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h-index (Scopus):

18

Citations (Scopus):

1082

Supervised PhD Theses

#	Thesis title	By	Date
1	Fabrication of PVDF / PU nanofiber layers and investigation of the effect of tensile cyclic loading on electrical energy harvesting	Behrang Adeli & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	February 2022
2	tensile behavior of twill woven fabrics using energy method	Mostafa Jamshidi Avanaki & Ali Asghar Asgharian Jeddi	January 2014
3	study on the effects of tensile stresses on the capillary pores of nanofiber yarns	Farideh Hajiani & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	January 2013
4	the oretical and experimental analysis of thensile behavior of warp knitted fabrics using energy method	Hadi Dabiryan & Ali Asghar Asgharian Jeddi	November 2011
5	Effect of Some Features of PAN and PP Fibers on Optical Characteristic of Floor Coverings	Ali Shams Nateri & Ali Asghar Asgharian Jeddi	September 2002

Supervised MSc Theses

#	Thesis title	By	Date
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1	Investigating the flexural behavior of concrete-mortar composites reinforced with net warp-knitted spacer fabrics	Ali Khosravi & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	October 2022
2	Numerical and experimental analysis of impact behavior of foam base composite reinforced with warp-knitted spacer fabric	Amirhossein Dodankeh & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	October 2022
3	The effect of polypropylene flexible strings geometry on flexural strength of concrete	Ghazal Montazerolghaem & Ali Asghar Asgharian Jeddi Other Supervisor: Mohammadali Tavaneh	July 2022
4	Effect of changing density of plain fabric on moisture transfer in layer fabric	Fatemeh Khorram & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	September 2021
5	Production and Analysis of Deformation Behavior of 3-Ply Auxetic Yarn Under Tensile Loading	Milad Razbin & Ali Asghar Asgharian Jeddi	October 2020
6	Development and Manufacturing the Production Mechanism of polar fabric with Constant Radial Density	Farshad Khani & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	September 2020
7	Prototyping and analysis of the properties of the 3D woven orthogonal fabric	Yazdan Assarzadeh & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	January 2020
8	Improvement of two guide bar warp knitted fabrics formability by changing the fabric structure (tricot, locknit and satin)	Shiva Aghazadeh & Ali Asghar Asgharian Jeddi Other Supervisor: Mirreza Taheri Otaghsara	September 2019
9	Experimental analysis of the relation between tensile and bursting properties of net warp knitted fabrics used as surgical mesh	Melika Badin Daresh & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	September 2019
10	The Effect of Fabric Structure and Mould Shape on Mouldability of Weft Knitted Fabrics	Hossein Vaezi & Ali Asghar Asgharian Jeddi Other Supervisor: Mirreza Taheri Otaghsara	November 2018
11	The Influence of Fabric Structure on Sound Absorption Ability of Warp Knitted Spacer Fabrics	Mohammad Davoudabadifarahani & Ali Asghar Asgharian Jeddi	September 2018
12	The effect of loop length of (plain, rib1*1 and interlock) weft knitted fabrics on fabric deformation under uniaxial tensile force	Parisa Aro & Ali Asghar Asgharian Jeddi	June 2018
13	The influence of mechanical properties of layers on the bearing capacity of soil reinforced with warp-knitted geocells	Zohre Rafiee & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	February 2018
14	production of bulky porous nano - fibrous web from shape- memory polyurethane	Yasaman Hedayati Zafaghani & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	February 2018

