

Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 7 **Electronic Commerce and Business in the Polish Textile and Clothing Sector**
T. Czajkowski

RESEARCH AND DEVELOPMENT

- 10 **Comparative Study of the Degumming of Mulberry, Muga, Tasar and Ericream Silk**
M. D. Teli, V. M. Rane
- 15 **Synthesis of Polyaniline in Carbonated Water in the Form of Nanofibre**
H. Goto
- 18 **Functionalisation of Polypropylene. Part I. Mechanical, Electric and Sorptive Properties of PP Fibres Modified with Concentrates Consisting of Copolyamides and Nanoclay**
M. Krištofič, I. Vassová, A. Ujhelyiová, J. Ryba
- 23 **Improving the Quality of Combed Yarn Spun by OE Rotor Spinning Using the Grey-Taguchi Method**
T.-L. Su, H.-W. Chen, C.-M. Ma, C.-F. Lu
- 28 **Evaluation of a Manufacturing Technique of Polyamide Bamboo Charcoal / Polyurethane Complex Yarns and Knitted Fabrics and Assessment of their Electric Surface Resistivity**
C. M. Lin, C. C. Huang, C. W. Lou, A. P. Chen, S. E. Liou, J. H. Lin
- 33 **Development of Weave Code Technology for Textile Products**
B.-J. Xin, J.-L. Hu, G. Baciú, X. Yu
- 36 **Investigating the Performance of Various Relaxation Processes on the Surface Regularity and Dimensional Properties of Plain Knitted Fabrics Using the Image Processing Technique**
H. R. Sanjari, D. Semnani, M. Sheikhzadeh
- 43 **Textronic Contact Junction**
J. Zięba, M. Frydrysiak
- 47 **Lockstitch Tightening Model with Mechanical and Thermal Loads**
R. Korycki, R. Krasowska
- 54 **Ageing Simulation of Fabrics Destined for Protective Clothing**
K. Łęzak, I. Frydrych
- 61 **Effect of Accelerated Ageing Conditions on the Protective Properties of Anti-Blow Products**
K. Fortuniak, G. Redlich, M. Łandwajt
- 65 **Assessment of Textiles for Use in Operating Theatres with Respect to the Thermal Comfort of Surgeons**
A. Bogdan, I. Sudol-Szopińska, T. Szopiński
- 70 **Synthesis of Zinc Oxide in an Emulsion System and its Deposition on PES Nonwoven Fabrics**
T. Jesionowski, A. Kołodziejczak-Radzimska, F. Ciesielczyk, J. Sójka-Ledakowicz, J. Olczyk, J. Sielski
- 76 **Evaluation of the Photocatalytic Properties of Textile Fabrics Modified with Anatase Titanium Dioxide**
K. Siwińska-Stefańska, F. Ciesielczyk, T. Jesionowski, J. Sójka-Ledakowicz, W. Lota, A. Walawska
- 84 **Low Temperature Dyeing of Plasma Treated Luxury Fibres. Part I: Results for Mohair (Angora Goat)**
R. Atav, A. Yurdakul
- 90 **Properties of Wool and Cotton Fabrics Dyed with Eucalyptus, Tannin and Flavonoids**
R. Mongkholrattanasit, J. Kryštůfek, J. Wiener, J. Studničková
- 96 **Characterisation of Bleached Hemp Pulps with the Use of the Computer Image Analysis Method**
D. Danielewicz, B. Surma-Ślusarska

CONFERENCES, FAIRS AND OTHER EVENTS

- 102 **Future Events 2011**
- 105 **Seminar on Strategic Research Programs Realised or Co-realised by the Technical University of Lodz**
I. Krucińska
- 108 **Information for Authors. Advertising and Subscription Information**