

Annual Index 2013

Keyword Index

2/1 Twill weave	251	Cellulose	144
3/1 twill weave	251	Central composite design	35
3-D fabric	251	Chemical extraction	29
α -amylase	173	Chitosan	14
Abrasion resistance	317	Citrus oil	309
Acrylic	66	Clo value	317
Actuation performance	193	Coarse wool	395
Adsorbent	144	Coated fabric	357
Air-flow fineness meter	106	Coefficient of friction	237
Air-jet-spinning	230	Coir fibre	96
Alkali treatment	144	Coir-polyester composites	81
Alkalization	29	Color extract	400
Aluminium oxide	81	Colour removal	144
Amorphous material	96	Colour values	280
Anisotropy	198	Comfort	387, 427
Anthocyanin	420	Composite	81, 87, 304, 357, 380
Antibacterial efficacy	293	Composite board	92
Antibacterial property	14	Compression	340
Anti-fungal finish	309	Conducting fabric	357
Anti-microbial finish	309	Conductive yarn	380
Antimicrobial textiles	313	Contact electrification	265
Antioxidant	161	Contact force	265
Apparel assembly	259	Copper	313
Apparel industry	259	Core-shell filament	380
Aqueous binders	57	Core-spun yarn	237, 340
Artificial neural network	81	Corn husk	29
Assembly line balancing	259	Cotton	14, 35, 44, 156, 161, 173, 223, 244, 276, 285, 293, 349, 357, 366, 405, 420
Ball miller	202	Cotton/flax yarn	74
Bending	340	Cotton-elastane yarn	340
Biodegradable	29	Cotton-jute union fabric	270
Biopolishing	156, 366	Cotton-tencel yarn	138, 230, 331
Bioscouring	44	Creep	375
Bleaching	144, 150, 366	Cross-linking	35
Blend ratio	138	Crystalline structure	96
Blended fabric	180	Crystallinity	156
Blended yarn	66, 74, 138, 173, 230, 331	Crystallite size	156
Blending	66	Curcumin	424
Box-Behnken method	293	Curing	57
Breaking load	340	Dehairing	207
B-spline curve	251	Denim	309
Burn-out printing	173	Dielectric barrier discharges	180
Bursting strength	317	Die-to-collector distance	132
Calcium carbonate	81	Discharge printing	173
Calculation method	259	Discharge-resist printing	173
Camel hair	317	Disperse dye	22
Carbon nanotube	357	Dye mixtures	405
Card punching machine	186	Dye nanoparticles	202
Cashmere	207	Dyeing	14, 22, 144, 161, 276, 280, 400, 405
Cellulase	156		

Dyeing kinetics	424	Geometrical modeling	251
Dyeing mechanism	424	Geometrical parameter	126
Dyeing thermodynamics	424	Graph print	186
Dyestuff pollution	144	Grease content	410
Egyptian bacilli	165	Hairiness	237
Egyptian cotton	109	Healthcare textiles	313
Elastane –cotton core-spun yarn	340	Heat transfer	415, 427
Elastane filament	237	Helix angle	66
Elastic recovery	237	High altitude application	121
Electrical actuation performance	193	High performance fibre	121
Electrical conducting fabrics	357	Hydrophobicity	35
Electro-conductive textile	198	Image processing	101
Electrospinning	121, 132	Impact strength	92
Electrostatic dissipation	265	Interface behaviour	87
Electrostatic generation	265	Interlock fabric	415
Ellipticity ratio	126	Jacquard design	186
Elongation	74	Jute	92, 106, 270
Enzyme	150	Jute-cotton union fabric	270
Enzyme scouring	44	Kawabata method	101
Enzyme treatment	173	Kemp	395
Enzyme washing	309	Knitted fabric	101, 317, 415
Eri silk	66	Lateral order	156
Exhaustion method	309	Lea strength	244
Exhaustion rate	405	Light fastness	161
Eyring's model	375	Line balancing	259
Fabric	14, 22, 35, 57, 101, 126, 161, 202, 237, 251, 270, 280, 285, 293, 304, 317, 340, 349, 357, 366, 387, 405, 415, 420	Linen	150
Fabric handle	270	Lipase enzyme	165
Fabric layers	387	Low temperature plasma	180
Fabric roughness	349	Low-stress mechanical characteristics	331, 340
Fabric structure	126	Lucre/polyester/viscose blend	173
Fabric-to-fabric friction	366	Mechanical properties	81
Face-sheet thickness	304	Medullation	395
Fastness properties	180, 202, 280	Mercerization	96, 366
Felting	395	Merino wool	317
Fibre	22, 29, 87, 92, 96, 106, 121, 156, 207, 223, 244, 424	Metallic mordant	280
Fibre characteristics	29	Method of reverberation anechoic chamber	304
Fibre fineness	106, 244	Microencapsulation	313
Fibre maturity	244	Microprocessor	106
Fibre properties	410	Microwave curing	57
Fibre quality	410	Microwave interactive properties	357
Fibre quality index	109	MJS yarn	230, 331
Filament	380	Moisture control	387
Filter media	132	Mordant	280
Finishing	285, 309	MS paint	186
Finite element method	415	Mulberry fruit	420
Flame retardant	9	Multivariate data analysis	223
Flax/cotton Yarn	74	Multi-walled carbon nanotube	357
Fracture analysis	427	Nano TiO₂	35
Frictional properties	244, 349, 366	Nano-chitosan	14
Friction-spun yarn	193	Nanocomposite	380
Fungal cellulase	156	Nanoparticles	285
Garment	309	Nanotube	357
Genetic algorithm	375	Natural dye	276, 424
		Natural fibre	87, 92

