

# Contents

## 6 Abstracts in Polish

### GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 8 **Creating an Alternative Production Line by Using a Simulation Technique in Duvet Cover Production**  
*C. Ūnal, Z.A. Demirbař*

- 13 **Shaping Consumer Behaviour in the Fashion Industry by Interactive Communication Forms**  
*D. Kaczorowska-Spychalska*

### RESEARCH AND DEVELOPMENT

- 20 **Review of the Characteristic Curves of Silkworm Cocoon Hot air Drying and its Technological Configuration**  
*P. Wei, W. Tuo, J. Chen, X. Chen, J. Xie*
- 29 **Comparison of the Structure and Properties of Wool and Cashmere Fibers under Potassium Permanganate Treatment**  
*L. Li, C. Qin, C. Liu*
- 34 **Fabrication and Characterization of Photochromic Spirooxazine/Polyvinylidene Fluoride Fiber Membranes via Electrospinning**  
*L. Peng, R. Guo, J. Lan, S. Jiang*
- 39 **Investigation of Moisture Management and Air Permeability Properties of Fabrics with Linen and Linen-Polyester Blend Yarns**  
*E.K. Çeven, G.K. Günaydin*
- 48 **Influence of Weave Parameters on Woven fabric Tear Strength**  
*R. Milařius, B. Legaudienė, G. Laureckienė*
- 52 **Energy Stored in the Electric Field Produced by a Charged Fabric with a Conductive Mesh**  
*R. Kacprzyk, J. Król, A. Pelesz*
- 59 **Investigation of Selected Physical Properties of Knitted Fabrics Produced From Macaroni Yarns**  
*E.K. Çeven, G.K. Günaydin*
- 67 **New Image Analysis Method for Determination of the Inter-Fibre Pore Size Intensity of Polyester Woven Barrier Fabrics**  
*R.T. Kocaman, D. Aibibu, C. Cherif*
- 75 **Designing Seamless Compression Products Supporting the Process of External Treatment on Numerically Controlled Flat Knitting Machines**  
*K. Kowalski, K. Karbowski, M. Klonowska, A. Prążyńska, W. Sujka, T.M. Kowalski*
- 82 **Evaluation of Regenerated Bamboo, Polyester and Cotton Knitted Fabrics for Summer Clothing**  
*C. Sarıcam, N. Okur*
- 90 **Different Approaches in Bathrobe Manufacturing: New Concept Pestemal Bathrobes, an Irreplaceable Element of Hammam Culture**  
*M. Kalkanci*
- 97 **Simulation of Delamination in a Composite Using a Shell-beam Mesoscale Finite Element Model**  
*J. Marszałek, J. Stadnicki*
- 104 **Evaluation of the Elastomeric Composite Self-repair Process for the Construction of Protective Gloves**  
*A. Adamus-Włodarczyk, A. Bacciarelli-Ulacha, E. Irzmańska, A. Strąkowska, M. Masłowski*
- 111 **Effect of Microwave Irradiation on the Physical Properties and Structure of Silk Fibre**  
*Z. Xue*
- 116 **Properties of Cotton Fabric Modified with a Chitosan Quaternary Ammonium Salt Nanoparticle**  
*Z. Wei, D. Xinlan, Z. Jinjie*
- 122 **Estimating the Effect of Torso Clothing Insulation on Body Skin and Clothing Temperatures in a Cold Environment Using Infrared Thermography**  
*R.A. Angelova, E. Georgieva, D. Markov, T. Bozhkov, I. Simova, N. Kehaiova, P. Stankov*
- 130 **Lithuanian Folk Textile Heritage: Expressive Possibilities of Designs**  
*S. Petrułyte, D. Petrulisc*
- 138 **Information for Authors. Advertising and Subscription Information**

**General information:** 8th International Textile Conference of Applied Research on Textile CIRAT 2018 – cover II; IBWCh – Laboratory of Microbiology – p. 12; IBWCh – Laboratory of Environmental Protection – p. 19; IBWCh – FTEE – p. 33; Inter Nano Poland 2018 – p. 38; IBWCh – FTEE – p. 51; Textile Research Institute – p. 58; 8th International Textile Conference – p. 66; IBWCh – Laboratory of Biodegradation – p. 74; University of Bielsko-Biała (ATH) – p. 96; IBWCh – Multifilament Chitosan Yarn – p. 110; 18th European Congress On Biotechnology ECB 2018 – p. 115; FTEE – p. 129; IBWCh – FTEE – p. 137; IBWCh – cover III.