

## Annual Index 2017

### Keyword Index

3D fabric	502	Classical mechanics	359
$\alpha$ -Tocopherol	189	Clothing comfort	379
Abrasion damage	413	Coaxial transmission line technique	271
Absorbent cotton	202	Coefficient of concordance	413
Acid dyes	209	Colour yield	391
Acrylate copolymers	150	Combined pre-treatment	235
Acrylic binder	465	Comfort	25,379
Acrylic latex	100	Comfort limit	57
Air permeability	25,318	Compact spinning	77,145
Air resistance	196	Compact yarn	196, 426
Airbrush technique	38	Complete condensing spinning systems	145
Air-jet spinning	386	Complex coacervation	189
Air-jet textured yarns	9	Composite	17, 64, 89,125, 138, 230, 241, 299, 307, 480
Ammonia sensing	138	Composite film	51
Anatase	474	Compression behaviour	399
Angle of twist	359	Compression parameter	9
Anisotropic property	364	Compression wadding	445
Anisotropy	160	Core-shell copolymers	495
Antimicrobial cotton fabrics	453,	Core-spun yarns	145
Antimicrobial property	286, 465	Cotton	57,168,189, 202,215, 255,407, 426, 453, 474
Antioxidant	189	Cotton fabric	196, 235, 379,495
<b>Bamboo</b>	107, 230,407	Cotton fibre	413
Banana fibre	111	Cotton yarn	145,488
Barrier discharge	391	Cotton/ polyester blend	183,318
Basic dyes	209	Cotton-milkweed fabric	25
Beeswax	223	Cotton-spandex	145
Biaxial weft knitted fabrics	431	Critical shear rate	241
Biocomposites	132, 291	Crossing-over firmness factor	196
Biodegradable fibre	38	Cross-laid fabric	160
Biomedical application	38	Cross-section needle	439
Biopolymer	286	Crushing instrument	107
Bleaching	202, 235	Cyanoethyl starch	100
Blended fabric	57, 278, 353	<b>De-colorization</b>	474
Blending	100,160	Denim	175,325
Block copolymers	347	Dielectric barrier discharge	391
Breathable fabric	453	Direct dye	474
Capsule loaded textile	189	Direct melt spinning	312
Carbon fibre	17	Disperse red dye	342
Carbon nanotube	51	Dispersion	312
Carding process	72	Doubled yarns	196
Carpet	399	Drying capacity	407
Casein fabric	488	Drying rate	407
Cellulase	202, 138	Dual finish	453
Cellulosic fabric	51, 215, 223	Dye decolorization	474
Chainstitch	325	Dyeing	25,209,342, 347
Chitosan	286	Dynamic mechanical analysis	64
Chronic disorder	445		
Circular cross-section	335		

Dynamic model	502	Heat convection	379
Elastic properties	150	Heat protection properties	57
Elastic-deformation properties	150	Heat transfer	255,379
Electrical properties	271	Herbal drug	286
Electromagnetic shielding effectiveness	271	High tenacity polyethylene terephthalate	307
Electrospun nanofibre	83	Honeycomb fabric	426
Enzymatic scouring	202	Hot arid climate	379
Epoxy composite	64, 89	HTPET/ Jute blend	307
Esophageal prosthesis	264	Hybrid laminate	230
Estabragh fibres	72	Hydroentanglement	278
Externally added water	94	Hydrophilicity	347
		Hydrophobic surface	223
<b>Fabric</b>	9,25,31,43,57, 72,89, 94,160, 168,175,183,196,223,235,255, 264, 271, 278, 299, 318, 325, 25,364, 379, 391, 407, 413, 420, 426, 431, 439, 453, 488, 495, 502	<b>Image processing</b>	420
Fabric construction	175	Impact properties	307
Fabric direction	420	Impedance tube	299
Fabric extension	420	Impermeable barrier	94
Fabric filter	439	Injected slub yarn	413
Fabric firmness factor	196	Inner-cell model	17
Fabric geometry	43	Interlining composite	150
Fabric reinforced composites	89	Interlock fabric	426
Fastness properties	215	Interlock woven composites	17
Feed yarn	9	Inter-ply laminated composite	230
Fibre	17,31,38, 57,64,72,83,107, 111,125, 132, 138, 160, 209, 255, 278, 307, 312, 335, 342, 353, 386, 391, 413, 439, 480	Inverse relaxation	168
Fibre arrangement	72	<b>Jute</b>	64,291, 307
Fibre migration	359	Jute/HTPET hybrid	307
Fibre orientation	160	Jute/polyester blend	160
Fibrillation	278	<b>Kaolin</b>	241
Filtration performance	278,335	Kermel fibre	57
Finishing	453, 495	Kevlar K29 fibre	230
Finite element analysis	17	Knitted fabric	31, 255, 264, 299, 407, 426, 431, 488
Finite element method	77	Knitting	183
Finite element modelling	83	Knitting machine	502
Fire retardant	215	Knotted wool	399
Flame retardancy	215	<b>Lacoste fabric</b>	426
Flexural properties	307	Lateral deformation	107
Floating yarn factor	196	Lattice apron compact spinning systems	145
Flow field	77	Laying angle	160
Fluorescent dye	342	Linear density	9,183
Fluorine-silicon containing polyacrylate	495	Liquid filtration	480
Four-line rollers	77	Liquid management	445
Full-cell model	17	Liquid repellent fabrics	453
Fusible interlining	150	Load cell	407
<b>Geometrical model</b>	431	Lockstitch	325
Geometrical parameters	43,196	Low-stress mechanical properties	31, 426
Godet wheel positions	145	Lycra	407
Green composites	132	<b>Mass transfer</b>	379
Green-emitting fibre	342	Mathematical model	168
<b>Hand knotted wool</b>	399	Maxwell modelling	168
		Mechanical properties	17, 31, 51, 64, 89,107, 175,426,291
		Mechanical strength	230
		Medical textiles	202
		Melt spinning	209, 312
		Micro architecture	83

