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1553

Supervised PhD Theses

#	Thesis title	By	Date
1	Fabrication of PP/PTT/Nanoclay blend fibers with tailored properties	Mohammad Reza Habibollah Zargar & Ahmad Mousavi Shoushtari	March 2019
2	application of amine nanodendrimer on pp nonwoven using oxygen plasma and evaluating the adsorption properties	Aminoddin Haji & Ahmad Mousavi Shoushtari	August 2014
3	production and characterization of aerogel fibrous nanocomposite for thermal insulation applications	Zahra Talebimazraehshahi & Ahmad Mousavi Shoushtari	June 2014

Supervised MSc Theses

#	Thesis title	By	Date
1	Production and Characterization of Polyethylene terephthalate fiber using the copper nano compounds during the melt spinning process	Sepide Heydari & Ahmad Mousavi Shoushtari	September 2021
2	Antistatic properties modification of polyethylene terephthalate	Zahra Karami & Ahmad Mousavi Shoushtari	April 2021
3	Fabrication of porous PET yarns by using sodium chloride and investigation their properties	Neda Aziziha & Ahmad Mousavi Shoushtari	October 2018
4	Fabrication of nanocapsules polyethylene glycol and carbon nanoparticles composite having heat energy storage property and stabilizing them on nanofibers layer	Sara Tirband & Ahmad Mousavi Shoushtari	July 2018

5	melt spinning of luminescence polyester nanocomposite fiber and studying physical properties of fibers	Alireza Bastany & Ahmad Mousavi Shoushtari	February 2018
6	Effect of Zno nanoparticle morphology and its placement on Uv protecting of Nylon /Zno composite nanofibers	Alireza Gholamhoseini & Ahmad Mousavi Shoushtari	January 2018
7	Characterization Of various Amine Terminated Dendritic groups for Modification of Acrylic Fiber	Marzie Vasiq Yegane & Ahmad Mousavi Shoushtari	October 2016
8	The effects of electrospun special acrylic nano fibers diameter on the stabilizing process to produce carbon nano fibers	Fariba Namazi & Ahmad Mousavi Shoushtari	February 2016
9	the influence of plasma treatment on the surface characterization and mechanical properties of the carbon fibre used in composites	Meysam Bagheri & Ahmad Mousavi Shoushtari	February 2016
10	Producing of PAN/PEG phase change nano fibers containing of nano particles and investigation on their morphology and thermal behaviors	Zahra Esmailzade & Ahmad Mousavi Shoushtari	October 2014
11	Fabrication of composite nano-filter from PAN nanofibers mat on napped woven fabric substrate	Saman Nasherolahkam & Ahmad Mousavi Shoushtari	October 2014
12	Enhancement of self cleaning of PET/WOOL fabric using nano Tio2 and plasma	Ensieh Tabatabaeian & Ahmad Mousavi Shoushtari	December 2013
13	Formation analysis pan nanfiber layer on several layers of nonwoven fluffy	Mohammad Reza Bahavar & Ahmad Mousavi Shoushtari	October 2013
14	Synthesis nano -structures composite containing metal hydride materials as hydrogen storage and investigation on their hydrogen storage capacity	Javad Alipour Fargi & Ahmad Mousavi Shoushtari	October 2013
15	production of nano clay/polypropylene composite fibers and studies the effect of nano clay composition on their thermal physical properties	Reza Faghiri Gheybgholi & Ahmad Mousavi Shoushtari	October 2013
16	Effect of Zon/Cnt/Pan composite nanofiber on absorption properties of electromagnetic and UV	Javad Mirzaei & Ahmad Mousavi Shoushtari	September 2013
17	Manufacturing and characterising of Chitosan/Polyester nanifibrous layer for removal of heavy metal ions from aqueous solutions	Mohsen Askari & Ahmad Mousavi Shoushtari	February 2013
18	Preparation and characterization of Polyaniline composites for Electromagnetic interference shielding	Golestan Salimbeigi & Ahmad Mousavi Shoushtari	November 2012
19	Electrospinning and production of PAN or PEG nanofibrous structures with a phase change material	Babak Rezaei & Ahmad Mousavi Shoushtari	October 2012
20	effects of simultaneous application of PP fiber and nano particles on physical and mechanical properties of fiber reinforced concrete	Moein Mehdipoor Mir Mahale & Ahmad Mousavi Shoushtari	September 2012
21	production and characterization of quantum dot/nanofibers composite with the ability of using as optical sensor for volatile organic compounds(VOCS	Matin Mahmodifard & Ahmad Mousavi Shoushtari	October 2011