15	The Effect of Nano fiber Orientation on spreading and Wicking in Nylon 6 Nanofibrous Layers	Marzieh Yeganeh Rad & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	September 2017
16	(New Mechanism Designing of Weft Insertion (by Shuttle- Shuttle rail	Seyyed Mehdi Jamali & Ali Asghar Asgharian Jeddi Other Supervisor: Hooshang Nosraty	July 2017
17	Comparison of the tensile properties of polyacrylonitrile nano fibrous composites fabricated by insitue and conventional methods	Anatay Zarehshi & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	February 2017
18	designing and manufacturing of mechanism to produce central symmetry fabrics and investigation of their mechanical properties	Ali Rezaei & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	February 2017
19	The Influence of weft knitted spacer structure of their deformation under uniaxial tensile	Azar Khoiniha & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	February 2016
20	investigation of compression properties of weft knitted spacer fabric - reinforced composite	Bitaa Roohi & Ali Asghar Asgharian Jeddi Other Supervisor: Hooshang Nosraty	February 2016
21	theoretical and experimental analysis of bending rigidity of plain and twill woven fabric structures	Mohammadreza Sadeghi & Ali Asghar Asgharian Jeddi Other Supervisor: Saeed Shaikhzadeh Najari	December 2015
22	Mechanical analysis of internal characteristics of rib knitted fabrics using yarn pull-out	Mahdiyeh Rezaei Azhar & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	November 2015
23	Effect of Ti o2 nano particles percentage on diameter variations of PAN/ Tio2 and PA/Ti o2 nanofibers	Fereshteh Amini & Ali Asghar Asgharian Jeddi Other Supervisor: Masoud Latifi	November 2015
24	The influence of fabric structure on sound absorption behavior of spacer weft knitted structures	Maede Zare & Ali Asghar Asgharian Jeddi Other Supervisor: S.Mohammad Hosseini Varkiani	October 2015
25	Investigation of warp knitted fabric deformation under uniaxial tension	Sahar Kalani & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	February 2015
26	Study of Dimensional properties of weft knitted fabrics under different relaxation methods	Arezoo Azimi & Ali Asghar Asgharian Jeddi	January 2015
27	Effect of fabric structure and mould diameter on glass woven fabrics formability	Fardin Allahyari & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryani	December 2014

28	Fabrication and characterisation of hollow nano fiber yarns produced from poly lactic acid nano fibers	Seyedeh Nooshin Bani Taba & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Gharehaghaji	September 2014
29	Investigation of effect of ply orientation on delamination behavior of laminated composites under compressive load	Ezatollah Amini & Ali Asghar Asgharian Jeddi Other Supervisor: Hamid Reza Ovesy	January 2014
30	influence of two (bar warp knitted structure on the fabric stress relaxation(tricot -satin-locknite	Tuba Ardakani & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	September 2013
31	influence of two bar warp knitted structure on the fabric stress relaxation(tricot-reverse (locknite-sharkskirin-queens cord	Nasrin Hashemi & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	September 2013
32	the influence of woven fabric structures on tensile properties in all direction	Leila Haft Baradaran & Ali Asghar Asgharian Jeddi	July 2013
33	tensile properties estimation of woven fabrics and composites based on structural index	Hanie Hasanabadi & Ali Asghar Asgharian Jeddi	November 2012
34	the influence of the dencity of woven reinforcement on mechanical properties of composite pipe under high pressure	Hooman Amid & Ali Asghar Asgharian Jeddi Other Supervisor: Manouchehr Salehi	February 2012
35	Optimization of Ultrasonic Method Parameters to Reach to Full Relaxation of Cotton Plain Weft Knitted Fabric	Samaneh Faghihi & Ali Asghar Asgharian Jeddi	January 2012
36	Investigation of internal energy variations of plain woven fabrics due to its dimensions variations during relaxation process	Hadi Sharifi & Ali Asghar Asgharian Jeddi	January 2012
37	Investigation the Effect of Weft Yarn Type on the Mechanical Properties of Woven Carpet	Samira Mohammadi & Ali Asghar Asgharian Jeddi Other Supervisor: Abdol Hossein Sadeghi	November 2010
38	Relationship Between the Aspects of Multi-direction Frictional Behavior and Structure of Woven Fabrics	Jalil Naghd Bishi & Ali Asghar Asgharian Jeddi Other Supervisor: Siamak Saharkhiz	October 2010
39	Mechanical analysis of yarn pullout test to characterize of plain knitted fabric	Elahe Niaz Khani & Ali Asghar Asgharian Jeddi	September 2010
40	Analysis of tensile behavior of Woven Fabric in its Nonlinear Region Using Poissons Ratio	Kianoosh Hosseini & Ali Asghar Asgharian Jeddi	September 2010
41	The effect of Woven fabric structure on bending and tensile properties	Shafagh Dinperest Tohidi & Ali Asghar Asgharian Jeddi Other Supervisor: Hooshang Nosraty	December 2009
42	Reinforcing efficiency of warp knitted fabrics in cement composites	Amin Zamani & Ali Asghar Asgharian Jeddi Other Supervisor: Aliakbar Ramezaniapor	December 2009
43	Investigation of uniaxial tension effects on plain weft knitted fabric porosity shape	Sahar Abdol Malaki & Ali Asghar Asgharian Jeddi	November 2009