Non-destructive testing	427	Semi crystalline structure	96
Nylon	265	Sewing line	259
<i>Onosma echioides</i>	400	Shape memory alloy	193
Organic cotton	44	Shawl	207
Pad-dry-cure method	285	Shear	340
Pashmina	207	Silk	276, 280
Pectin	44	Silk screen printing	57
Pectinase	150	Single fibre pull out test	87
Phosphorous based flame retardant	9	Sisal fibre	87
Photoactivity	35	Skewness	251
Physical properties	165, 244, 293, 366	Softeners	366
Pigment	276	Solvent - assisted dyeing	400
Pigment printing	57	Solvent extraction	400
Pile height	304	Sonication	44
PLA fibres	424	Sonicator efficiency	44
Plain fabric	126	Sound insulation property	304
Plasma treatment	180	Spacer fabric	304
Poly(ethylene terephthalate)	165	Spinning	121, 132, 230
Polyester	57, 202, 349, 400	Spinning consistency index	109
Polyester/wool blend	173, 180	Spinning parameters	193
Polyester-coir composite	81	Splice scanner	74
Polyester-tencel yarn	138, 230, 331	Spun yarn	138, 193, 230, 237, 331, 340
Polylactic acid fabric	22	Stress relaxation	375
Polymeric surface	265	Structural integrity	331
Polypropylene	9, 87, 380	Subdued form	270
Polypropylene resin	92	Submicron fibre membrane	132
Polytetrafluoroethylene	265	Surface modification	165, 180
Polyurethane	121, 357	Surface resistivity	198, 357
Polyurethane acrylate	57	<i>Swietenia mahagoni</i>	280
Printing	57, 165, 173, 180, 186, 202	Technical felt	395
Pull out test	87	Tencel- cotton yarn	138, 230, 331
Quality factor	132	Tencel-polyester yarn	138, 230, 331
Radar absorbing materials	357	Tensile energy	331
Ratanjot	400	Tensile properties	66, 109
Reactive dye	144, 161, 405	Tensile strength	22, 180
Recovery properties	331	<i>Terminalia chebula</i>	293
Reducing sugar	156	Tex twist factor	138
Reduction clearing wash	22	Thermal degradation	96
Reflection loss	357	Thermal insulation	395
Regression equation	92	Thermal properties	380
Regression model	223	Thermal resistance	387
Residual grease content	410	Thermal stability	9, 96
Resistance measurement	198	Thermo fixation	57
Resistive heating	193	Thermography	427
Response surface methodology	81, 293	<i>Thermomyces</i> sp.	276
Retained splice elongation	74	Three phase model	96
Retained splice strength	74	Three-dimensional spacer fabric	304
Rice straw	144	composites	
Ring-spun yarn	138, 230, 331	Titanium di-oxide	285
Rose oil	309	Transfer printing	165
Rotor-spun yarn	230, 331	Tribo-electric series	265
Roughness	101, 349	Twill weave	251
Rubiadin dye	280	Twist level	126
Rutile TiO ₂ nanoparticle	121	Ultrasonic	44
Sanforisation	366	Ultrasonic technique	144
Scouring	44, 144, 410	Ultrasound	202, 410
Self -cleaning finish	285	Ultraviolet protection	285
		Ultraviolet radiation absorber	420
		Uniform fabrics	387

Union fabric	270	Wool/polyester blend	173, 180
UV absorbers	161	Woven fabric	126, 349
UV absorption	35	Wrinkle recovery	270
UV curing	57		14
UV protected fabric	121, 420	Xylanase	150
UV protection factor	420		
Van der Pauw method	198	Yarn	66, 74, 138, 193, 230, 237, 244, 331, 340, 375, 380
Visco-elasticity	375	Yarn characteristics	237
Viscose/polyester/lucre blend	173	Yarn count	223
Wash durability	313	Yarn cross-section	126
Wash fastness	285	Yarn hairiness	223
Wax removal	44	Yarn quality	223
Weave design	186	Yarn tenacity	317
Weaving	126, 251	Yarn twist	138, 223
Weft knitted fabric	415	Yarn-to-metal coefficient of friction	237
Wet pretreatment	150		
Wet processing	270	Zinc oxide	285
Whiteness	410	Zylon® fibre	121
Wool	207, 276, 395, 400, 410		

