

Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 8 **Competitive Advantage Through Supply Chain Collaboration – An Empirical Study of the Indian Textile Industry**
R. Vanathi, R. Swamynathan
- 14 **Comparing the Profit Margin of Textiles Woven on a Hand Loom and Automatic Loom in the Textile Industry: Case of Buldan City**
S. Özdemir, E. Utkun
- 18 **Development Directions of the Raw Material Base of the Paper Industry with regard to the Sustainable Development Concept**
P. Przybysz, K. Buzala

RESEARCH AND DEVELOPMENT

- 24 **Preparation and Properties of Natural Cellulose Fibres from *Broussonetia papyrifera* (L.) Vent. Bast**
L. Qu, M. Tian, X. Guo, N. Pan, X. Zhang, S. Zhu
- 29 **Morphological and Material Properties of Polyethyleneterephthalate (PET) Fibres with Spores Incorporated**
L. Ciera, L. Beladjal, X. Almeras, T. Gheysens, L. Van Landuyt, J. Mertens, V. Nierstrasz, L. Van Langenhove
- 37 **Formation of Microfibres from Cellulose Acetate Butyrate by Electrospinning with a Surface Modified in Low-temperature Plasma**
W. Biniś, D. Biniś
- 43 **Specific Properties of Woven Multiaxial Structures**
B. Czekalski, M. Snycerski
- 51 **Application of Principal Component Analysis to Boost the Performance of an Automated Fabric Fault Detector and Classifier**
M. Eldessouki, M. Hassan, K. Qashqari, E. Shady
- 58 **Model of Vertical Porosity Occurring in Woven Fabrics and its Effect on Air Permeability**
M. Havlová
- 64 **Sound Insulation Property of Three-dimensional Spacer Fabric Composites**
H. Cao, K. Yu, K. Qian
- 68 **Printed Textiles with Chemical Sensor Properties**
I. Krucińska, E. Skrzetuska, W. Urbaniak-Domagala
- 73 **Modelling of the Knitting Process during the Knitting-in of Elastomeric Threads Using Knitting Machines with Relanit and Classic Knitting Zone**
R. Pietruszewska, K. Kowalski, M. Klonowska, T. M. Kowalski
- 81 **Effect of Knitted Loop Length on the Fluctuation Amplitude of Yarn Fed into a Circular Weft-Knitting Machine using a New Opto-Electro Device**
M. E. M. Heravi, S. S. Najar, M. Moavenian, M. E. Yazdanshenas
- 87 **Influence of Stress and Relaxation Characteristics of Knitted Fabrics on the Unit Pressure of Compression Garments Supporting External Treatment**
A. Ilska, K. Kowalski, M. Klonowska, T. M. Kowalski
- 93 **Investigation of Moisture Transport Properties of Knitted Materials Intended for Warm Underwear**
J. Baltušnikaitė, A. Abraitienė, L. Stygienė, S. Krauledas, V. Rubežienė, S. Varnaitė-Zuravliova
- 102 **Experimental Study of Clothing Tactile Comfort Based on Electro-neurophysiology**
Y. Wang, Y. Wang, M. Zhao, M. Yu, J. Li
- 107 **Fitting Evaluation of Pattern Making Systems According to Female Body Shapes**
D. Tama, Z. Öndoğan
- 112 **Modelling the Strength-Elongation Characteristic of Forming Fabrics for the Paper Industry**
J. Stepanovic, D. Stojiljkovic, I. Vilumsone-Nemes, P. Mitkovic
- 117 **Genetic Studies of Wood Structure Using an Optical Fibre Analyser**
M. Klisz, T. Wojda
- 122 **New Method for Preparation of Biodegradable Medical Materials Characterised by Highly Developed Porous Structures**
S. Kowalska, I. Krucińska, A. Komisarczyk, B. Żywicka
- 132 **Waste Treatment with Supercritical Water**
M. Głębowski, W. Szewczyk
- 140 **Information for Authors. Advertising and Subscription Information**

General information: 18th International Papermaking Conference & Exhibition p. - 92, EPNOE 2015 p. - 121, E-MRS 2014 FALL MEETING p. - 131, XVI International Biodeterioration and Biodegradation Symposium p. - 138.