44	The effect of Woven fabric Structure on Particle Filtration efficiency	Hasan Salimi & Ali Asghar Asgharian Jeddi Other Supervisor: Hassan Rahimzadeh	October 2009
45	The investigation of pressure delivery and pressure reduction of weft knitted fabrics (plain, interlock)	Homa Maleki & Ali Asghar Asgharian Jeddi Other Supervisor: Abdol Hossein Sadeghi	October 2009
46	The influence of fabric structure on the filament woven fabric frictional properties	Farideh Ghanbari Tilami & Ali Asghar Asgharian Jeddi Other Supervisor: Hooshang Nosraty	November 2008
47	STUDY AND MODELING OF SOUND ABSORPTION DIFFERENT WEFT KNITTED FABRIC GEOMETRY	Mojdeh Ghahremany Honarvar & Ali Asghar Asgharian Jeddi Other Supervisor: Mohammad Amani Tehran	February 2008
48	DESIGN AND FABRICATION OF SOUND ABSORPTION COEFFICIENT APPARATUS TO DETERMINE THE RELATIONSHIP BETWEEN SOUND ABSORPTION AND NONWOVEN STRUCTURE	Mahmood Dadash & Ali Asghar Asgharian Jeddi Other Supervisor: A.S. Nobari	January 2008
49	DESIGN OF FABRICATION A RING FOR MEASUREMENT FABRIC FRICTION IN MULTIDIRECTION	Amir Haeri & Ali Asghar Asgharian Jeddi Other Supervisor: Siamak Saharkhiz	December 2007
50	INFLUENCE OF PARAMETER PRODUCTION OF NANWOVEN SPUNLACE ON ABSORBENCY	Farideh Hajjani & Ali Asghar Asgharian Jeddi Other Supervisor: S.Mohammad Hosseini Varkiani	November 2007
51	INFLUENCE OF YARN FRICTIONAL PROPERTIES ON FRICTIONAL PROPERTIES OF WOVEN FABRICS	Mohammad Reza Amirpour Banadake & Ali Asghar Asgharian Jeddi Other Supervisor: Hooshang Nosraty	October 2007
52	INFLUENCE OF STRUCTURAL VARIATIONS OF WEFT KNITTED FABRICS ON CAPACITY OF HEAT TRANSFER OF FABRICS	Mahshid Pirae & Ali Asghar Asgharian Jeddi Other Supervisor: Siamak Saharkhiz	October 2007
53	Correction of the results analysis section Correction of the words and terms used Spelling corrections	Aysan Taghavi & Ali Asghar Asgharian Jeddi Other Supervisor: Hadi Dabiryan	September 2025
54	The effect of elastic yarn alignment in the fabric structure on the tensile stress relaxation of weft-knitted elastic fabrics	Zakieh Kiani Salmi & Ali Asghar Asgharian Jeddi Other Supervisor: Azita Asayesh	March 2025

Journal Papers

- 1 Shiva Aghazadeh, Ali Asghar Asgharian Jeddi, Mirreza Taheri Otahsara, "The effect of mold shape on the warp-knitted fabric formability", Journal of The Textile Institute, July 2024 vol. آن-لاين, no. 0, pp.1-12, 2024.