Author Index

Abbas S M	357	Guo Hui	424
Abd-Ellatif Samar Ahmed Mohsen	109	Gupta Deepti	387
Abdur Razzaque S M	280	Gupta K K	357
Abhyankar Ashutosh	357		
Adel E	144	Haggag K	57
Adivarekar R V	9	Haijian Cao	304
Afrashteh Siavash	126	Halaoua Sabri	405
Ahmad M R	193	Hamdaoui Mohamed	405
Ahmad W Y W	193	Hasani Hossein	101, 415
Ahsanul Haque M	280	Hassim N	193
Ajay Kumar	395	Hussain Tanveer	74
Ajeli Saeed	415		
Ali Zulfiqar	74	Ibrahim M A	173
Alian N A	57	Inamdar M S	14
Ananthasubramanian M	44		
Anbumani N	44	Jabbar Abdul	74
Andiappan Muthumanickam	420	Jaiswal Hireen	270
Arifuzzaman Khan G M	280	Jayabal S	81
		Jeddi Ali Asghar Asgharian	126, 380
Baig Gulzar A	22	Jolai F	259
Banerjee D	427		
Banerjee Debmalya	375	Kadam Vinod V	410
Behtaz Sanaz	101	Kale Sunil	387
Bhattacharjee S	96	Karthik T	313
Butola Bhupendra Singh	400	Ke Jun	424
		Kejing Yu	304
Chakraborty Ashok Kumr	280	Khairy M	202
Chakraborty J N	150	Khatun Khodeza	280
Chakraborty R	237, 340	Khosravi F	259
Chattopadhyay D P	270	Khurana N S	9
Chattopadhyay Debapriya	14	Koranne Milind	270
Chattopadhyay R	138, 230, 331	Krupincova Gabriela	223
Chattopadhyay S K	427	Kumar Ajay	207
Choudhuri Prabir Kumar	66	Kun Qian	304
Das A	237, 340	Lee Duck Weon	132
Das Subhasis	375	Liu Lu	265
Dasarwar S D	9		
Dehnavi Majid Hassanpour	380	Maamoun D	180
Dhurai Bhaarathi	92	Magdi El Messiry	109
		Mahato D N	96
El-Bendary Magda A	165	Mahish S S	150
El-Hennawi H M	144	Majumdar Prabal Kumar	66
El-Molla M M	57	Mathur B K	96
El-Ola Samiha M Abo	165	Mayank M	87
El-Salam S S Abd	144	Merati Ali Akbar	126
El-Shall F N	57	Mishra Swapna	400
El-Thalouth I Abd	144, 173	Moghadam M Bameni	35
		Moharam Maysa E	165
Fan Jiangtao	424	Montazer M	35
		Moqet Abdul	74
Ganesan P	313	Mukhopadhyay S	87
Ghalab S	180	Murugan R	285
Gharehaghaji Ali Akbar	380	Murugesan R	276
Ghosh Anindya	375		
Golshani P	35	Nachane R P	244, 366
Goud Varun	410	Nair A U	244, 366
Goyal Ashvani	138, 230, 331	Nalankilli G	161
Gunasekaran S	276		

Narula V	87	Shakyawar D B	207, 395, 410
Nasim M	357	Shamsul Alam M	280
Nassar S H	173	Sharma Anjali	317
Nouri Navid	415	Sheela R	244
Okur A	251, 349	Shim Woo Sub	132
Öner Eren	349	Sivakumar A	285
Osman H	202	Sree Lakshmi S N	156
Oxenham William	265	Srivastava Anurag	357
Pal R	87	Srivastava Ashish	387
Panneerselvam R G	186	Subramaniyan Geethanjali	420
Pant Suman	317	Sülar Vildan	349
Pareek P K	207, 395	Sundaramoorthy Subramanian	420
Parthiban M	276	Sundaresan K	285
Patra A K	150	Temani Priyanka	395
Patwardhan B A	244, 366	Thaheer A Syed Abu	81
Periyasamy S	285	Thiagarajan P	161
Poorniammal R	276	Thilagavathi G	276, 293
Ragheb A A	173	Tokarska M	198
Raja A S M	207, 395	Tuli Suneet	427
Ramachandran T	309, 313	Turan R B	251
Rathinamoorthy R	293	Turki Samar	405
Romdhani Zouhaier	405	Tyagi G K	138, 230, 331
Roy Gautam	106	Vadivu P Kandha	313
Sadeghi A H	259	Vasanthi N S	156
Saha S C	106	Vigneswaran C	44
Salleh J	193	Vijayalakshmi D	309
Saravanan D	156	Vivekanandan M V	244
Saravanan K	92	Wani S A	207
Sarkar Bijon	66	Won Jessica	121
Satapathy K K	106	Wu Jihong	424
Sathiyamurthy S	81	Yahya M H M	193
Saxena A K	357	Yazdanshenas Mohammad Esmaeil	380
Senthil Raja K	156	Yilmaz Nazire Deniz	29
Seyam Abdel-Fattah M	121, 265	Zahoor- Ul-Haq	74
Shahin A A	173	Zarchi Saeid Rezaei	380
Shaker N O	57		