7

## **Indian Journal of Fibre & Textile Research**

www.niscair.res.in; http://nopr.niscair.res.in; http://op.niscair.res.in

VOLUME 45 CODEN: IJFRET	NUMBER 1 ISSN: 0971-0426 (Print)	MARCH 2020 e; 0975-1025 (Online)
	CONTENTS	
Effect of some feed filament parame of air-jet textured yarn fabrics R K Baldua, R S Rengasamy &	eters and weave on compressional properties  V K Kothari	Ş
Effect of elastane-cotton core-spun y mock leno fabric properties P R Badbade, E Deepak Raja &		14
Fabric comfort by modifying yarn st and transmission characteristics S M Ishtiaque, Unsanhame Maw		19
Effect of UV degradation and dynan carpets using multiple regression Meysam Moezzi, Soheyla Khava	n method	26
Evaluation of air permeability behav T Palani Rajan & Subrata Das	viour of warp knitted spacer fabrics	32
Bending rigidity of yarns using bean Malek Alshukur & Lisa Macinty	m method on a two-support configuration yre	40
Crystallite shape, dielectric constant cotton fibres using WAXS data V V Manju, S Divakara, Divaka	and functional data analysis of various	49
composites synthesized by air-je Emmanuel Alejandro Albanés-C	ion of PLA nanofibres and PLA/ZrO <sub>2</sub> mesoporous et spinning Djeda, Roxana Marisol Calderón-Olvera, Manuel García-I o Vega-Baudrit, Marco Antonio Álvarez-Perez & Octavio Al	
Effects of some acids, bases and salt Esra Kılıç & Nursel Pekel Bayra	ts on the morphology of polyurethane nanofibres amgil	65
Water filtration using nonwoven car Rahul Gadkari, Bipin Kumar, W	tridge filter system Vazed Ali, Apurba Das & R Alagirusamy	72

Analysis of impact energy absorption of kevlar and polyester composite impregnated with corn starch shear thickening fluid S Periyasamy & J Balaji	80
Flavonol-quercetin functionalized silk dyeing under different liquid fermentation conditions Hyunju Sim & Youngmi Park	90
Effect of textile softeners on BTCA treated cotton fabric Archana Mahapatra, Sharmila Patil, A Arputharaj, V D Gotmare & P G Patil	96
Influence of moisture management finish on comfort characteristics of knitted fabrics made from different yarns M B Sampath, C Prakash & M Senthil Kumar	102
Dyeing of cotton with vat dyes using alkaline catalase alongwith iron(II) salt Veeresh Mudnoor C & J N Chakraborty	109
Effect of repeated dry-cleaning process on physical properties of cotton, silk and wool fabrics R Rathinamoorthy	116
Short Communications	
Fabric defect detection algorithm based on PHOG and SVM Zhao Cuifang, Chen Yu & Ma Jiacheng	123
Performance of Indian crossbred wool on khadi spinning system H C Meena, D B Shakyawar, R K Varshney & Ajay Kumar	127