

Annual Index 2015

Keyword Index

3D body scanner	392	Coating	94
Absorbency	162	Coir - vinyl ester composites	380
<i>Acacia arabica</i>	175	Colour fastness	184
<i>Achyranthes aspera</i>	184	Colouration	62
Acrylate monomer	437	Comfort	11,144,162,363
Adaptive neuro network	273	Compact spinning	43
Air gaps	392	Composite	19,236,380
Air permeability	144,231,363, 372	Compression	363
Airflow twisting device	282	Core yarn	137
Allyl starch	437	Core-sheath ratio	36
<i>Alternaria alternata</i>	315	Cotton	11,57,62,94,137, 140,144,170, 184, 288,308,351,363, 392, 431
Antibacterial activity	25,105,419, 425	Cotton comber	288
Antimicrobial finishing	51	Cotton/polyester yarn	386
Antimoth efficacy	200	Cotton/bamboo fabrics	213
Antiseptic finishing	213	Cotton/polyester fabric	140,308
Aromatherapy	140	Cotton/polyester fibre	363
Artificial neural network	81	Cotton/polyester yarn	256
B. Twill jute bag	195	Cotton/wool fabric	447
<i>Bacillus sp.</i>	213	Cotton-jute union fabric	157
Bamboo charcoal	243	Cotton-polyester blend	31
Bamboo/cotton fabrics	213	Cover factor	250
Bamboo/tencel fabric	175	Crystal structure	131
Bending length	19	Cypress oil	175
Bending rigidity	288	Damask	356
Beta-cyclodextrin	140	Degumming	453
Bilateral filter	208	Delivery speed	256
Bio finishing	447	Denim	170
Bio particles	380	De-twisting	144
Bioactive coating	70	Dharbai	108
Biopolymer	431,447	Dielectric drying	308
Bioscouring	414	Differential scanning colorimetric	190
Bis -triazinyl reactive dye	414	Diffusion parameters	150
Black out curtain	231	Digital image processing	329
Blend ratio	36	Direct tracking algorithms	399
Blended fabrics	351	Double yarn	137
Blended yarn	36	Drawframe blending	31
Blending	31	DREF-3 yarn	36,137
Blowroom blending	31	Drying	162
Breaking strength	43	Dyeing	57,62,419,414,425
Bulk density	231,250	Dynamic pressure	94
Capillary action	112	Dynamic water absorption	112
Capillary rise	150	Effective moduli	236
Carpet	273	Elastic modulus	288
Cashmere	180	Elastic yarn	386
Cellulase enzyme	414	Electro-physical properties	363
Cellulose	190	Elongation percentage	184
Chitosan	51,431,447	Embedded system	100
Christmas palm	108		
Clothing	363		
Coated fabric	70		

Engineering constant	236	Hydraulic permeability	405
Essential oils	140	Hypochlorite treatment	405
Fabric	11,51,70, 87,94,140, 144,150,157,162, 175,195,203,208, 231,236,243,250, 282,301,308,320, 351,356,363,386,41 4,425,431,447	Image processing	87,399
Fabric compressibility	144	Impact strength	380
Fabric constructional parameters	250	Indigo dye	170
Fabric handle	157	Injection technique	405
Fabric harshness	157	Intermingling	267
Fabric quality	363	Jacquard device	100
Fabric self-lubricating liner	293	Jacquard warp-knitted fabric	208
Fabric weight	329	Jacquard weave	320,356
Face flip face fabric	320	Jute bag	195
False twist	399	Jute fabric	414
Fastness property	57	Jute-cotton union fabric	157
Feed forward neural network	267	Kevlar	293
Feed ratio	256	<i>Klebsiella sp.</i>	213
Felting test	458	Knitted fabric	11,162,208,243,282, 301, 386
Ferulic acid	62	Laccase	62
Fibre	11,19,31,36,131,162, 288,405,437,447, 453	Laplacian mask	329
Fibre composites	108	Leuco sulphur dye	57
Fibre glass fabric	236	Light cutting ability	231
Fibre reinforced composites	236	Linked atom least squares	131
Figured fabric	320	Liquid transfer property	162
Filaments orientation angle	399	Loop geometry	112
Finishing	51,62,70,105,170, 213,301,431,447	Loop length	351
Friction spinning	137	Lyocell	243
Fringe projection	203	<i>Madhuca longifolia</i>	419
Functional finishing	447	Mathematical model	150
Fungal pigment	315	MATLAB software	329
Fuzzy e-means clustering	208	Mechanical properties	81,301,437
<i>Garcinia pedunculata</i>	184	Medical garment	70
Garment	392	Metabolites	105
General regression neural network	267	Micro polyester	243
Genetic algorithm	81	Microencapsulation	175,213
Geometrical model	94	Microwave drying	51,308
<i>Gerardiana diversifolia</i>	180	Microwave-assisted degumming	453
Glucose	57	Milkweed	351
Graft copolymerization	437	Moire pattern	203
Grape fruit oil	175	Moisture management	11,243
Guanidinylated chitosan	51	Molecular structure	131
Hamburger model	36	Monoazo dyes	425
Handloom fabric	87,100,320	Monofilament test	108
Harnessing	356	Mordant	419
Hat production	458	Mosquito repellent	175
Heat setting	273	Muga silk	131
Heat transfer	372	Multi hidden layer	267
Hemp fibre	453	Multimedia memory card	100
Herakle stitch	195	MVS yarn	256
Hollow fibre	405	Nano aluminum oxide	25
Hollow fibre membrane	405	Nano titanium oxide	25
		Nano zinc oxide	25
		Nanogel	431
		Nanosafe textiles	105
		Natural dye	180,200,315,419
		Natural fibre	108

