

Contents

6 Abstracts in Polish

GENERAL PROBLEMS OF THE FIBRE AND TEXTILE INDUSTRIES

- 8 Relationship between the Voluntary Instrument of CSR in the Textile Industry in the Czech Republic and Financial Performance
J. Krause

- 13 Linear Programming for Aggregate Production Planning in a Textile Company
E.A. Campo, J.A. Cano, R.A. Gómez-Montoya

RESEARCH AND DEVELOPMENT

- 20 Extraction of Dyes from *Petrocarpus santalinus* and Dyeing of Natural Fibres Using Different Mordants
R. Mariselvam, G. Athinarayanan, A.J.A. Ranjitsingh, A. Usha Raja Nanthini, R. Krishnamoorthy, A.A. Alshatwi

- 24 Influence of Rib Structure and Elastic Yarn Type Variations on Textile Piezoresistive Strain Sensor Characteristics
R.K. Raji, X. Miao, S. Zhang, Y. Li, A. Wan

- 32 Mathematical Modelling of Dynamic Yarn Path Considering the Balloon Control Ring and Yarn Elasticity in the Ring Spinning Process Based on the Superconducting Bearing Twisting Element
M. Hossain, C. Telke, A. Abdkader, M. Sparing, T. Espenahn, R. Hühne, Ch. Cherif, M. Beitelsschmidt

- 41 Effect of Blending Methodologies on Cotton Mélange Yarn Quality
S. Ray, A. Ghosh, D. Banerjee

- 47 Influence of Knitting Process Parameters on the Thermal Comfort Properties of Eri Silk Knitted Fabrics
B. Senthil Kumar, T. Ramachandran

- 54 Seersucker Woven Fabrics with Therapeutic Properties
M. Matusiak, E. Wilk, J. Zieliński

- 59 Development of Coating for Incorporation of Beneficial Spores on Hospital Textiles
A. Dural-Erem, V. Nierstrasz

- 63 Application of Environment-Friendly Processes Aimed at Bonding β -Cyclodextrine onto Cellulosic Materials
S. Flinčec Grgac, R. Malinar

- 70 Influence of Screen Printed Layers on the Thermal Conductivity of Textile Fabrics
I. Kazani, G. de Mey, C. Hertleer, L. van Langenhove, G. Guxho

- 75 Proposal for the Selection of Materials for Footwear to Improve Thermal Insulation Properties Based on Laboratory Research
W. Serweta, M. Matusiak, Z. Olejniczak, J. Jagielo, J. Wójcik

- 81 Qualitative Evaluation of the Possible Application of Collagen Fibres: Composite Materials with Mineral Fillers as Insoles for Healthy Footwear
K. Ławińska, W. Serweta, R. Modrzewski

- 87 Applications of Bamboo Textiles in Individualised Children's Footwear
K. Ławińska, W. Serweta, D. Gendaszewska

- 93 Effect of Selected Injection Conditions on the Mechanical Properties and Structure of HDPE
K. Mordal, K. Dobrakowski, D. Kwiatkowski

- 99 Modelling of Textile Composite Adapted for Roof Structure
E. Radaszewska, A. Benda, R. Korycki

- 104 Information for Authors. Advertising and Subscription Information

General information: 8th International Textile Conference of Applied Research on Textile CIRAT 2018 – cover II; IBWCh – FTEE – p. 31; Inter Nano Poland 2018 – p. 40; IBWCh – Laboratory of Microbiology – p. 46; IBWCh – Laboratory of Environmental Protection – p. 53; Innovate Textile & Apparel (ITA) 2018 – p. 69; Autex 2019 – p. 74; VitaTex 2018 – p. 80; IBWCh – p. 86; IBWCh – Laboratory of Biodegradation – p. 92; IBWCh – cover III.