

Contents

4 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 7 **Status of Textile and Clothing Imports and Exports in Turkey**
F. Sekerden
- 10 **Prediction of Turkey's Denim Trousers Export Using Artificial Neural Networks and the Autoregressive Integrated Moving Average Model**
A. Ozbek, M. Akalin, V. Topuz, B. Sennaroglu

RESEARCH AND DEVELOPMENT

- 17 **Mechanical Properties of Ring-spun Yarn and Its Strength Prediction Model**
H.-W. Zhang, X.-F. Guo, Y.-L. Li
- 21 **Optimizing Spinning Variables to Reduce the Hairiness of Rotor Yarns Produced from Waste Fibers Collected from the Ginning Process**
H. Hasani, S. A. Tabatabaei
- 26 **Investigation on the Unevenness, Tenacity and Elongation Properties of Bamboo/Cotton Blended Yarns**
F. Sekerden
- 30 **Modelling of the Parameters of Air-Flow in Pneumatic Nozzles for Linking Staple and Filament Yarns. Part I: Determining of the Volume Flow and Local Speeds of Air-Flow**
H. Dopierala, C. Radom, P. Swaczyna, L. Zawadzki
- 37 **Neural Network Classification of the Unknotted Joints of Yarn Ends**
S. Lewandowski
- 44 **Effect of Raw Material on the Geometrical Properties of Fabrics**
A. Adomaitienė, L. Lazarevičiūtė, E. Kumpikaitė
- 48 **Modelling of a Tachogram of Machine Sewing Process**
M. Rybicki
- 55 **Surface Roughness Measurement of Weft Knitted Fabrics Using Image Processing**
D. Semnani, H. Hasani, S. Behtaj, E. Ghorbani
- 60 **Static Water Absorption of Knits from Natural and Textured Yarns**
J. Abramavičiūtė, D. Mikučionienė, R. Čiukas
- 64 **Investigation of the Thermal Properties of Socks Knitted from Yarns with Peculiar Properties. Part II: Thermal Resistance of Socks Knitted from Natural and Stretch Yarns**
R. Čiukas, J. Abramavičiūtė, P. Kerpauskas
- 69 **Investigation on the Air and Water Vapour Permeability of Double-Layered Weft Knitted Fabrics**
A. Bivainytė, D. Mikučionienė
- 74 **Using Ultraviolet Radiation for the Bleaching and Pilling Reduction of Knitted Cotton Fabric**
A. H. Mansuri, A. Khoddami, A. Rezaei Do
- 78 **Investigation of the Water Vapour Transfer Properties of Textile Laminates for Footwear Linings**
A. Gulbinienė, V. Jankauskaitė, A. Kondratas
- 82 **Study on the Modification of PP Non-woven Fabric**
K.-S. Huang, H.-S. Lian, J.-B. Chen
- 88 **Research on the Enzymatic Treatment of Wool Fibres and Changes in Selected Properties of Wool**
A. Kotlińska, B. Lipp-Symonowicz
- 94 **Dyeing, Fastness, and UV Protection Properties of Silk and Wool Fabrics Dyed with Eucalyptus Leaf Extract by the Exhaustion Process**
R. Mongkholrattanasit, J. Kryštůfek, J. Wiener, M. Viková
- 100 **Sensory Study of Knitted Fabrics that Have Gone Through Washing Cycles with Domestic Softener. Part I: Establishment of a Panel and Assessment Thereof**
G. Agarwal, L. Koehl, A. Perwuelz
- 106 **Chitosan Coatings to Seal Cardiovascular Prostheses**
A. Niekraszewicz, M. Kucharska, I. Kardas, M. Wiśniewska-Wrona, R. Kustos, A. Jarosz
- 112 **Information for Authors. Advertising and Subscription Information**