



## Peer Review Research

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### 1 Laboratory Ginning and Blending Impacts on Cotton Fiber Micronaire Measurements

By James Rodgers, Chanel Fortier, Chris Delhom, and Xiaoliang Cui, USDA-ARS-SRRC

#### Key Terms

Blending, Cotton, Fiber, Fibronaire, HVI, Laboratory Ginning, Micronaire, Near Infrared, NIR

DOI: 10.14504/ajr.2.4.1

### 8 Kinetic Dynamics in Cellulase Hydrolysis of C.I. Sulfur Black 1 Dyed Cotton Fabric

By Jiming Yao, Chunxiao Dou, Sainan Wei, and Mingyuan Zheng, Hebei University of Science and Technology

#### Key Terms

Cellulase, Cellulose, Enzyme Inhibition, Hydrolysis, Kinetics, Modeling, Sulfur Dyes

DOI: 10.14504/ajr.2.4.2

### 14 Thermal Properties of Electrospun Polyacrylonitrile-Graft-Antarctic Krill Protein

By Jing Guo, Siyang Mu, Yuanfa Liu, Yuyan Zhang, and Sen Zhang, Dalian Polytechnic University

#### Key Terms

DSC, Electrospinning, FTIR, Grafting, Krill, PAN, Polyacrylonitrile, Protein, SEM, TGA, XRD

DOI: 10.14504/ajr.2.4.3

### 20 Flocked Bioconversion Media for Ammonia/Water Bioremediation I: Materials and Experimental Methodology

By Yong K. Kim, Armand F. Lewis, and Yu Sun, University of Massachusetts-Dartmouth

#### Key Terms

Ammonia/Water Bioremediation, Aquaculture, Bio-filter, Bio-media, Flocking

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