Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

8 Spontaneous Action and Everyday Practice in the Fashion Business
Z. Patora-Wysocka

14 Chinese Textile Industry: Sustainable Development Challenges and Competitiveness issues in Economic Environment Dynamics
M. N. Dudin, N. V. Lyasnikov, D. G. Kahramanovna, A. V. Kuznecov

RESEARCH AND DEVELOPMENT

19 Comparative Study of the Characteristics of Knitted Fabrics Produced from Recycled Fibres Employing the Chauvenet Criterion, Factorial Design and Statistical Analysis

25 Impact of Water in the Casting of Cellulosic Film from Ionic Liquid Solutions
D. Wawro, W. Stęplewski, W. Madaj, A. Michud, M. Hummel, H. Sixta

33 Numerical and Experimental Studies of Material Properties of Special - Purpose Material Twaron T750
W. Barnat, D. Sokolowski, R. Gieleta, P. Bogasz

39 Resilience and Deformability of Fused Textile Systems
K. Ancutiene, E. Strazdiene, L. Krusinskiene

46 Analysis of Changes in the Internal Structure of PA6.6/PET Fabrics of Different Weave Patterns under Heat Treatment
M. Baburski, M. Góralczyk, M. Snycerski

52 Study on Thermal Insulation Properties of Aluminised Aramid Fabrics
G. Cai, H. Wang, Z. Luo, X. Wang

57 Simplified Model for Predicting Fabric Thermal Resistance According to its Microstructural Parameters
J. Wei, S. Xu, H. Liu, L. Zheng, Y. Qian

61 Lateral and Perpendicular Thermal Conductivity Measurement on Textile Double Layers
M. Felczak, G. De Mey, B. Więcek, M. Michalak

66 Optimization of Comfort Properties of Single Jersey Knitted Fabrics
E. Çoruh

73 Thermal Stability of Polyester Fabric with Polyacrylic Coatings
A. Nejman, I. Kamińska, P. Giesz, M. Cieślak

83 Influence of Metal Fibre Content of Blended Electromagnetic Shielding Fabric on Shielding Effectiveness Considering Fabric Weave
Z. Liu, Y. Zhang, X. Rong, X. Wang

88 Biocidal Agent for Modification of Poly(lactic acid) High-efficiency Filtering Nonwovens
K. Majchrzyczka, A. Brochocka, B. Brycki

96 Solvent Vapour-Sensitive Activated Carbon Submicrofibres Based on Electrospun Polyacrylonitrile Fibre Mat
E. Gliścińska

103 Determination of the Risk of Head and Neck Injuries of the User of Bulletproof Helmets
M. Landwirt, R. Romek

110 Effect of Repeated Loading on Textile Rope and Webbing Characteristics in Personal Equipment Protecting Against Falls from a Height
K. Baszczyński

119 Optimization of the Thickness of Layers within a Calender Shaft
R. Korycki, H. Kapusta

127 Simulation Tests of the Feeding System Dynamics on a Warp Knitting Machine with Four Needle Bars
A. Michalak, M. Kuchar, Z. Mikolajczyk

134 Antifungal Activity of Paper Modified with Ionic Liquids
A. Koziróg, A. Wysocka-Robak, K. Przybylsz

138 Biological Treatment of Post-Nanofiltration Concentrate of Real Textile Wastewater
A. Klepacz-Smolka, J. Sjóka-Leiakowicz, S. Leiakowicz

146 Information for Authors. Advertising and Subscription Information