Microbes repellent fabric	453	Polyester/cotton blend	318
Microclimate	379	Polyester/Jute blend	160
Microencapsulation	189	Polyester/wool fabric	420
Microfibre	38	Polyester-cotton fabric	183
Microfibrillated jute	291	Polyether	347
Milkweed-cotton fabric	25	Polyethylene terephthalate fibre	307,312,342
Modal	107	Polyethylene	125
Modified cross-section needle	439	Polyhedral oligomeric silsesquioxane	209
Moisture management	57,183, 255, 488	Poly(lactic acid) fabric	31, 291
Morphological properties	291	Polymeric composite membrane	480
Mulberry silk	391	Polypropylene	209, 335,364
Multilayered fabric	94	Polytetrafluoroethylene	439
Multi-linear regression	325	Polyurethane	83
Multiwalled carbon nanotube	51	Polyurethane-based composites	299
Nanoclay	125	Polyvinyl alcohol fibre	353,439
Nanocomposite	125	Poplin fabric	379
Nanocrystalline	51	Potassium persulphate	235
Nanofibre	38,138, 264, 480	PPS/ PTFE blend	278
Nanofibrous membrane	83	Protective clothing	83,241
Nanoparticles	209	PTFE fibres	278
Nanosilver	453	PTFE/PPS blend	278
Nanotube	51	<b>Radiant protective performance</b>	57
Needle-punched fabric	160,439	Radiative heat protective performance	94
Nomex	94	Ranking method	413
Non-linear regression	168	Rare earth luminous fibre	342
Nonwoven	160, 335, 364, 445	Recovery parameter	9
Nonwoven filter	439	Recycled polyester	318
Numerical simulation	77,431	Red-shift	342
Nylon	57,255, 264,353	Regenerated cellulose	51
Nylon/PEG composite	480	Reinforced composite	89
<b>Oil repellent property</b>	495	Reinforced fibre	132
Oil/water separation	480	Relative water-vapor permeability	318
Open-end spinning	359	Repellent fabrics	453
Orientation distribution function	364	Resilience property	175
Overall moisture management capacity index	488	Resiliency	9
<b>Pad-dry- cure method</b>	465	Response surface methodology	399
Pashmina shawl	353	Rib structure	431
Pectinase	202	Rotar yarn	25
PEG /Nylon composite	480	Rutile	474
Permeability	255	<b>Scouring</b>	202
Persian hand knotted carpet	399	Self cross-linking binders	465
Physico-chemical properties	111	Sensory evaluation	353
Planar wicking	183	Sewing thread	325
Plated knit	183,255	Shear thickening fluid	241
Plied yarn	386	Silk	286, 391,465
Pneumatic cylinder	502	Silver nanoparticles	465
Poisson's ratio	420	Simulated skin	407
Poly glycolic acid	264	Single bath pretreatment	202
Poly(lactic acid) fibre	347	Single jersey fabric	255, 318,426
Poly(methyl acrylate-co-acrylic acid-co-acrylonitrile)	100	Siro-spun yarn	145
Poly( $\epsilon$ -caprolactone)	38	Sizing	100
Polyacrylate latex	495	Slack fabric	255
Polyacrylonitrile	138	Slub yarn	413
Polyamide	138,150	Smoothness	353
Polyaniline composite	138	Sodium perborate	235
Poly-caprolactane	264	Softness	353
Polyester	9,31, 125, 255, 335,347, 439	Soil burial	132
		Sol-gel process	474

