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. Sokolovicz

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. Erdel, E. Taçgın

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. Pawlowa, 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. Sąka

87 Fatigue Life Prediction of Knitted Fabrics Made of Cotton Yarns – A Statistical Approach
   R. Drobina, J. Rysiński

   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. Ziąbka, M. Dziadek

120 Polyurethanes as a Potential Medical-Grade Filament for Use in Fused Deposition Modeling 3D Printers
   – a Brief Review
   A. Przybyśek, 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. Czaplicki, E. Matyjas-Zgondek, W. Serweta

142 Information for Authors. Advertising and Subscription Information