



Peer Review Research

1 Thermal Comfort Difference on Gender under Military Garment System Using Thermal Manikin

By Su Kyoung An and Tanya Domina, Central Michigan University

Key Terms

Body Armor, Comfort, Military, Thermal Comfort

DOI: 10.14504/ajr.2.3.1

6 One-Step Pad Dyeing and DP Finishing of Cotton: Part 1. Reactive Dyes with DMDHEU

By Shiqi Li, Harold Freeman, Henry Boyter Jr., and Lei Qian, North Carolina State University

Key Terms

Cotton, DMDHEU, Durable Press, Dyeing, Finishing, Fixation, Reactive Dyes

DOI: 10.14504/ajr.2.3.2

13 One-Step Pad Dyeing and DP Finishing of Cotton: Part 2. Mechanism of Dye Fixation Using DMDHEU

By Shiqi Li, Harold S. Freeman, and Henry Boyter Jr., North Carolina State University

Key Terms

Cotton, DMDHEU, Durable Press, Dyeing, Finishing, Fixation, Reactive Dyes

DOI: 10.14504/ajr.2.3.3

21 Modeling Degradation of Dye Molecules into Water, and Light Molecular and Gaseous Components

By Roy Jr Gan and Majid Sarmadi, University of Wisconsin-Madison

Key Terms

Dye Degradation, Kinetics, Modeling, PECO, Photo-electro Catalytic Oxidation

DOI: 10.14504/ajr.2.3.4