Contents

4 Abstracts in Polish

RESEARCH AND DEVELOPMENT

8 Development of an Electrospun Nanofibrous Web with Hyaluronic Acid
R. Milašius, D. Ryklin, N. Yasinskaya, A. Yeutushenka, A. Ragaišiene, Ž. Rukuižiene, D. Mikučioniene

13 Airflow Characteristics during the Rotor Spun Composite Yarn Spinning Process
R. Yang, W. Guo, Y. Xu

18 Investigating the Effect of the Opening Unit on the Airflow Field in Rotor Spinning
Y. Jin, S. Zhu, J. Cui, J. Li, Z. Zhu

25 Preparation of Conductive Polyethylene Terephthalate Yarns by Deposition of Silver & Copper Nanoparticles
S. Ahmad, M. Ashraf, A. Ali, K. Shaker, M. Umair, A. Afzal, Y. Nawab, A. Rasheed

31 Effects of Optimal Mordanting on the Bleaching and Spinning of Black Yak Fibres
Ch. Liu, X. Su, Ch. Xie, X. Liu

37 Surface Characterization of Low Temperature Plasma-Induced Cashmere Fibre by Air Gas
Y. Wang, W. Yu

42 Immunization Effect of Sodium Aluminate on Wool
J. Sirvaityte, K. Beleska, R. Alaburdaitė, I. Komciute, V. Valeška

47 Application of Power Ultrasound to Chemical Dissolution for Quantitative Analysis of Cotton and Polyester Blended Fabrics
Z. Mingxing, M. Zhuo, S. Yize, Y. Zhibiao

54 Modeling of Ozonation of C.I. Reactive Black 5 through a Kinetic Approach
L. Bilinska, R. Žylia, K. Smoliča, M. Gmurek, S. Ledakowicz

61 Studies on the Use of Water Reclaimed from Textile Wastewater in a Closed Circuit
J. Sojka-Ledakowicz, L. Kos, R. Žylia, K. Paździor, S. Ledakowicz

67 Functionalization of Non-woven Viscose with Formulation of Chitosan and Honey for Medical Applications

73 Structural Parameters of Functional Membranes for Integration in Smart Wearable Materials
M. Eldessouki, T. Aysha, M. Ratičáková, J. Šašková, V. T. Padil, M. Ibrahim, M. Černík

79 Analysis of the Effect of Channel Parameters between Filaments and Single Fabric Parameters on Air Permeability, Water Vapour Resistance and Thermal Resistance
M. Polipowski, P. Więcek, B. Więcek, A. Pinar

87 Warp-knitted Fabric Defect Segmentation Based on the Shearlet Transform
Z. Dong, D. Xia, P. Ma, G. Jiang

95 Modeling the Performance of Horizontal Anchor Lines during Fall Arrest
K. Baszczyński

104 Mathematical Modelling of Mechanical Properties of Textiles Subjected to Tension
J. Zającowski

107 Using a 3D Body Scanner in Designing Compression Products Supporting External Treatment
A. Ilša, K. Kowalski, M. Klonowska, W. Kuzniak, P.M. Kowalski, W. Sięka

113 Collaborative 3D-To-2D Tight-Fitting Garment Pattern Design Process for Scoliotic People
Y. Hong, X. Zeng, P. Bruniaux, K. Liu, Y. Chen, X. Zhang

119 Study on the Importance of Employee Performance Assessment and Lost Productive Time Rate Determination in Garment Assembly Lines
M. Kayar, Ö.C. Bulur

127 Language of Dressing as a Communication System and its Functions – Roman Jakobson’s Linguistic Method
T. Todorović, A.P. Čuden, K. Košak, T. Toporiši

136 Information for Authors, Advertising and Subscription Information