



Table of Contents

- 1 Effect of Self-Contained Breathing Apparatus (SCBA) on Heat Loss in Structural Firefighter Turnout Suits**
By Meredith McQuerry, Florida State University, and Emiel DenHartog and Roger Barker, North Carolina State University
- Key Terms**
Comfort, Firefighter, Protective Clothing, Turnout Suit, Ventilation
- DOI:** 10.14504/ajr.4.5.1
- 6 Cotton Dyeing with Sulfur Dyes using Alkaline Enzymes as Alternate Reducing Systems**
By J. N. Chakraborty, National Institute of Technology, Jalandhar and Priyadarshi Jaruhar, Apparel Training and Development Centre, Ludhiana, India
- Key Terms**
Color Strength, Enzymes, Reduction Potential, Sodium Sulfide, Sulfur Dyes
- DOI:** 10.14504/ajr.4.5.2
- 14 Effect of Silicone Softener Particle Size on the Colorfastness, Softness, and Tensile Strength of 100% Cotton Woven Fabrics**
By Ebru Demirci, Sinem Guneşoğlu, Mehmet Topalbekiroğlu, and Cem Guneşoğlu, University of Gaziantep
- Key Terms**
Colorfastness, Cotton Fabric, Particle Size, Silicone Softener
- DOI:** 10.14504/ajr.4.5.3
- 21 Expanded Selective Bacterial Enumeration with the TEMPO Most Probable Number Technique for AATCC Test Method 100**
By Maria Bernardini Piazza, Trevor Smith, Adam Liebowitz, Joseph Venezia, and Steven Arcidiacono, US Army Natick RD&E Center
- Key Terms**
Antimicrobial, Bacterial Enumeration, Most Probable Number, TEMPO
- DOI:** 10.14504/ajr.4.5.4