Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

8 Study of Textile Waste Generation and Treatment in Lithuania
   V. Dobislaitė, M. Jucienė, V. Sacevičienė

14 Competitiveness of the Textile Sector of Croatia in Trade with the European Union
   R. Džuba, M. Jablotniska

19 Impact of Implementation of Standardized Quality Management Systems on the Functioning
   of Organizations in the Textile Industry
   D. Zimon, D. Malindržák

RESEARCH AND DEVELOPMENT

25 Evaluation of Diluted Cellulose Solutions for Nanofibre Production Using the Electrospinning Method
   B. Laszkiewicz, P. Kulpiński, A. Stanisławska

31 Obtaining New Biopolymer Materials by Electrospinning
   E.S. Bokova, G.M. Kovalenko, M. Pawłowa

34 Production of Carbon Fibre Bulked Yarns by the Airflow Dispersion Method
   X. Zhao, Y. Liu, G. Liu

41 Modeling the Bending and Recovery Behavior of Woven Fabrics
   F. Shi, Y. Zhao, G. Wu, D. Zheng

46 Fabric Defect Detection Using a Hybrid and Complementary Fractal Feature Vector and FCM-based
   Novelty Detector
   J. Zhou, J. Wang, H. Bu

53 Influence of the Bamboo/Cotton Fibre Blend Proportion on the Thermal Comfort Properties
   of Single Jersey Knitted Fabrics
   K. Kadapalam Chinnasamy, P. Chidambaram

59 Analytical Assessment of the Thermal Decomposition of Cotton-Modacryl Knitted Fabrics
   S.F. Gregac, S. Bischof, T. Puścić, I. Petrinić, T. Lusbacker

68 Influence of a Compression Garment on Average and Local Changes in Unit Pressure

75 Energy Release Studies of Human Feet for Mapping pPCM Quantity in Socks for Thermoregulation
   P. Siddhan, B. Jayakumar

83 Research of Fluorinated Acrylate Copolymer on Flax Fabric
   Z. Sui, K. Yang, J. Chen, X. Zhao, S. Gao

89 Study on the Effects of Perfume on the Mechanical and Colour Properties of Silk Fabrics
   K. Krishnamoorthi, S. Jagannathan

96 Preparation of a Cationic Environment-Friendly Fixing Agent
   Y. Liu, X. Zhao

103 Investigation of the Efficiency of the UV/H2O2 Process on the Removal of Dye Acid Green 16
    from Aqueous Solutions: Process Optimization and Toxicity Assessment
   I. Plonka, B. Pieczykolan, K. Barbusiński, J. Kalka, M. Thomas, P.J. Piskorz

108 Optimization of the Fenton Oxidation of Synthetic Textile Wastewater Using Response Surface Methodology
   M. Thomas, K. Barbusiński, P.J. Piskorz, V. Kožík, A. Bajk

114 Modifying the Shape of Blades of a Flexible Reed in a Vibration Beat-up Mechanism
    – Theoretical Investigation
   M. Kuchar

119 Assemblage of Wool and Silk Textiles from Medieval Waste Layers in Prague, Czech Republic
   H. Březinová, D. Kohout

126 Perspectives and Innovations in the Teaching System at the Faculty of Material Technologies and Textile
    Design, Lodz University of Technology – a Concept of Combining the Education of Artists and Engineers
   K. Kędzia, A. Nawrot, M. Snyderski, A. Wareszka

130 Information for Authors, Advertising and Subscription Information

General information: IBWCh – cover II; ATH – p. 13; IBWCh – FTEE – p. 24; IBWCh – Laboratory of Environmental
Protection – p. 30; IBWCh – Multifilament Chitosan Yarn – p. 33; IW – p. 45; IBWCh – Laboratory of Biodegradation
– p. 52; Biocomposites Conference Cologne – p. 58; IBWCh – FTEE – p. 88; ATH – p. 107; 3rd European Food & Beverage
Plastic Packing Summit – cover III.