- 2 Mohammadreza Sadeghi, S.Mohammad Hosseini Varkiani, Ali Asghar Asgharian Jeddi, "Modeling the flexural rigidity of spunlace nonwoven fabrics", Journal of The Textile Institute, January 2024 vol. on line, no. 0, pp.1-12, 2024.
- 3 Mohammadreza Sadeghi, S.Mohammad Hosseini Varkiani, Ali Asghar Asgharian Jeddi, "Machine learning in optimization of nonwoven fabric bending rigidity in spunlace production line", Scientific Reports, October 2023 vol. on line, no. 17702, pp.1-17, 2023.
- 4 Reza Ghasemi, Abdol Hossein Sadeghi, Ali Asghar Asgharian Jeddi, "The Third Generation of Artificial Football Turf: Effect of the Structural Components on Shock Absorption", Journal of Textiles and Polymers, September 2023 vol. 11, no. 1, pp.27-34, 2023.
- 5 Behrang Adeli, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, "Energy Harvesting by Cyclic Tensile Loading and Buckling via an Electrospun Polyblend Elastic Layer of PVDF/PU", Fibers and Polymers, September 2023 vol. 1, no. 24, pp.3839-3850, 2023.
- 6 Mohammad Davoudabadifarhani, Ali Asghar Asgharian Jeddi, Mahdi Hasanzadeh, "Predicting the Sound Absorption Performance of Warp-Knitted Spacer Fabrics via an Artificial Neural Network System", Fibers and Polymers, March 2023 vol. 2023, no. 24, pp.1491-1501, 2023.
- 7 Behrang Adeli, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, "Investigation of the Possibility of Generating Electric Current from PVDF/PU Polymer Alloy Layer under Cyclic Tensile Loading", Journal of Textiles and Polymers, February 2023 vol. 10, no. 4, pp.21-32, 2023.
- 8 Milad Dehnad, Mehdi Kamali Dolatabadi, Mehdi Ahmadi Najafabadi, Ali Asghar Asgharian Jeddi, "Behavior of woven fabric composite under tensile loads in different directions using acoustic emission", Journal of Industrial Textiles, September 2022 vol. 52, no. 0, pp.1-21, 2022.
- 9 Melika Badin Dahesh, Azita Asayesh, Ali Asghar Asgharian Jeddi, "A novel method for evaluating the tensile behavior isotropy of surgical meshes based on the analysis of the polar graph of tensile properties using image processing method", Journal of Industrial Textiles, May 2022 vol. 51, no. 1, pp.569-586, 2022.
- 10 Milad Razbin, Mostafa Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, "Application of artificial neural network and full factorial method to predict the Poisson's ratio of double core helical auxetic yarn", Journal of The Textile Institute, January 2022 vol. 114, no. 2, pp.198-206, 2022.
- 11 Milad Razbin, Mostafa Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, Hadi Dabiryan, "Maximum Negative Poisson's Ratio of Double-Core Helical Auxetic Yarns Under Uniaxial Loading: A Study on the Effect of Structural Parameters via Full Factorial Experimental Design Method", Journal of Textiles and Polymers, July 2021 vol. 9, no. 3, pp.37-44, 2021.
- 12 Vahid Ghorbani, Ali Asghar Asgharian Jeddi, Hadi Dabiryan, "Role of Fabric Structure on the Second Tensile Elastic Modulus of Net Warp-Knitted Fabrics", Journal of Textiles and Polymers, July 2021 vol. 9, no. 3, pp.29-35, 2021.
- 13 Melika Badin Dahesh, Azita Asayesh, Ali Asghar Asgharian Jeddi, "Analysis of the Role of the Structural Characteristics of Surgical Meshes on the Tensile Properties in Different Directions", Fibers and Polymers, July 2021 vol. 0, no. 0, pp.1-11, 2021.
- 14 Nasrin Hashemi, Azita Asayesh, Mohammad Amani Tehran, Ali Asghar Asgharian Jeddi, "New approach for simultaneous measurement of elastic modulus and initial length of viscoelastic material", Journal of The Textile Institute, June 2021 vol. 0, no. 0, pp.1-8, 2021.
- 15 Milad Razbin, Mostafa Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, Hadi Dabiryan, "Double-core helical auxetic yarn: a Novel structure, geometrical modeling and experimental verification", Journal of The Textile Institute, May 2021 vol. 0, no. 0, pp.1-15, 2021.
- 16 Seyedeh Nooshin Bani Taba, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, "Fabrication and characterization of hollow electrospun PLA structure through a modified electrospinning method applicable as vascular graft", Bulletin of Materials Science, May 2021 vol. 158, no. 0, pp.1-7, 2021.
- 17 Milad Dehnad, Mehdi Kamali Dolatabadi, Mehdi Ahmadi Najafabadi, Ali Asghar Asgharian Jeddi, "Damage characterization of woven fabric composite using acoustic emission method: warp and bias directions", Journal of The Textile Institute, April 2021 vol. 0, no. 0, pp.1-9, 2021.

