, F. Mazaheri, "Modification of cotton fabric via amine-terminated dendritic group to improve the ink-jet printing properties ", 12th International Seminar on Polymer Science and Technology, November 2016
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- 27 Marzie Vasiq Yegane, Somayeh Akbari, Elmira Pajootan, Ahmad Mousavi Shoushtari, "Modification of acrylic fibers using amine terminated hyperbranched polymer for dye removal from wastewater ", 12th International Seminar on Polymer Science and Technology, November 2016
- 28 Mahsa Mohseni, Elmira Pajootan, Somayeh Akbari, "The Removal of Cu²⁺ Ions from Wastewater Using Amine Terminated Hyperbranched Polymer by Adsorption Process ", 6th International Conference on Nanoscience and Nanotechnology (ICNN 2016), October 2016
- 29 Pegah Asadi Fard, Somayeh Akbari, F. Mazaheri, Ryszard Kozłowski, Kajetan Pyrzyński, Agnieszka Michalska, "RELEASE BEHAVIOR OF THYME AND ROSA DAMASCENA FRAGRANCES FROM PPI DENDRIMER INTO THE NATURAL FABRICS VIA AN ELECTRONIC NOSE ", NanoTech Poland 2016 - International Conference and Exhibition, June 2016
- 30 Atiyeh Ganjalinia, Somayeh Akbari, Atefeh Solouk Mofrad, "IN VITRO CYTOCOMPATIBILITY OF POLY (L) LACTIC ACID SCAFFOLD FABRICATED BY AMINE-TERMINATED HYPER-BRANCHED POLYMER (HBP) ", NanoTech Poland 2016 - International Conference and Exhibition, June 2016
- 31 Niluphar Kamrudi, Somayeh Akbari, Mohammad Haghighat Kish, "EVALUATION OF LONG-LASTING RELEASE BEHAVIOR OF NYLON-6/ THYME OIL NANO FIBER MAT BY E-NOSE TECHNIQUE ", NanoTech Poland 2016 - International Conference and Exhibition, June 2016
- 32 Farnaz Shahamati Fard, Somayeh Akbari, Elmira Pajootan, Ryszard Kozłowski, Grzegorz Schroeder, "HEAVY METAL ION ADSORPTION ONTO THE AMINE TERMINATED MODIFIED HALLOYSITE NANOTUBES ", NanoTech Poland 2016 - International Conference and Exhibition, June 2016
- 33 Somayeh Akbari, Elmira Pajootan, Shirin Khalili Azar, Farnaz Shahamati Fard, Nadia Ebrahimpour Tolouei, "APPLICATION OF AMINE TERMINATED DENDRITIC MATERIAL FOR MULTIPURPOSE MODIFICATION OF MEDICAL COTTON GAUZE ", NanoTech Poland 2016 - International Conference and Exhibition, June 2016

