



## Peer Review Research

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### 1 Effect of Acrylate Constituent Units on the COD Removal Rates of Acrylate Copolymers for Warp Sizing

By Zhiyong Qiao and Hong Zhu, Changzhou Textile Garment Institute; Enqi Jin, Shaoxing University; and Zaixing Zhang and Yonglan Li, Changzhou Textile Garment Institute

#### Key Terms

Acrylate Copolymer, COD Removal Rate, Sizing Agents

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### 8 Synthesis of a Bi-functional Cationic Agent and its Application in Cotton Dyeing

By Hongping Yuan, Changzhou Textile and Garment Institute and Peter J. Hauser, North Carolina State University

#### Key Terms

Bi-functional Cationic Agent, Cationization, Cotton, Reactive Dyeing, Synthesis

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### 13 Enhanced Antibacterial Properties of Polyester and Polyacrylonitrile Fabrics Using Ag-NP Dispersion/Microwave Treatment

By N. A. Ibrahim, National Research Centre, Cairo, Egypt; G. A. Kadry, Elshuorouk Academy; and B. M. Eid and H. M. Ibrahim, National Research Centre, Cairo, Egypt

#### Key Terms

Antibacterial, Dyeing, Glucose, Microwave, Nanoparticle, Polyacrylonitrile, Polyester, PVP, Silver

DOI: 10.14504/ajr.1.2.3

### 20 An Approach for Measuring Pressure Characteristics of Medical Compression Stockings

By Nida Oğlakcioğlu and Arzu Marmaralı, Ege University

#### Key Terms

Compression, Medical, Medical Textiles, Pressure Profile, Stockings, Varicose Veins

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