- 18 Behrang Adeli, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, "A feasibility study on production and optimization of PVDF/PU polyblend nanofiber layers using expert design analysis", *Iranian Polymer Journal*, March 2021 vol. 30, no. 6, pp.535-545, 2021.
- 19 Milad Razbin, Ali Asghar Asgharian Jeddi, Daryoush Semnani, Mohadeseh Ramzanpoor Noshrodkoli, "A generalized method of measuring the Poisson's ratio of warp knitted fabrics under uniaxial loading based on image processing technique", *Journal of The Textile Institute*, January 2021 vol. 0, no. 0, pp.1-10, 2021.
- 20 Milad Razbin, 0, Ali Asghar Asgharian Jeddi, Hadi Dabiryan, "A systematic study on the predictability of different methods to predict the maximum Poisson's ratio of helical auxetic yarn", *Journal of The Textile Institute*, December 2020 vol. 113, no. 1, pp.90-100, 2020.
- 21 Anatay Zarehshi, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, "In situ fabrication of PAN nanofibrous composites for enhanced toughness", *Proceedings of The Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science*, May 2020 vol. 0, no. 0, pp.1-13, 2020.
- 22 Melika Badin Dahesh, Azita Asayesh, Ali Asghar Asgharian Jeddi, "An overview of the most important structural and mechanical properties of surgical meshes", *Journal of Textile Science and Technology*, April 2020 vol. 9, no. 25, pp.59-66, 2020.
- 23 Mohammad Davoudabadifarrahani, M Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, "Sound absorption of warp knitted spacer fabrics based on knit structure and nanofiber enhancement", *Journal of Industrial Textiles*, February 2020 vol. First published, no. 0, pp.1-19, 2020.
- 24 Vahid Ghorbani, Ali Asghar Asgharian Jeddi, Hadi Dabiryan, Aliakbar Ramezaniapor, "Investigation of the flexural behavior of self-consolidating mortars reinforced with net warp-knitted spacer fabrics", *Construction and Building Materials*, January 2020 vol. 232, no. 0, pp.1-13, 2020.
- 25 Saeed Sanagoo, Ali Asghar Asgharian Jeddi, Mehdi Kamali Dolatabadi, Hadi Dabiryan, "Study of tensile properties of plain-woven fabrics in all-directional using energy method, Part I: theoretical study", *Journal of The Textile Institute*, December 2019 vol. 0, no. 0, , 2019.
- 26 Melika Badin Dahesh, Azita Asayesh, Ali Asghar Asgharian Jeddi, "The effect of fabric structure on the bursting characteristics of warp-knitted surgical mesh", *Journal of The Textile Institute*, December 2019 vol. 0, no. 0, pp.1-9, 2019.
- 27 Roohollah Kamani, Mehdi Kamali Dolatabadi, Ali Asghar Asgharian Jeddi, Kourosh Nasrollahzadeh, "Increasing the efficiency of carbon textiles in reinforcing fine grained concrete: an experimental study of flexural bearing capacity", *Journal of Sciences and Technology of Composites*, August 2019 vol. 6, no. 2, pp.310-318, 2019.
- 28 Saeed Sanagoo, Ali Asghar Asgharian Jeddi, Mehdi Kamali Dolatabad, Hadi Dabiryan, "Study of tensile properties of plain-woven fabrics in all-directional using energy method, Part II: experimental verification", *Journal of The Textile Institute*, July 2019 vol. 0, no. 0, pp.1-13, 2019.
- 29 Vahid Ghorbani, Ali Asghar Asgharian Jeddi, Hadi Dabiryan, "Theoretical and experimental investigation of tensile properties of net warp-knitted spacer fabrics", *Journal of The Textile Institute*, July 2019 vol. 0, no. 0, pp.1-11, 2019.
- 30 Nasrin Hashemi, Azita Asayesh, Ali Asghar Asgharian Jeddi, Mohammad Amani Tehran, "The role of geometry on the viscoelastic materials properties: tensile and stress relaxation of the yarn", *Journal of The Textile Institute*, May 2019 vol. 110, no. 12, pp.1733-1739, 2019.
- 31 Bahareh Yousefi, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, Mohammad Karimi, "Atomic Force Spectroscopy on the Rough Surface of Micro/Nanoporous Fibers Using a Sharp Tip", *Polymer Testing*, April 2019 vol. 74, no. 1, pp.21-29, 2019.
- 32 Hadi Dabiryan, Ali Asghar Asgharian Jeddi, Hosein Ashouri, "Analyzing the Tensile Behavior of Warp-Knitted Fabric-Reinforced Composites. Part II. Modeling the Tensile Modulus of Composite", *Journal of Textiles and Polymers*, January 2019 vol. 7, no. 1, pp.53-60, 2019.
- 33 Roohollah Kamani, Mehdi Kamali Dolatabad, Kourosh Nasrollahzade, Ali Asghar Asgharian Jeddi, "Bending load capacity of carbon fiber reinforced concrete beams as a function of fiber performance index (FPI)", *Journal of The Textile Institute*, July 2018 vol. 110, no. 4, pp.581-589, 2018.

