

Contents

4 Abstracts in Polish

RESEARCH AND DEVELOPMENT

- 8 **Properties and Structure of Polish Alpaca Wool**
Z. Czaplicki
- 13 **Bioprocessing of Bamboo Materials**
J. Fu, X. Zhang, C. Yu, G. M. Guebitz, A. Cavaco-Paulo
- 20 **Tensile Properties of Regenerated Bamboo Yarn**
L. Li, H. Yan
- 23 **Using Intelligent Control Systems to Predict Textile Yarn Quality**
D. Nurwaha, X. H. Wang
- 28 **Study of the Stress Relaxation Property of Vortex Spun Yarn in Comparison with Air-jet Spun Yarn and Ring Spun Yarn**
Z. Y. Zou
- 33 **Study of the Hairiness of Polyester-Viscose Blended Yarns. Part III - Predicting Yarn Hairiness Using an Artificial Neural Network**
E. Haghighat, M. S. Johari, S. M. Etrati, M. A. Tehran
- 39 **New Technique for Producing Weft-Warp Knitted Fabrics**
K. Kopias
- 42 **Determination of Natural Convective Heat Transfer Coefficient for Plain Knitted Fabric via CFD Modeling**
S. Duru Cimilli, E. Deniz, C. Candan, B. U. Nergis
- 47 **Assessment of the Thermoregulation Properties of Textiles with Fibres Containing Phase Change Materials on the Basis of Laboratory Experiments**
G. Bartkowiak, A. Dąbrowska
- 53 **Electrical Conductivity of Woven Fabrics Coated with Carbon Black Particles**
D. Negru, C.-T. Buda, D. Avram
- 57 **Electrical Conductive Textiles Obtained by Screen Printing**
I. Kazani, C. Hertleer, G. De Mey, A. Schwarz, G. Guxho, L. Van Langenhove
- 64 **Design and Development of a Pressure Sensing Device for Analysing the Pressure Comfort of Elastic Garments**
M. Senthilkumar, L. Ashok Kumar, N. Anbumani
- 70 **Antibacterial and Fungicidal Coating Textile-polymeric Materials Filled with Bioactive Nano- and Submicro-particles**
S. Brzeziński, G. Malinowska, D. Kowalczyk, A. Kaleta, B. Borak, M. Jasiorski, K. Dąbek, A. Baszczuk, A. Tracz
- 78 **Modification of PLA Fibres with Bioacceptable Hydrophilic Polymers**
S. Polowiński, R. Jantas, J. Szumilewicz, D. Stawski, L. Herczyńska, Z. Draczyński
- 86 **Polyaniline (PANI) Composites – Preparation in Carbonated Water, PANI/Pulp Paper Sheet, and PANI/Surfactant**
H. Goto, H. Kawashima
- 90 **Experimental Investigation of the Washing Relaxation of Knitted Fabrics from Polyester Yarn with Stainless Steel Fibres**
A. Ehrmann née Tillmanns, F. Heimlich, A. Brücken, M. O. Weber, T. Blachowicz
- 94 **Formaldehyde Free Binding System for Flame Retardant Finishing of Cotton Fabrics**
D. Katović, S. Flinčec Grgac, S. Bischof-Vukušić, A. Katović
- 99 **Effect of UV/H₂O₂ Oxidation on Fouling in Textile Wastewater Nanofiltration**
R. Żyłła, J. Sójka-Ledakowicz, K. Michalska, L. Kos, S. Ledakowicz
- 105 **Dynamic Changes in the Filtration Efficiency of Cooling Oil Filter Media**
T. Jankowski
- 113 **Effect of the Free Swelling of Refined Cellulose Fibres on the Mechanical Properties of Paper**
K. Olejnik
- 118 **Information for Authors. Advertising and Subscription Information**