

Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

7 Production Management Model for Short Life-Cycle Goods *E. Grandys*

RESEARCH AND DEVELOPMENT

- 11 Nanocomposite Calcium Alginate Fibres Containing SiO₂ and Bioglass
M. Boguń
- 20 Comparative Analysis of the Ring Spinning Process, Both Classic and Compact: Theoretical Reflections.
Part 1: Elaboration of the Statistical Model Based on Multiple Regression
S. Lewandowski, R. Drobina, I. Józkowicz
- 26 Evaluation of the Significance of Processing Parameters for the Characteristics of Interlaced Yarn
Hua Qiu, Mingqiao Ge
- 29 Dynamic Mechanical Analysis of Nylon 66 Cord Yarns
A. Demšar, V. Bučošek, A. Kljun
- 35 Measuring the Blend Ratio of Wool/Cashmere Yarns Based on Image Processing Technology
Qian Kun, Li Hongshun, Cao Haijian, Yu Kejing, Shen Wei
- 39 Study on the Properties of Core Spun Yarn and Fabrics of Shape Memory Polyurethane
Jing Lu, Hu Jinlian
- 43 Comparable Analysis of the End-Use Properties of Woven Fabrics with Fancy Yarns.
Part II: Abrasion Resistance and Mass
E. Kumpikaitė, A. Ragaišienė, M. Barburski
- 46 Automatic Inspection of Woven Fabric Density of Solid Colour Fabric Density by the Hough Transform
R. Pan, W. Gao, J. Liu, H. Wang
- 52 Modelling the Process of the Compression of Distance Knitted Fabrics in the Aspect of 'Elastica Curves'
B. Supel, Z. Mikolajczyk
- 56 Wettability of Easy-Care Finished Cotton
F. Uddin, M. Lomas
- 61 Probabilistic Model of Dynamic Forces in Thread in the Knitting Zone of Weft Knitting Machines,
Allowing for the Heterogeneity of Visco-Elasticity Yarn Properties
K. Kowalski, B. Włodarczyk, T. M. Kowalski
- 68 Development of a Procedure for Camouflage Pattern Design
M. Friškovec, H. Gabrijelčič
- 77 Testing the Efficiency of the Simultaneous Air Cleaning of Dust and Gases by Fibrous Filtering
and Sorptive Structures
J. Kalužka, E. Jankowska, M. Pośniak, D. Ławniczak
- 82 Influence of Undergarment Structure on the Parameters of the Microclimate
under Hermetic Protective Clothing
G. Bartkowiak
- 87 Modification of a Polylactide Fibre Surface
R. Jantas, S. Poloviński, D. Stawski, J. Szumilewicz
- 92 Effect of Changes in the Nanostructure of the Outer Layer of Synthetics Fibers
on their Dyeing Properties
S. Brzeziński, A. Kaleta, D. Kowalczyk, G. Malinowska, B. Gajdzicki
- 99 Removal of Copper and Chromium Ions from Aqueous Solutions Using
Hydrophilic Finished Textile Fabrics
S. M. Ibrahim
- 105 Textile Wastewater Treatment by the Fenton Method
L. Kos, K. Michalska, J. Perkowski
- 110 Information for Authors. Advertising and Subscription Information

General information: 6th Central European Conference CEC 2010 p - 19, XIPS'2010, p - 25, University of Bielsko-Biała,
Faculty of Materials and Environmental Science p - 28 & 109.