- 34 Amin Zamani, Ali Asghar Asgharian Jeddi, Aliakbar Ramezaniapor, "Efficiency of warp knitted fabrics in cementitious composites", *Journal of Textile Engineering & Fashion Technology*, June 2018 vol. 4, no. 3, pp.201-206, 2018.
- 35 Hadi Dabiryan, Ali Asghar Asgharian Jeddi, Hadi Sharifi, "Prediction of Relaxed Woven Fabric Geometry Using Energy Method", *Journal of Textiles and Polymers*, May 2018 vol. 6, no. 2, pp.107-115, 2018.
- 36 Bahareh Yousefi, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, Mohammad Karimi, "The combined effect of wrinkles and noncircular shape of fibers on wetting behavior of electrospun cellulose acetate membrane", *Journal of Polymer Science Part B-Polymer Physics*, May 2018 vol. 56, no. 13, pp.1012-1020, 2018.
- 37 Roohollah Kamani, Mehdi Kamali Dolatabad, Ali Asghar Asgharian Jeddi, Kourosh Nasrollahzadeh, "Damage Detection of Carbon Fiber-reinforced Concrete Under Bending Test", *Journal of Textiles and Polymers*, January 2018 vol. 6, no. 1, pp.39-46, 2018.
- 38 H.R. Pakravan, M. Jamshidi, Ali Asghar Asgharian Jeddi, "Combination of ground rice husk and polyvinyl alcohol fiber in cementitious composite", *Journal of Environmental Management*, January 2018 vol. 215, no. 0, pp.116-122, 2018.
- 39 Seyede Nooshin Bani Taba, Golchehr Amini, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, "Fabrication of Hollow Nanofibrous Structures Using a Triple Layering Method for Vascular Scaffold Applications", *Fibers and Polymers*, December 2017 vol. 18, no. 12, pp.2342-2348, 2017.
- 40 Roohollah Kamani, Mehdi Kamali Dolatabadi, Ali Asghar Asgharian Jeddi, "Flexural design of textile-reinforced concrete (TRC) using warp-knitted fabric with improving fiber performance index (FPI)", *Journal of The Textile Institute*, April 2017 vol. 109, no. 4, pp.492-500, 2017.
- 41 Mohammadreza Sadeghi, Ali Asghar Asgharian Jeddi, Saeed Shaikhzadeh Najar, "Theoretical and experimental analysis of bending rigidity of plain and twill woven fabrics", *Journal of The Textile Institute*, January 2017 vol. 0, no. 0, pp.1-8, 2017.
- 42 M. Jamshidi Avanakia, Ali Asghar Asgharian Jeddi, "Theoretical analysis of geometrical and mechanical parameters in plain woven structures", *Journal of The Textile Institute*, January 2017 vol. 108, no. 3, pp.418-427, 2017.
- 43 Mohammad Mirjavan Razlighi, Azita Asayesh, Ali Asghar Asgharian Jeddi, "The effect of fabric structure on the mechanical properties of warp knitted surgical mesh for hernia repair", *Journal of The Mechanical Behavior of Biomedical Materials*, November 2016 vol. 66, no. 1, pp.77-86, 2016.
- 44 Ali Asghar Asgharian Jeddi, Hadi Dabiryan, Sahar Kalani, "An explanation of warp knitted fabric deformation under uni-axial tension by a novel index as shape ratio", *Journal of The Textile Institute*, October 2016 vol. 108, no. 3, pp.1-8, 2016.
- 45 Azita Asayesh, Ali Asghar Asgharian Jeddi, Mahdiyeh Rezaei Azhar, "Utilization of the yarn pullout test in estimation of the reserved energy of rib knitted fabrics", *Journal of The Textile Institute*, October 2016 vol. 0, no. 0, pp.1-7, 2016.
- 46 Hadi Dabiryan, Ali Asghar Asgharian Jeddi, "Analyzing the Tensile Behavior of Warp knitted Fabric Reinforced Composite; Part I: Modeling the Geometry of Reinforcement", *Journal of Textiles and Polymers*, May 2016 vol. 4, no. 2, pp.69-75, 2016.
- 47 Hooman Amid, Ali Asghar Asgharian Jeddi, Manouchehr Salehi, Hadi Dabiryan, Reza Pejman, "INVESTIGATION OF CIRCULAR WOVEN COMPOSITE PREFORMS FOR COMPOSITE PIPES", *Autex Research Journal*, May 2016 vol. 16, no. 2, pp.100-108, 2016.
- 48 Nasrin Hashemi, Azita Asayesh, Ali Asghar Asgharian Jeddi, Tuba Ardakani, "The Influence of two bar warp-knitted structure on the fabric tensile stress relaxation Part I: (reverse locknit, sharkskin, queens cord)", *Journal of The Textile Institute*, April 2016 vol. 107, no. 4, pp.512-524, 2016.
- 49 Tuba Ardakani, Azita Asayesh, Ali Asghar Asgharian Jeddi, "The influence of two bar warp-knitted structure on the fabric tensile stress relaxation Part II: (locknit, satin, loop raised)", *Journal of The Textile Institute*, September 2015 vol. 0, no. 0, pp.1-12, 2015.
- 50 Mohsen Gorji, Ali Asghar Asgharian Jeddi, Aliakbar Gharehaghaji, M. Haghmanahi, "Finite element modeling of electrospun nanofiber mesh using microstructure architecture Analysis", *Indian Journal of Fibre & Textile Research*, May 2015 vol. 42, no. 2, pp.83-88, 2015.

