

# Contents

## 4 Abstracts in Polish

### GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 8 **Inhibitors of Restructuring Change in Textile and Apparel Enterprises**  
*Z. Patora-Wysocka*
- 13 **Clothing Trade in Poland in the Years 2009-2013 and Prospects for its Growth**  
*E. Grandys, A. Grandys*
- 18 **GIS and f-AHP Integration for Locating a New Textile Manufacturing Facility**  
*I. Onden, F. Eldemir*
- 23 **Stochastic Model to Determine the Elements of the Production Cycle Time: Case of Serbian Textile Industry**  
*S. Stanisavljev, D. Čočkalović, M. Klarin, V. Spasojević Brkić, D. Đorđević*

### RESEARCH AND DEVELOPMENT

- 30 **Yarns and Woven Fabrics Made from Cotton and Cottonised Flax Blends for Upholstery Applications**  
*C. Sava, M. Ichim*
- 35 **Formation and Analysis of Electrospun Nonwoven Mats from Bicomponent PVA/Aqueous Propolis Nano-Microfibres**  
*E. Adomavičiūtė, S. Stanyš, M. Žilnius, V. Briedis*
- 42 **Possibilities of Manufacturing an Electrospun Web with Baltic Amber**  
*R. Milašius, A. Ragaišienė, Ž. Rukuižienė, D. Mikučionienė*
- 48 **Study on the Possibilities to Graft Microencapsulated Essential Oil on Natural Fibres and Terry Fabrics**  
*D. Vankeviciute, S. Petrulyte, D. Petrulis*
- 55 **Novel Green Dyeing Process of Soybean Protein/Poly(vinyl alcohol) Blend Fibre**  
*J. Lv, Q. Zhou, D. Gao, G. Liu, C. Wang,*
- 60 **New Approach for Dyeing and UV Protection Properties of Cotton Fabric Using Natural Dye Extracted from Henna Leaves**  
*K. A. Omera, Z. Tao, A. I. Seedahmed*
- 66 **New Approach to Assessing Fabric Drape Based on the Fractal Dimension**  
*E. Carrera-Gallissà, X. Capdevila, J. Valldeperas, H. Abril*
- 71 **Investigation on Regenerated Cellulosic Knitted Fabric Performance by Using Silicone Softeners with Different Particle Sizes**  
*E. Sarioğlu, N. Çelik*
- 78 **Functional Properties and Electromagnetic Shielding Behaviour of Elastic Warp-knitted Fabrics**  
*Z-C. Yu, H-L. He, Y-H. Lu, J-F. Zhang, C-W. Lou, A-P. Chen, J-H. Lin*
- 84 **Morphology and Electromagnetic Shielding Effectiveness of PP Nonwovens Modified with Metallic Layers**  
*J. Koprowska, E. Dobruchowska, K. Reszka, A. Szwugier*
- 92 **Influence of Fiber Arrangement on the Buckling Load of Composite Plates**  
*P. Czapski, T. Kubiak*
- 99 **New Technological Concept of Textile Highly-Flexible Road Barriers**  
*Z. Mikołajczyk, M. Perzyna, B. Szalek, K. Piekłak*
- 107 **Modelling the Viability of Microorganisms of Poly(lactic Acid) Melt-Blown Nonwoven Fabrics for the Use of Respiratory Protection**  
*K. Majchrzycka, A. Brochocka, P. Grzybowski*
- 114 **Comparing the Effects of Automat Use on Assembly Line Performance in the Apparel Industry by Using a Simulation Method**  
*M. Kayar, M. Akalin*
- 124 **Modified Cellulosic Products for Application in Hygiene and Dressing Materials - Part II**  
*K. Brzoza-Malczewska, M. Kucharska, M. Wiśniewska-Wrona, D. Kaźmierczak, J. Józwicka, B. Pałys*
- 129 **Properties of Bleached Pulp from Low and High Kappa Number Old Corrugated Containers (OCC)**  
*D. Danielewicz, B. Surma-Slusarska*
- 140 **Information for Authors. Advertising and Subscription Information**

**General information:** 4<sup>th</sup> EPNOE International Polysaccharide Conference - cover II, XIX Conference on the Science and Technology of Geosynthetics - p. 17, IBWCh - Laboratory of Biodegradation p. 29, IBWCh - Laboratory of Environmental Protection p. 46, IBWCh p. 47, Textile Research Institute - Scientific Department p. 59, IBWCh - Laboratory of Metrology p. 65 & 98, XXI-th Chitin Seminar p. 70, University of Bielsko-Biala p. 91, IBWCh - Team of Synthetic Fibres p. 105, 11<sup>th</sup> Joint International Conference CLOTECH'2015 p. 106, IBWCh - Laboratory of Paper Quality p. 128, 4<sup>th</sup> EPNOE International Polysaccharide Conference p. 136 - 138, Asia Apparel Expo Berlin 2016 p. 139, The 90<sup>th</sup> Textile Institute World Conference - cover III.