PRODUCTION OF WOOL FABRICS WITH ENHANCED FUNCTIONAL PROPERTIES BY USING A NANOFABRICATION METHOD

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Abstract: Wool fibers remain its importance in the textile industry because of both physical, chemical and environmentally friendly properties than synthetic fibers. Increased expectations of textile products and the use of new synthetic fibers, production with wool fibers began to decline in recent years. Via of this project, by adding new functional features application areas of the wool fabrics intended to extend. For this aim, with using nano-coating method, functional features will be gained to wool fabrics.

Keywords: wool fabric, layer-by-layer deposition, functional properties.