- 34 Mahsa Mohseni, Somayeh Akbari, Elmira Pajootan, F. Mazaheri, Kajetan Pyrzy?Ski, Lidia Idziak, "AMINE TERMINATED HYPERBRANCHED POLYMER IN HEAVY METAL ION REMOVAL FROM WASTEWATER ", NanoTech Poland 2016 - International Conference and Exhibition, June 2016
- 35 Atiyeh Ganjalinia, Somayeh Akbari, Atefeh Solouk Mofrad, M. Mossahebi-Mohammadi, "Fabrication and characterization of novel aminolysed Poly (L) lactic Acid (PLLA) scaffolds via amine terminated dendritic groups ", Proceedings of the 6th International Conference on Nanostructures (ICNS6) 7-10 March 2016, Kish Island, Iran, March 2016
- 36 Farnaz Shahamati Fard, Anahita Ghasempour, Elmira Pajootan, Somayeh Akbari, S.Hajir Bahrami, "Modification of Graphene Oxide and Halloysite Nanotubes by Poly(propylene imine) Dendrimer to Improve the Dye Removal Efficiency ", 13th Asian Textile conference, November 2015
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- 38 Mahsa Delyanee, Atefeh Solouk Mofrad, Somayeh Akbari, Ehsan Seyedjafari, "Fabrication of PLLA electrospun nanofibers with gelatin coating for cartilage tissue engineering ", 2nd Iranian congress on progress in tissue engineering and regenerative medicine, November 2015
- 39 Shirin Khalili Azar, Somayeh Akbari, Mohammad Haghighat Kish, "Host guest chemistry of the modified PLLA membrane by PPI dendrimer nano structure ", international Conference on Ultrafine Grained and Nano-Structured Materials, November 2015
- 40 Sima Shakoorjavan, Somayeh Akbari, Mohammad Haghighat Kish, Mehdi Akbari, "The odor assessment of perfumed fabrics using PPI-G2 dendrimer as nano-structure material and its effect on odor durability in the air ", international Conference on Ultrafine Grained and Nano-Structured Materials, November 2015
- 41 Farnaz Shahamati Fard, Somayeh Akbari, Elmira Pajootan, Mokhtar Arami, "Adsorption of Anionic Dye Molecules via NH2 Terminated Dendritic Halloysite ", international Conference on Ultrafine Grained and Nano-Structured Materials, November 2015
- 42 Mahsa Delyanee, Atefeh Solouk Mofrad, Somayeh Akbari, Ehsan Seyed Jafari, "Chondrogenic differentiation of stem cells within scaffold as signaling factor: relevance for cartilage tissue engineering ", International Congress on Stem Cells and Regenerative Medicine, May 2015
- 43 Shirin Khalili Azar, Somayeh Akbari, Mohammad Haghighat Kish, "The Impact of Poly (Propylene Imine) Dendrimer-Grafted to Poly (lactic Acid) Membrane Surfaces on Water Adsorption ", 11th International Seminar on Polymer Science and Technology, October 2014
- 44 Sayyed Ali Mohammadpoor, Somayeh Akbari, Parviz Nourpanah, Mohammad Haghighat Kish, "PVA/ PEI Hyperbranched Nanofibrous Mat for Potential Application as a Transdermal Drug Delivery System ", 11th International Seminar on Polymer Science and Technology, October 2014
- 45 Farnaz Shahamati Fard, Somayeh Akbari, Elmira Pajootan, Mokhtar Arami, "Functionalized Halloysite Nanotubes with Amine Dendrimer for the Adsorption of Acidic Dye from Textile Wastewater ", 11th International Seminar on Polymer Science and Technology, October 2014
- 46 Paria Rahimian Esfahani, Somayeh Akbari, Mohammad Karimi, "Electrospun Poly-?-Caprolactone/Poly (Propylene Imine) Dendrimer Nanofiber Mats (PCI/PPI) as an Effective Drug Delivery System ", 11th International Seminar on Polymer Science and Technology, October 2014
- 47 Zahra Afshari, Somayeh Akbari, Mohammad Haghighat Kish, Mansoureh Ghanbar Afjeh, "surface modification of nylon6 fibers using dendrimeric compounds ", 9th National Textile Engineering Conference, May 2014

Taught Courses

#	Course title	Description	Headlines	Date
1	Research Method & Report Writings	Introduction of research methodology and report writing		Fall 2021

2	Fiber Science	Introduction topolymer and fiber science and characteristic in textile application		Fall 2021
3	Fiber Structure	Investigation on the fiber structure		Spring 2021
4	Fiber Science	Introduction topolymer and fiber science and characteristic in textile application		Spring 2021
5	Surface Modification and Evaluation Methods of Polymers and Fibers	The basic principles of chemical and physical surface of polymers and fibers for surface modification and Its Evaluation Methods		Spring 2021
6	Fiber Science	Introduction topolymer and fiber science and characteristic in textile application		Fall 2020
7	Research Method & Report Writings	Introduction of research methodology and report writing		Fall 2020

Inventions/Patents

#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
1	ANTIBACTERIAL NANOFIBROUS LAYER	PCT/IB2018/055222			2018/07/1	2038/01/19
2	Simultaneous Electrospinning of essential oil containing dendritic polymers in polymeric solution.	94198			2017/11/1	2037/02/1
3	Surface modification of aliphatic polyester by dendritic polymeric materials with amine end groups	90971			2017/01/1	2036/04/1
4	The odor of textiles assessment machine	88983			2016/06/1	2035/12/1