## Contents

### Abstracts in Polish

### GENERAL PROBLEMS IN THE FIBRE AND TEXTILE INDUSTRIES

8 Strategic attitudes in the global textiles market: the case of a South European cluster  
J. Llach, P. Marquès, J. Valls

14 Applying Intelligent Systems as a Basis for Improving the Position and Competitiveness of the European Textile Industry  
I. Karabegová, D. Ujević

### RESEARCH AND DEVELOPMENT

18 Prediction of Strength and Elongation Properties of Cotton/Polyester-Blended OE Rotor Yarns  
P. Duru Baykal, O. Babaarslan, R. Erol

22 Preparation of Enzymatically Modified Flax Fibre for Producing Rotor-Spun Yarn for Apparel  
N. Sedelnik, S. Zaręba, J. Szporek

27 A New Method of Measuring Twist of Yarn  
Z. Czaplicki

30 New Approach to Modelling the Stress-Strain Curve of Linear Textile Products  
Part 1 – Theoretical Considerations  
A. Serwatka, P. Bruniaux, I. Frydrych

36 Inequality of Woven Fabric Elongation in Width and Change of Warp Inequality under Axial and Bi-axial Tensions  
Ž. Rukuižienė, R. Milašius

39 An Experimental Approach on the Performance of Towels – Part I. Bending Resistance or Softness Analysis  
E. Koç, B. Zervent

47 Optimising Knitting Process Conditions on the Basis of Controlled Robbing-Back of Yarn  
M. Klonowska, K. Kowalski

52 Evaluating Thermal Insulation Properties of Garment Packet Air Interlayer  
J. Nadzeikienė, R. Milašius, J. Eičinas, P. Kerpauskas

57 Liquid Sorption by Nonwovens Containing Superabsorbent Fibers  
G. Bartkowiak

62 The Comparison of The Manual and CAD Systems for Pattern Making, Grading and Marker Making Processes  
Z. Ondogan, M. C. Erdogan

68 Possibilities for Modelling Control Conditions of the Thread by Disc Take-up in the Lockstitch Formation Zone  
R. Krasowska, I. Frydrych, M. Rybicki

73 Assumptions for Constructing an Auto-Leveller with a New Algorithm of Operation  
M. Idzik

76 Pneumatic Loom for Leno Weaves with Rotary Mechanism Forming the Shed and Beat-up of the Weft  
K. Kopias, Z. Kossowski

79 Kinematic Analysis of the Sewing Mechanisms of an Overedge Machine  
R. Przytulski, J. Zajączkowski

83 The Model and Analysis of the Doffing Comb Device Vibrations in Carding Machines  
P. Danielczyk, J. Stadnicki

88 Antibacterial Finishing of Cotton Fabrics  
R. Jantas, K. Górna

92 Enzymatic Treatment of Fibres from Regenerated Cellulose  
D. Ciechańska, J. Kazimierczak

### CONFERENCES, FAIRS AND OTHER EVENTS

96 Future Events

102 Recent Achievements in Fibre and Polymer Physics  
Scientific seminar in honour of Professor Andrzej Włochowicz on the occasion of his 75th birthday

104 Professor Włodzimierz Więźlak Celebrates his 80th Birthday and the 55th Anniversary of his Professional Activity

106 Information for Authors, Advertising and Subscription Information.