- 51 Nasrin Hashemi, Azita Asayesh, Ali Asghar Asgharian Jeddi, Tuba Ardakani, "The influence of two bar warp-knitted structure on the fabric tensile stress relaxation Part I: (reverse locknit, sharkskin, queens' cord)", *Journal of The Textile Institute*, April 2015 vol. 0, no. 0, pp.1-13, 2015.
- 52 Mostafa Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, "Mechanical Behavior of Regular Twill Weave Structures; Part I: 3D Meso-Scale Geometrical Modelling", *Journal of Engineered Fibers and Fabrics*, March 2015 vol. 10, no. 1, pp.115-127, 2015.
- 53 Farideh Hajiani, Aliakbar Gharehaghaji, Ali Asghar Asgharian Jeddi, Seyed Hossein Amirshahi, Mazaherifruz Mehr, "Wicking Properties of Polyamide 66 Twisted Nanofiber Yarn by Tracing the Color Alteration in Yarn Structure", *Fibers and Polymers*, October 2014 vol. 15, no. 9, pp.1966-1976, 2014.
- 54 Mostafa Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, A. Rastgoo, "Theoretical Estimation of Initial Uniaxial Tensile Modulus in 2/2 Twill Woven Structures", *Fibers and Polymers*, October 2014 vol. 15, no. 9, pp.1992-2000, 2014.
- 55 Mostafa Jamshidi Avanaki, Ali Asghar Asgharian Jeddi, "Theoretical Estimation of Structural Parameters in 2/2 Twill Woven Structures", *Fibers and Polymers*, October 2014 vol. 15, no. 9, pp.1956-1965, 2014.
- 56 Sahar Abdolmalaki, Ali Asghar Asgharian Jeddi, "Estimation on the 3D Porosity of Plain Weft Knitted Fabric under Wale Extension", *Journal of Textiles and Polymers*, July 2014 vol. 2, no. 2, pp.65-70, 2014.
- 57 Saeed Ajeli, Ali Asghar Asgharian Jeddi, "Geometrically Poisson's Ratio of the Polyester Double-bar Warp-Knitted Structures on the Jamming Point", *Journal of Textiles and Polymers*, December 2013 vol. 2, no. 1, pp.24-28, 2013.
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#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
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