Sound absorption properties	299	Ultra high molecular weight polyethylene composites	241
Soy protein	132	UV protection	347
Spacer fabric	299	UV radiation	474
Spatial (3D) knitted fabric	502	UV-resistant fibre	312
Spinach juice	215		
<i>Spinacia oleracea</i>	215		
Spinning	77,145,209, 359,386	Venous ulcers	445
Sportswear	241	Visco-elastic recovery	168
Spun yarn	145,386,426	Viscose fabric	255, 386
Staking sequence	230	Voile fabric	89
Starch film	100		
Stearic acid	223	Wadding	445
Stretch denim	175	Warp beam	502
Structural parameters	299	Warp knitting machine	502
Subjective evaluation	43	Warp sizing	100
Sugarcane bagasse fibre	132	Warp-knitted spacer fabrics	299
Surface characteristics	31	Water absorption properties	64
Surface roughness	43	Water filtration	480
Surface treatments	89	Water repellent property	495
Surgical gowns	453	Water vapour permeability	25, 318
Suture	286	Water-repellent emulsion	223
Sweat evaporation	407	Weave parameters	196
		Weave structure	43
Tencel	107	Weft density	43
Tensile behaviour	431	Weft knitted fabrics	426, 431
Tensile properties	107,160	Whip roller	502
Tensile resilience	175	Whiteness	235,391
Tensile strength	391,439	Wicking	25,57, 183,445
Textured yarn	9	Wool	399
Thermal conductivity	25,318, 488	Wool /polyester fabric	420
Thermal properties	64,255, 291	Worsted fabric	420
Thermal protection	94	Wound care	445
Thermal resistance	318	Woven composites	17
Thermally bonded nonwoven fabric	364	Woven fabric	43,196, 271, 325,407, 420
Thickening fluid	241	Woven substrate	439
Three-line rollers	77	Wrapped yarn	271
TiO <sub>2</sub> particles	312	Yarn	9, 25,145, 168, 196, 255, 271, 359, 386, 413, 426, 488
Tissue engineering	83	Yarn movement	359
Titanium dioxide	474	Yarn track	77
Torus coordinate	359	Yarn twist	386
Toughness	100		
Triangular cross-section	335	Zari yarn	271
Tubular knitted fabric	264	Zeta potential	125
Ultra filtration	480		

## Author Index

Abdullah-Al-Mamun M	291	Gao Xiaoping	299,364
Abghary Mohammad Javad	431	Ge Mingqiao	342
Abinaya M	480	Gharehaghaji A A	83
Abou-Zeid Nabil Y	223	Ghosh Papai	160
Ahmadi M S	307	Goel Abhishek	474
Alagirusamy R	445	Gorji M	83
Alam M Shamsul	291	Goswami Kamal Kanti	399
Al-Zahrani Saeed M	291	Guan Jinping	347
Ancutiene Kristina	175	Gupta Deepti	183,255
Anis Arfat	291	Gupta M K	64
Arbuzova Anna	150	Gupta Shraavan Kumar	399
Arputharaj A	202	Haghpanahi M	83
Arunkarthick S	480	Haque M Ahsanul	291
Avinc Ozan	31	Hasani Hossein	31, 431
Bajzik Vladimir	379	Hassabo Ahmed G	223
Bal Kausik	379	Havelka Antonin	175
Baldua R K	9	Hes Lubos	379
Banerjee S	168	Hosseini Varkiyani	420
Basak S	215	Huang Fenglin	138
Bedeloglu Ayse Celik	38	Huang Jian-Yi	347
Bhatt L	125	Indi Yashovardhan Mallikarjun	235
Bhullar Sukhwinder K	38	Jafari Reza	431
Borazan Ismail	38	Jeddi Ali A A	83
Boubaker Jaouachi	325	Jhanji Yamini	183,255
Butola Bhupendra Singh	474	Jian Jin	312
Cai Xinbin	495	Jin Xiangyu	335
Cai Yingjie	391	Jing Wang	312
Chakraborty Supriyo	94	Kadam V V	353
Changfa Xiao	312	Kakvan Ali	57
Chattopadhyay S K	215	Kale Ravindra D	125
Chen Hong-xia	299	Karande Shivraj	391
Chen Huang	278,439	Karthik T	25, 107
Chen Si	299	Kayalar Hüsniye	189
Chen Xiaoyu	100	Khan G M Arifuzzaman	111, 291
Chen Zhi	342	Khoddami Akbar	31
Cin Zeynep Islek	38	Koksharov Sergey	150
Congcong Pu	312	Koldinska Marie	175
Cui Haitao	17	Koli H S	168
Dalvi Ajit	391	Kontart Oya	189
Das A	445	Kornilova Nadezhda	150
Das Dipayan	132	Kothari V K	9,94,183, 255, 271
Dasardan B S	107	Koyuncu Menderes	89
Dastan T	307	Krishnasamy Jagatheesan	453
Davulcu Asim	209	Kuchar Maciej	502
Demir Ali	38	Kumar Ajay	353
Devi B	480	Kumar B	445
Dharmasena I G	241	Kumar Pramod	353
Dhurai Bhaarithi	286	Latifi Masoud	43
Eldeeba Moaz	386	Li Qian	51
Erkan Gökhan	189	Li Jing	342
Ezazshahabi Nazanin	43, 420	Li Qing	51, 495
Fan Zenglu	495	Lin Jack	100
Faouzi Khedher	325	Liu Xinjin	77,145
Fathima Farid Afrose	426	Liu Kai-Qiang	347
Fernando E A S K	241	Liu Xiaoyan	77