Neural network	267,372	Self-lubricating liner	293
Neural restoration of flock	288	Semi-combed fibre	31
Neuro fuzzy inference system	273	Silk	62,70,81,131,184,
Nips stability	267		419
Non-contact measuring tool	392	Silver nanoparticles	105
Nonwoven	372	Simulated annealing	380
Nozzle pressure	256	Single jersey fabric	11
Number of nips	267	Sisal fibre	19
Nylon	11,62,399,425	Sizing performance	437
		Smart finishing	431
Orthogonal weft tapestry	320	Sol-gel	140
		Sorption ability	150
Papaya	105	Sound absorption	19
Paper pulp	19	Spandex fabric	94
Pashmina	180	Spectral property	425
Pattern classification	87	Spindle size	256
Pattern separation	208	Spinning	43,137,256
Physical properties	43	Spun yarn	43,137,282
Physiological comfort	431	Spunlace fabrics	372
Phytochemical analysis	200	<i>Staphylococcus epidermis</i>	315
Pin-point effect	273	<i>Staphylococcus pyogenes</i>	315
<i>Piper betel</i>	213	<i>Staphylococcus sp.</i>	213
Plated fabric	11	Starch	190
Pneumatic compacting system	43	Static water absorption	112
Polyamide	425	Stimuli-responsive nano gel	431
Polyester	36,70,162,243,250,	Stitch density	195
	308,351,386,437	Stitching	356
Polyester/cotton	31,140,256,363,308,	Stress-strain curve	36
	386	<i>Strobilanthes cusia</i> (Nees) Kuntz	184
Polymer finish	447	Structural parameters	386
Polypropylene	162	Super-carded fibre	31
Polysulfone	405		
Polytetrafluoroethylene	293	Taguchi method	386
Pore size	405	Tannin	200
Pore size distribution	372	Tapestry	320
Porosity	231	Temperature cutting ability	231
Powerloom fabrics	87	Tenacity	36
Prickliness	157	Tencel/bamboo fabric	175
Printing	315	Tensile properties	36,170
Proportions methods	250	Tensile strength	184
<i>Proteus sp.</i>	213	Terry fabric	112
Proximal support vector machine	87	Terry towel	301
<i>Pseudomonas sp.</i>	213	Textile mechanics	236
Punched cards	100	Textured yarn	399
		Thermal conductivity	243
Rabbit hair	458	Thermal insulation	351,392
Rapid-I machine vision system	108	Thermal properties	11,190
Reactive dye	414	Tightness factor	351
Reducing sugar	57	Tip definition	273
Reflectance	250	Tip effect	273
Residual gum content	453	Tissue engineering	81
Residual torque	282	Towel	301
Ring spinning	43	Transistor to transistor logic	100
Ring yarn	36	Tribological performance	293
Ring-spun yarn	282	Tri-layer fabric	243
RS485 serial bus	100	Twill damask	356
		Twist direction	137
Scaffolds	81	Twist level	137
Scaling	356		
Seam strength	195	Ultraviolet protection factor	351
Sectioning	356	Union fabric	157

Unit cell model	236	Wicking	162
UVR transmission	386	Wool	51,62,180,200, 447,458,184
Viscose	25,36,62	Wool/cotton fabric	447
Viscosity	437	Woven fabric	150,203,236,243, 250,301
Vortex yarn	256		
War-knitted fabric	301	X-ray diffraction	190
Warp-knitted fabric	208	X-ray technique	131
Wash durability	213	Xylanase enzyme	414
Water absorption	301		
Water flux	405	Yarn	31,36,43,137,144, 184,256,267,282, 386,399
Water vapour permeability	144,351		
Wavelet decomposition	208	Yarn density	203
Weave analysis	356	Yarn elongation	256
Weaving	100,320,356	Yarn hairiness	43
Weft density	250,293	Yarn imperfections	43
Weft knitted fabrics	386	Yarn tenacity	256
Weft way fabric strength	195		
Wet processing	157		

