

JOURNAL OF ENGINEERED FIBERS AND FABRICS

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

[About JEFF](#)

[Submissions](#)

[Subscribe](#)



SEARCH

[Current Issue](#)

[Previous Issues](#)

[Upcoming Issue](#)

GO

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 pH-sensing 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](#)

Lab-Scale Fiber Spinning Experimental Design Cost Comparison

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](#)