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

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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

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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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