22	The Effect of Adding PU&PAN Nanofibers and nano Clay & CNT Particles on Sound Absorption of Polyurethane Foam	Hossain Bahrambigi & Ahmad Mousavi Shoushtari	October 2011
23	Studies on the Behavior of Sound Absorption of Wool and Polyester nonowoven / Pu and PAN nanofibers Composites	Amir Rabbi & Ahmad Mousavi Shoushtari	October 2011
24	Production and Characterization of composite nanofibers with ability of hydrogen storage	Komeil Nasourikomamard & Ahmad Mousavi Shoushtari	September 2011
25	Comparative studies on physical properties of PET and polyblend PET/PBT textured yarns	Mina Mohammadi Khorasani & Ahmad Mousavi Shoushtari	January 2010
26	Improving in Properties of shape memory fiber by incorporating carbon nanotubes	Samira Farshid & Ahmad Mousavi Shoushtari	November 2009
27	studies on nano structural modification on polypropylen by simultaneous plasma and grafting treatments	Azadeh Jafari & Ahmad Mousavi Shoushtari	December 2008
28	Processing and characterization of composite nanofibers from various polymeric solutions	Zainab Vakhshoori Moghanloo & Ahmad Mousavi Shoushtari	December 2008
29	Production of industrial PET filament yarns by optimizing drawing process parameters and characterization of its structural and physical properties	Maryam Mehrafroozmayvan & Ahmad Mousavi Shoushtari	December 2008
30	spinnability and physical properties of pp filament yarn produced from pp fibrous wastes	Faezeh Sabzehee & Ahmad Mousavi Shoushtari	November 2008
31	PRODUCTION AND CHARACTERIZATION OF POLYACRYLONITRIL/CARBON NANOTUBE COMPOSITE NANOFIBER PRODUCED BY ELECTROSPINNING	Hossein Najdaki & Ahmad Mousavi Shoushtari	August 2008
32	STUDIES ON EFFICIENCY OF AIR FILTER MEDIA COATED BY NANOFIBER LAYERS	Kamal Doostdar Gharehooneh & Ahmad Mousavi Shoushtari	October 2007
33	INVESTIGATION OF SIMULTANEOUS EFFECT OF EXTRUSION TEMPERATURE AND COOLING CONDITION ON PHYSICAL PROPERTIES AND THERMAL BEHAVIOUR OF POLPROPYLENE AS-SPUN YARN	Hoda Kasraie & Ahmad Mousavi Shoushtari	October 2007

Journal Papers

Portal Records

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- 2 Babak Rezaei, Ahmad Mousavi Shoushtari, Mohammad Rabiee, Lokman Uzun, Anthony P.F. Turner, Wing Cheung Mak, "Multifactorial modeling and optimization of solution and electrospinning parameters to generate superfine polystyrene nanofibers", ADVANCES IN POLYMER TECHNOLOGY, February 2018 Vol. 0, Num. 0, Page 1-13, February 2018,

- 3 Babak Rezaei, Ahmad Mousavi Shoushtari, Mohammad Rabiee, Lokman Uzun, Wing Cheung Mak, Anthony P.F. Turner, "An electrochemical immunosensor for cardiac Troponin I using electrospun carboxylated multi-walled carbon nanotube-whiskered nanofibres", *TALANTA*, January 2018 Vol. 182, Num. 0, Page 178-186, January 2018,
- 4 Aliakbar Merati, Ahmad Mousavi Shoushtari, Javad Mirzaei, "A comparison between the UV protection of PAN/ZnO and PAN/MWNT composite nanofiber mats", *JOURNAL OF THE TEXTILE INSTITUTE*, December 2017 Vol. 108, Num. 12, Page 2086-2089, December 2017,
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- 10 Aminodin Haji, Ahmad Mousavi Shoushtari, Firoozmehr Mazaheri, Ensieh Tabatabaieian, "RSM optimized self-cleaning nano-finishing on polyester/wool fabric pretreated with oxygen plasma", *JOURNAL OF THE TEXTILE INSTITUTE*, May 2016 Vol. 107, Num. 8, Page 985-994, May 2016,
- 11 Meysam Bagheri, Ahmad Mousavi Shoushtari, Ehsanollah Nosrati Sabet, Aminoddin Haji, "Influence of oxygen plasma treatment parameters on the properties of carbon fiber", *JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY*, May 2016 Vol. 30, Num. 21, Page 2372-2382, May 2016,
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Inventions/Patents

#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
1	Producing texturisable filament yarn from PP/LDPE blend	38509439			2006/12/1	2026/12/1
2	Production and processing of polypropylene nanocomposite filament yarns with stable antibacterial properties	38508121			2006/10/1	2026/10/1