



Peer Review Research

1 Characterization and Development of a New Method for Determination Charge Density of 3-(Trimethoxysilyl)-propyldimethyloctadecyl Ammonium Chloride Coatings on Polyester Surfaces

By H. Avci, North Carolina State University, R. Monticello, International Antimicrobial Council, and R. Kotek, North Carolina State University

Key Terms

3-(trimethoxysilyl)-propyldimethyloctadecyl Ammonium Chloride, Antimicrobials, Charge Density, Efficiency, Polyester

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11 Coloration of Cationized Cellulosic Fibers—A Review

By A. K. Roy Choudhury, Government College of Engineering and Textile Technology, Serampore

Key Terms

Cationization, Cotton, Eco-friendly Dyeing, Linen, Organic Amines, Pigment Dyeing, Ramie, Salt-free Reactive Dyeing

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20 Dyeing of Jute Fabric with Natural Dye Extracted from Annatto

By S. N. Chattopadhyay, N. C. Pan, A. K. Roy, and A. Khan, Indian Council of Agricultural Research

Key Terms

Annatto, Bleaching, Color Yield, Dye Extraction, Fastness, Jute Fabric, Mordanting, Natural Dyeing, Washfastness

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28 Attachment of β -Cyclodextrins on Cotton and Influence of β -Cyclodextrin on Ester Formation with BTCA on Cotton

By Usha Rashmi Bhaskara, University of Twente; Audrey Tourrette, University of Toulouse; Dragan Jovic, University of Belgrade; and M. M. C. G. Warmoeskerken, University of Twente

Key Terms

β -Cyclodextrin, Cotton, BTCA, FTIR-ATR spectroscopy

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