Contents

4 Letter from the Editor
   B. Mac

5 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

8 Study of Changes in the Production Process for Short-Life Cycle Goods
   E. Grandys

12 Logistics as a Competitive Strategy Analysis of the Clothing Industry in Terms of Logistics
   S. H. Erysurk, F. Kalaoglu, M. Baskak

RESEARCH AND DEVELOPMENT

18 New Commercial Fibres Called ‘Bamboo Fibres’ – Their Structure and Properties
   B. Lipp-Symonowicz, S. Sztajnowski, D. Wojciechowska

24 Modification of PA 6 Fibres with Bentonite, Cloisite and Concentrates (Copolyamide + Bentonite)
   M. Krštrofič, A. Ujhelyiová, I. Vassová, J. Ryba

30 Model of the Yarn Twist Propagation in Compact Spinning with a Pneumatic Groove

34 Tenacity of Cotton Yarns Joined During the Rewinding Process
   J. Rutkowski

37 Comparison of the Properties of a Cotton Package Made of Vortex (MVS) and Open-End Rotor Yarns
   H. Özdemir, R. T. Öğulat

43 Automated Vision System for Recognising Lycra Spandex Defects
   T.-L. Su, C.-F. Lu

47 Measurements of the Volume and Surface Resistance of Textile Materials
   R. Kacprzyk

50 Study of Electric Fields in Fabric Surroundings
   R. Kacprzyk

55 Modelling of the Temperature Field within Knitted Fur Fabrics
   R. Korycki, A. Więzowska

60 Effect of Accelerated Ageing Conditions on the Degradation Process of Dyneema® Polyethylene Composites
   M. Fejdyś, M. Landwijt, M. H. Struszczyk

66 Fabrication of Bioactive Carbon Nonwovens for Bone Tissue Regeneration
   I. Rajzer, J. Grzybowska-Pietras, J. Janicki

73 Effect of Antimicrobial Air Filter Treatment on Bacterial Survival
   E. Miaśkiewicz-Peska, M. Lebkowska

78 Possibility of the Application of Low Temperature Plasma for the Deposition of a Polypyrrole Insulating Layer to Construct a Textile-Based Organic Field Effect Transistor
   I. Krucińska, W. Urbaniak-Domagala, M. Skoneczna, P. Cosseddu, A. Bonfiglio

84 Oxygen Delignification and Bleaching of Industrial Hemp Pulps
   D. Danielewicz, B. Surma-Ślusarska

89 Biosynthesis of Modified Bacterial Cellulose in a Tubular Form
   T. Hakala, P. Heikkilä

FIBRE AND TEXTILE ART

94 Materials and Techniques Used by Artists – the Participants of the International Triennial of Tapestry in Łódź
   W. Cygan

100 Information for Authors, Advertising and Subscription Information

General information: Institute of Biopolymers and Chemical Fibres: Laboratory of Metrology p. - 11, Laboratory of Environmental Protection p. - 23, Laboratory of Paper Quality p. - 42, Laboratory of Biodegradation p. - 46, University of Bielsko-Biała, Faculty of Materials and Environmental Science p. - 72, 88, Multifilament Chitosan Yarn p. - 83.