

Contents

6 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 8 **Performance of Textile and Apparel Companies Listed on the Warsaw Stock Exchange**
J. Gajdka, T. Schabek
- 16 **Cotton Matters. A Recognition and Comparison of the Cottonopolises in Central-Eastern Europe during the Industrial Revolution**
K. Kowalski, R. Matera, M.E. Sokółowicz
- 24 **Textile Sector of the Visegrad Group Countries in Trade with the European Union**
R. Dziuba, M. Jabłońska, K. Sulak, K. Ławińska
- 30 **Potential Risks and Their Analysis of the Apparel & Textile Industry in Turkey: A Quality-Oriented Sustainability Approach**
A. Erdil, E. Taçgin

RESEARCH AND DEVELOPMENT

- 43 **Analysis of the Fibroin Solution State in Calcium Chloride/Water/Ethanol for Improved Understanding of the Regeneration Process**
H-T. Ngo, T. Bechtold
- 51 **Fish Collagen – Molecular Structure After Thermal Treatment**
M. Paprzycka, B. Scheibe, S. Jurga
- 57 **Dichloromethane-Extract of Propolis (DEP) and DEP/PLA Electrospun Fiber Membranes**
T. Yan, M. Zhang, Y. Shi, Y. Li
- 63 **Modification of Polyurethane Solutions by Means of a Hard Depositor for Fiber Production by the Electrospinning Method**
E.S. Bokova, G.M. Kovalenko, M. Pawłowa, K.S. Bokova, N.V. Evsyukova
- 68 **Study on the Rotor Spinning Technology of Cotton Stalk Bark Fibers/Cotton Fibers**
L. Li, L. Liu, C. Qin
- 71 **Experimental and Numerical Simulation of the Tensile Behaviour of a Biaxial Warp-knitted Composite**
X. Gao, X. Yang, D. Li, Y. Li
- 77 **Analysis of Openwork Knitwear Used for Hernia Mesh Manufacturing**
Z. Draczyński, M. Gajek, Z. Mikołajczyk, Z. Modrzejewska, W. Sujka
- 87 **Fatigue Life Prediction of Knitted Fabrics Made of Cotton Yarns – A Statistical Approach**
R. Drobin, J. Rysiński
- 95 **Embedded Electronic Jacquard Guide Bar: A New Approach to Warp Knitting Using the Machine Jacquard Control System**
W. Ren, S. Lai
- 102 **Starch Film as a Carrier of a Model Drug Substance from the Group of Non-Steroidal Anti-Inflammatory Drugs**
D. Wawro, A. Bodek, K.H. Bodek
- 114 **Surface Properties of Polymeric Composites with Silver Nanoparticles**
M. Ziobka, M. Dziadek
- 120 **Polyurethanes as a Potential Medical-Grade Filament for Use in Fused Deposition Modeling 3D Printers – a Brief Review**
A. Przybytek, I. Gubańska, J. Kucińska-Lipka, H. Janik
- 126 **Mechanical Characterisation of Carbon Fibre-Reinforced Plastics with Defined Defects**
M. Ashir, G. Bardl, L. Hahn, A. Nocke, C. Cherif
- 133 **Directions of the Finishing of Fibres and Textile Development**
Z. Czapliski, E. Matyjas-Zgondek, W. Serweta
- 142 **Information for Authors. Advertising and Subscription Information**

General information: IBWCh – cover II; IBWCh – Laboratory of Biodegradation – p. 15; IBWCh – FTEE – p. 42, 62, 132; The XX Scientific and Technical Conference ‘Geosynthetics and Technical Textiles in Civil Engineering and Environmental Protection’ – p. 50, 113, 141; IBWCh – Laboratory of Microbiology – p. 67; FTEE – p. 70; IBWCh – Laboratory of Metrology – p. 76; IBWCh – Laboratory of Environmental Protection – p. 86; Textile Research Institute – p. 101; University of Bielsko – Biala – p. 125; 8th International Textile Conference of Applied Research on Textile CIRAT 2018 – cover III.