terials. PhD Thesis, Technical University of Dresden, Dresden, Germany, 2007.
2. Unal P G. 3D Woven Fabrics, chapter 4 in: *Woven Fabrics* edited by Han-Yong Jeon, InTech, pp. 91-120. ISBN 978-953-51-0607-4.
3. Matusiak M, Frącczak Ł. Investigation of Waviness of 3D Woven Fabrics, chapter in: *Innovations in Clothing Design, Materials, Technology and Measurement Methods*. edited by Frydrych I, Bartkowiak G, Pawłowa M. Lodz University of Technology 2015, pp. 166- 182. ISBN 978-83-7283-666-3.
4. Matusiak M, Sikorski K, Wilk E. Innovative woven fabrics for therapeutic clothing, chapter in: *Innovations in Textile Materials & Protective Clothing*. edited by Bartkowiak G, Frydrych I, Pawłowa M, CIOP-PIB Warsaw, 2012, pp. 89-106.
5. Militky J. Woven Fabrics Surface Quantification, chapter 5 in: *Woven Fabrics* edited by Han-Yong Jeon, InTech, pp. 121-154. ISBN 978-953-51-0607-4.
6. Semnani D, Hasani H, Behtaj S, Ghorbani E. Surface Roughness Measurement of Weft Knitted Fabrics Using Image Processing. *FIBRES & TEXTILES in Eastern Europe* 2011, 19, 3(86): 55-59.
7. Park KH, Kwon YH, Oh KW. The Surface Roughness Measurement for Textiles Fabrics by a Non-Contact Method for Tactile Perception. *6th Asian Design International Conference*, 2003.
8. De Boss A. Concepts and understanding of fabric hand, chapter in: *Effect of mechanical and physical properties on fabric hand*, edited by Behery HM, Woodhead Publishing in Textiles, Woodhead Publishing Ltd. 2005, pp. 1-44.
9. Militký J, Mazal M. Image analysis method of surface roughness evaluation. *International Journal of Clothing Science and Technology* 2007; 19: 186-193.
10. Militky J, Bajzik V. Surface Roughness and Fractal Dimension. *Journal of Textile Institute* 2002; 92, 1-24.
11. Mohri M, Hosseini Ravandi S A, Youssefi M. Objective evaluation of wrinkled fabric using radon transform. *Journal of Textile Institute* 2005; 96, 6: 365-370.
12. Modrak J. Evaluation of Change in Structure of Nanofibre Membrane Surface During Washing Cycles. Degree Thesis, Technical University of Liberec, 2012.
13. Calvimontes A, Badrul Hasan MM, Dutschk V. Effects of Topographic Structure on Wettability of Woven Fabrics, chapter in: *Woven Fabric Engineering*, edited by Dobnik Dubrovski P. ISBN 978-953-307-194-7, *Publisher: Sciyo*, 18, 2010, pp. 71-92.
14. International Standard ISO 4287:1997. Geometrical Product Specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters.
15. Matusiak M, Frączak Ł, Influence of kind of weft yarn on properties of the seersucker woven fabrics, *Autex Research Journal*, 2016, vol. 16. No. 4, pp.

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