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1 Scale-Up of an Ultrasound-Enhanced Bioscouring Process

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Key Terms

Bioscouring, Enzymes, Greige Cotton, Ultrasound

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7 Degree of Chitosan Deacetylation on Antimicrobial Properties of Nylon 6,6 Fabrics

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Key Terms

Antimicrobial Activity, Chitosan, Deacetylation Degree, FTIR, SEM, Titration, XPS

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12 Identification of Common Cotton Contaminants using an FTIR Microscope with a Focal Plane Array Detector

By Michael Santiago Cintrón and James E. Rodgers, USDA-ARS-SRRC

Key Terms

Cotton, Fabric Contamination, FTIR, Imaging, Microscopy

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By Dan Yang, Yu Hu, Xiaozhou Gong, and Shangyong Zhang, Wuhan Textile University and Xiaogang Chen, University of Manchester

Key Terms

Aramids, Body Armor, Ballistic Performance, NIJ standard, Nylon, Polyethylene, UHMWPE, Woven

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