JOURNAL OF ENGINEERED FIBERS AND FABRICS

A Publication of Original Research & Advances in Fibers, Fibrous Materials And their Components & Applications

≪S SEARCH **About JEFF Submissions Subscribe** GO Current Issue **Previous Issues** Upcoming Issue

Volume 5, Issue 1 - 2010

The Journal of Engineered Fibers and Fabrics (JEFF) is an international, peer-reviewed scientific e-Journal that publishes original R&D on all aspects of fabric technologies and their value chain from raw materials to end use products

Original Papers

JEFF publishes on a quarterly basis

Tensile Behaviour of Spun Yarns under Static State

B. R. Das

Department of Textile Technology, Indian Institute of Technology New Delhi INDIA



Email This Article to a Colleague

Pages 1-9 (6 pages) / 180 kb

X-ray Diffraction of Cotton Treated with Neutralized Vegetable Oil-based Macromolecular Crosslinkers

Ericka N. Johnson Ford Sharathkumar K. Mendon Shelby F. Thames, Ph.D. James W. Rawlins, Ph.D. The University of Southern Mississippi, Hattiesburg, MS **UNITED STATES**



Email This Article to a Colleague

Pages 10-20 (11 pages) / 460 kb

Cellulose Acetate Fibers with Fluorescing Nanoparticles for Anti-counterfeiting and pHsensing Applications

Erin Hendrick, Margaret Frey, Ph.D. Erik Herz Ulrich Wiesner, Ph.D. Cornell University. Ithaca, NY **UNITED STATES**



Email This Article to a Colleague

Pages 21-30 (10 pages) / 542kb

Effect of Workwear Fabric Characteristics on the Changes in Tensile Properties of Sewing

Threads after Sewing

Vinay Kumar Midha, Ph.D. A. Mukhopadhyay, Ph.D. National Institute of Technology Jalandhar, Punjab INDIA

V. K. Kothari, Ph.D. R. Chattopadhyay, Ph.D. Indian Institute of Technology Delhi, INDIA



Email This Article to a Colleague

Pages 31-38 (8 pages) / 688 kb

<u>Lab-Scale Fiber Spinning Experimental Design Cost Comparison</u>

Jeffrey C. Moreland Julia L. Sharp, Ph.D. Philip J. Brown, Ph.D. Clemson University, Clemson, SC **UNITED STATES**



Email This Article to a Colleague

Pages 39-49 (11 pages) / 330 kb

Physical Characteristics of Titania Nanofibers Synthesized by Sol-Gel and Electrospinning **Techniques**

Soo-Jin Park Yong C. Kang Ju Y. Park Ed A. Evans Rex D. Ramsier George G. Chase University of Akron, Akron, OH **UNITED STATES**



Email This Article to a Colleague

Pages 50-56 (7 pages) / 602 kb