

Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 8 **Nanotechnology - Methods of Manufacturing Cellulose Nanofibres**
M. Szczesna-Antczak, J. Kazmierczak, T. Antczak
- 13 **Innovation of the Polish Textile Sector with Respect to Antibacterial and Bacteriostatic Textiles**
S. Bakalarczyk

RESEARCH AND DEVELOPMENT

- 18 **Ethnobotany of Natural Fibres - *Bactris setosa* (tucum) in a Traditional Rural Community**
A. Y. Sato Duarte, R. Santiago de Queiroz, R. A. Sanches, C. R. Garcia, F. G. Dedini
- 21 **Physical and Chemical Properties of Different Morphological Parts of Sugar Palm Fibres**
J. Sahari, S. M Sapuan, Z. N. Ismarrubie, M. Z. A. Rahman
- 25 **Mechanical Properties of an Electrospun Polymer Fibre-Metal Oxide Nanocomposite Mat**
A. Krupa, A. Jaworek, S. Sundarajan, D. Pliszka, S. Ramakrishna
- 28 **Coaxial Electrospinning of Miscible PLLA-Core and PDLA-Shell Solutions and Indirect Visualisation of the Core-Shell Fibres Obtained**
H. Kriel, R. D. Sanderson, E. Smit
- 34 **Experimental Study on the Mechanic Behaviour of Weft Knitted Fabrics**
L. Ciobanu, F. Filipescu
- 40 **Influence of the Knitting Structure of Double-Layered Fabrics on the Heat Transfer Process**
A. Bivainytė, D. Mikučionienė, D. Milašienė
- 44 **Analysis and Design of a Broad-Width Coat-Hanger Die in the Melt Blowing Process**
K. Meng, X. H. Wang, Q. G. Chen
- 48 **Texture Modelling of Fabric Appearance Evaluation Based on Image Analysis**
B. Xin, Y. Li, J. Qiu, Y. Liu
- 53 **Estimation of the EMR Shielding Effectiveness of Knit Structures**
I. Ciesielska-Wróbel, K. Grabowska
- 61 **Manufacturing of Fibreglass Nonwoven Webs Using a Paper Making Method and Study of Fibre Orientation in These Webs**
Sh. H. S. Yousfani, R. H. Gong, I. Porat
- 68 **Using Vacuum Deposition Technology for the Manufacturing of Electro-Conductive Layers on the Surface of Textiles**
R. Pawlak, E. Korzeniewska, M. Frydrysiak, J. Zięba, Ł. Tęsiorowski, K. Gniotek, Z. Stępień, M. Tokarska
- 74 **Textronic Sensor for Monitoring Respiratory Rhythm**
M. Frydrysiak, J. Zięba
- 79 **Prototypes of Carbon Nanotube-Based Textile Sensors Manufactured by the Screen Printing Method**
I. Krucińska, E. Skrzetuska, W. Urbaniak-Domagala
- 84 **Activated Carbon / Dibutyrylchitin (DBC) as Fibrous Antibacterial Noncytotoxic Wound Dressing Material**
E. Gliścińska, K. Babel, I. Krucińska, E. Kowalczyk
- 91 **Influence of Bleaching Stages and Dyeing Process on Changes in a Selected Heavy Metal Content in Flax Fibres**
E. Matyjas-Zgondek, M. I. Szykowska, A. Pawlaczyk, E. Rybicki
- 96 **New Approach to the Safety Evaluation of Textile Goods. Part I. Bioindicative Measuring Method for Formaldehyde Content in Textiles**
R. Salerno-Kochan
- 102 **Evaluation of the Possibilities of Upgrading the Papermaking Potential for Different Recycled Pulp Grades**
K. Olejnik, A. Stanisławska, A. Wysocka-Robak, P. Przybysz

CONFERENCES, FAIRS AND OTHER EVENTS

- 107 **Lodz Textiles once Again – Initiative for the Renewal of the Textile Industry in Lodz**
W. Luczyński
- 108 **Future Events 2012**
- 112 **Information for Authors. Advertising and Subscription Information**