

Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 9 **A Mathematical Model of Fancy Yarns' Strength. The First Model Developed in the World**
K.E. Grabowska
- 15 **Influence of the Thermal Stabilization Process on the Quality Parameters of Cotton-Type Yarns**
D. Cyniak, J. Czekalski, T. Jackowski
- 20 **Prediction of Properties of Unknotted Spliced Ends of Yarns Using Multiple Regression and Artificial Neural Networks. Part II: Verification of Regression Models**
S. Lewandowski, R. Drobina
- 28 **Investigation of Linen Honeycomb Weave Fabric Shrinkage After Laundering in Pure Water**
R. E. Malčiauskienė, Ž. Rukuižienė, R. Mīlašius
- 32 **Analysis of Motor Vehicle Fabrics**
S. Kovačević, D. Ujević, I. Schwarz, B. Brlobašić Šajatović, S. Brnada
- 39 **Comfortability of the Bulletproof Vest: Quantitative Analysis by Heart Rate Variability**
K.C. Lee, H.C. Tai, H.C. Chen
- 44 **Model of the Compressing Process of a One- and Two-Side Fastened Connector of a 3D Distance Knitted Fabric**
B. Supel, Z. Mikołajczyk
- 49 **Numerical Modelling of Geometrical Parameters of Textile Composites**
P. Szablewski
- 53 **Influence of Technological Loads on the Dynamic of the Driving System of an Overedge Sewing Machine**
R. Przytułski
- 57 **The Transition Phase in Polyethylenes – WAXS and Raman Investigations**
S. Rabiej, W. Biniś, D. Biniś
- 63 **Linear Relations Among Small-Angle Scattering Intensities**
S. Ciccariello
- 69 **X-Ray Reflectivity Investigations of Fluorinated Amphiphilic Triblock Copolymers on Surfaces**
K. Busse, J. Kressler
- 73 **Flow-induced Crystallization of PB-1: Characterizing the Onset of Shish-kebab Formation**
J. Baert, F. Langouche, P. Van Puyvelde
- 77 **The Effect of HAP Modification on the Structure and Thermal Properties of Segmented Terpoly(ester-ether-ester)s (TEEEs)**
P. Zdebiak, A. Kozłowska, M. El Fray
- 81 **X-ray Investigations of the Biodegradation Capacity of PBSA in LDPE/PBSA Blends**
K. Sobocińska, J. Garbarczyk
- 85 **Morphology Evaluation of Biodegradable Copolyesters Based on Dimerized Fatty Acid Studied by DSC, SAXS and WAXS**
A. Kozłowska, D. Gromadzki, M. El Fray, P. Štěpánek
- 89 **Structural Properties of Organometallic Thin Films Oriented by Corona Poling**
M. Śniechowski, J. Nizioł, W. Łuźny
- 93 **The Influence of Processing Parameters on the Supermolecular Structure of Isotactic Polypropylene in PP/LDPE Blends**
S. Borysiak
- 97 **Waxes Studies of Salix viminalis Wood Susceptibility to Alkali Treatment**
B. Doczekalska, S. Borysiak
- 101 **Research into the Mercerization Process of Beech Wood Using the Waxes Method**
S. Borysiak, B. Doczekalska
- 104 **Soft Matter Physics and its Creator – Pierre-Gilles De Gennes (1932–2007) in Memoriam**
W. Łuźny
- 106 **Forming Conditions and Mechanical Properties of Potato Starch Films**
D. Wawro, J. Kazimierzczak
- 113 **Fibrous Keratin-Containing Composite**
K. Wrześniewska-Tosik, M. Kucharska, D. Wawro
- 117 **Investigation into Biological, Composite Surgical Meshes**
A. Niekraszewicz, M. Kucharska, M. H. Struszczyk, A. Rogaczewska, K. Struszczyk
- 122 **Bioindicators for the Assessment of Microbiological Purity in Some Alimentary Products**
D. Ciechańska, T. Antczak, D. Wawro, J. Kazimierzczak, G. Krzyżanowska, J. Wietecha, E. Grzesiak, L. Wyrębska
- 127 **Properties of Composites of Unbeaten Birch and Pine Sulphate Pulps with Bacterial Cellulose**
B. Surma-Ślusarska, D. Danielewicz, S. Presler