Author Index

Agarwal Rashi	105	Han Guangting	453
Akaydin M	301	Hasani Hossein	386
Akgun Mine	250	Hebeish Ali Ali	43
Almetwally Alsaid Ahmed	43	Hemmati Nejad N	431
Alpay Halil Rifat	250		
Amani Tehran Mohammad	203	Jagasthitha R	19
Ananda H T	131	Jaiswal Hiren	157
Angeswari T	19	Jayabal S	108,380
Anindya Ghosh	87	Jeyaraj Jeyakodi Moses	447
Asanovic Koviljka A	363	Jhanji Y	11,162
Ashok Kumar L	329	Jian Ma	293
Atalay Mumune	308	Jian-cheng Yang	288
		Jiang Gaoming	208
B affoun Ayda	57	Jin Enqi	437
Bahl Mansi	351		
Banale Ayano Koyrita	144	K aikai Sun	453
Bashari A	431	Kandhavadiyu P	243
Baykal Pinar Duru	267	Kantouch A	25
Becerir Behcet	250	Karbasi Saeed	81
Behera B K	112	Karuppan Perumal	315
Bhar R B	87	Kashyap Sonu Rani	105
Bhowmick M	137	Kasthuri N	100
Byrappa K	131	Keerthana A	329
		Khalili Haleh	386
C erovic Dragana D	363	Khosravi A	425
Chattopadhyay D P	157	Koranne Milind	157
Chattopadhyay R	144	Kostic Mirjana M	363
Chattopadhyay S K	137	Kothari V K	11,162
Chattopadhyay S N	414	Krofa D	180
Chaudhary Harshita	70	Kumar Ajay	180,200
Chaudhuri Atin	36	Kumaravelu R	100
Chipot Natalie	140	Kuthalam E Sankara	256
Choudhury Manabendra Dutta	184	Kuvvetli Yusuf	267
Chowdhury Soumita	195		
		L akshmanan Ammayappan	447
D adgar Mehran	273	Latifi M	203,399
Das Koushik	195	Lee Jong Soon	447
Dekanića T	170	Li Jun	392
Devi Sagarika	315	Li Manli	437
Dorgham Sohad M	25	Liu Xinjin	282
E l-Sayed A Atef	25	M Senthilkumar	329
Ezazshahabi Nazanin	203	Madanipour Khosro	203
		Maheshwari V	179,213
G ancarčik T	458	Mahmoudi Mohammad Reza	405
Garg Neelam	105	Majumdar P K	36
Geethadevi R	179	Merati Ali Akbar	273
Ghaderpanah P	399	Mihailovic Tatjana V	363
Gharanjig K	425	Mokhtari F	399
Ghosh Subhas	140	Mourad M M	43
Gon D P	195	Mukhopadhyay Gopal	195
Guha Tarit	87		
Guo Xiaoqing	453	N aghashzargar Elham	81
Gupta Charu	70	Nanda Prakash M B	131
Gupta D	11,70,162	Narayana Swamy V	419
		Nasrallah Sassi Ben	150
H alari N R	137	Ninge Gowda K N	419
Hamdaoui Mohamed	57,150		

Omran Ahemd	190	Somashekar R	131
Özkan Ilkan	267	Štork V	458
		Subramanian S	31
Pan N C	414	Sudhakar R	419
Panneerselvam R G	356	Sun Sha-Sha	62
Pareek P K	180,200	Sundaram S Kalyana	108
Parmar M S	231,351	Surjit R	243
Pasayev Nazim	308	Surya V T	19
Paul Palash	195	Szablewski Piotr	236
Pavithra V	329		
Peihua Zhang	94	Taghipoor Fatemeh	386
Poongodi S	329	Tang Xiaoning	453
Poornima S	100	Tang Ren-Cheng	62
Potsangbam Kumar Singh	184	Thejas Urs G	131
Pourjavadi A	431	Tholkappiyan E	19
Pradeep S	31	Tian Mingwei	453
Pušić T	170	Tong Youcheng	208
Qu Lijun	453	Uthaman P	31
R G Panneerselvam	320	Vaidheeswaran S	31
R P Chauhan	105	Varkiyani S Mohammad Hosseini	273
Raja A S M	180,200	Vijayakumar H L	320,356
Rakshit A K	137	Voráč J	458
Ramadan Mohamed A	43		
Ramprasath R	380	Wang Yunyi	392
Ramya K	213		
Rao J V	351	Xi Bojun	437
Rathakrishnan L	320, 356	Xiao-wei Wang	288
Rathinamoorthy R	243	Xiaowen Qi	293
Reljic Mirjana	363	Xing Tieling	62
Romdhani Zouheir	57	Xin-rong Li	288
Roy A K	414	Xiu-ming Jiang	288
		Xue Zhao	51
Saghafi Reza	405	Xuzhong Su	282
Sahin Cenk	267		
Saikhom Joylani Devi	184	Yang Yulin	293
Salama M	25	Yao Junzhou	208
Sanyal Partha	195	Ye Qiujuan	437
Saravanan D	19	Yekrang Javad	372
Sarijeh Behrouz	372	Yilmaz K	301
Saul P	458	Yilmaz N D	301
Semnani Dariush	81,372,405	Yongrong Wang	94
Senthil Kochadai Ashok	447	Yousef Elsayed	190
Senthilkumar P	256	Yuan Yao	94
Shaki H	425		
Shakyawar D B	180,200	Zarrebini Mohammad	372,405
Sherif Mohamed Abdel Salam Keshk	190	Zhang Yan	453
Singh J P	112	Zhang Yang	208
Singh Maheshwar	231	Zhang Zhaohua	392
Sisodia Nidhi	231	Zhu Shifeng	453
Soljačić I	170		