Long Hai-ru	299	Saravanan D	318
<b>Madanipour</b> Khosro	43	Sarişik Ayşe Merih	189
Majumdar Abhijit	399	Saxena S	215
Mandhyan P K	168	Saxena Sujata	202
Mani K	407	Semnani Dariush	264
Maruto Guntur	359	Senthilkumar M	407
Mathuriya S R	353	Senthilkumar T	453
Merati Ali Akbar	72	Seyghlani Amin Zadbagher	264
Michalak Andrzej	502	Shaikh Hamid	291
Midha Vinay Kumar	413	Shakyawar D B	353
Mishra Anu	474	Shanmugavadivu K	107
Moazeni Najmeh	72	Sharifnejad Farshid	57
Mohamed Amina L	223	Shukla Armaiti	150
Mohammad Seyyed	420	Shukla Sanjeev R	465
Moučková Eva	386	Singh J	445
Mukhopadhyay Arunangshu	413	Singh Thingujam Jackson	230
Mukhopadhyay Samrat	132	Singh Vikas Kumar	132
Mundkur Suman	150	Sivaranjani R	480
Murugan R	25, 107	Song Jian	17
<b>Nachane</b> R P	168	Srivastava R K	64
Nada Ahmed A	223	Su Xuzhong	145
Nadiger Vinay G	465	Subramaniam V	107,426
Najar Saeed Shaikhzadeh	57	Sudha D	286
Nallathambi Gobi	480	Sulak Mine	111
Nan Zhang	278, 439	<b>Tang Ren-Cheng</b>	347
Navik Rahul	391	Tehran Mohammad Amani	43
Nedoushan	431	Teli MD	125
Neelakandan R	453	Türkoğlu Gizem Ceylan	189
Nie Qingxin	138	Ursíny Petr	386
Niles S N	241	<b>Vadicherla</b> Thilak	318
Nisha S	480	Veer Jai	271
<b>Osta</b> Shashank	474	Vimal J Thanikai	196
Öztuna Selda	189	<b>Wang Liping</b>	364
<b>Pang</b> Zengyuan	138	Wang Miao	100
Parmar M S	215	Wasif Akhilahmad	235
Patel Aftab Abdulajij	235	Wei Qufu	138
Patil P G	202	Wen Weidong	17
Pawar B R	168	Wu Wei	364
Ponthangam T	286	<b>Xiang-yu</b> Jin	278, 439
Psikuta Agnes	57	Xiao Qianqian	495
Putra Valentinus Galih Vidia	359	Xie Chunping	145
<b>Qin-fei</b> Ke	278, 439	Xu Bojun	145
<b>Ragavee</b> S	480	Xu Yang	138
Rahman Md Shafiqur	291	<b>Yang Jie</b>	138
Raja A S M	202	Yekrang Javad	264
Raja D	407	Yilmaz Kenan	111
Rathinamoorthya R	488	Yilmaz Nazire Deniz	111
Ray Nemaı Chandra	413	<b>Zbigniew</b> Mikołajczyk	502
Ray Sadhan Chandra	160	Zengge Guo	312
Razavi Shahnaz	264	Zhang Long	495
Rengasamy R S	9	Zhang Xiaojuan	145
Roshanara	426	Zhang Xiaolin	335
Rosyid M Farchani	359	Zhao Jia	312
<b>Saharkhiz</b> Siamak	420	Zhaohui Jiang	312
Sakthivel J C	25	Zhu Yukun	145
Samanta Kartick K	215	Zhu Zhifeng	100
Samanta Sutanu	230		
Sana Aouine	325		
Sanas Payal	391		