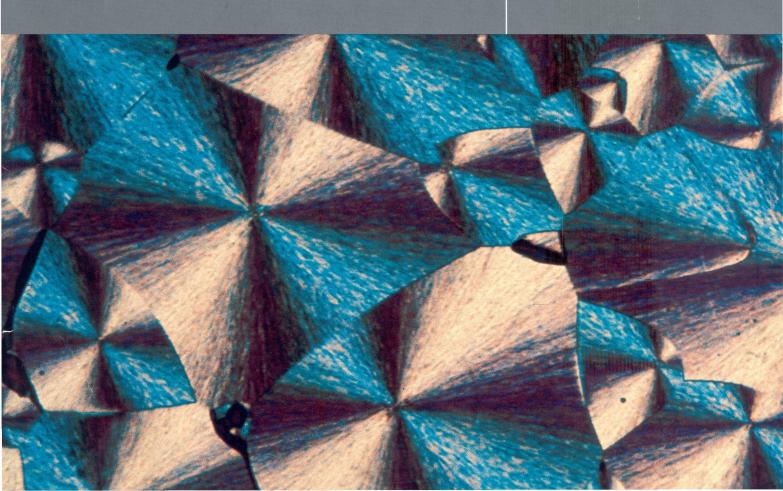


## Textile Research Journal

Volume 81 Issue 5 March 2011

http://trj.sagepub.com

**\$SAGE** Publications





## Contents

Original articles	
A novel approach to reduce fibrillation of PVA fibres using cellulose whiskers AJ Uddin, J Araki, Y Gotoh and M Takatera	447
A comparison of compact-jet, compact, and conventional ring-spun yarns D Yilmaz and MR Usal	459
Analysis of punching force during random-velour needling  H Mashroteh and M Zarrebini	471
Wrinkle-resistant finishing of cotton fabric with BTCA – the effect of co-catalyst YL Lam, CW Kan and CWM Yuen	482
Absorption and swelling characteristics of silver (I) antimicrobial wound dressings DV Parikh, T Fink, AJ DeLucca and AD Parikh	494
Antibacterial evaluation of cotton textile treated by trialkoxysilane compounds with antimicrobial moiety L Song and RH Baney	504
The evaluation of ozonation as an environmentally friendly alternative for cotton preparation HA Eren and D Ozturk	512
Experimental determination of ballistic performance of newly developed multiaxis non-interlaced/non-Z E-glass/polyester and 3D woven carbon/epoxy composites with soft backing aramid fabric structures  K Bilisik	520
Factors affecting crimp configuration of PTT/PET bi-component filaments  J Luo, F Wang and B Xu	538
Analysis of changes in mechanical and deformation properties of yarn by sizing IG Schwarz, S Kovacevic and K Dimitrovski	545