

NEW POSSIBILITIES FOR DESIGNING TEXTILES PRODUCTS IN ORDER TO IMPROVE THE SENSE OF PERCEPTION FOR PERSONS WITH SIGHT DEFICIENCIES

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Introduction. The World Health Organization reveals the existence of about 285 million people with impaired sight and about 39 millions of persons who do not see anything [1]. On these terms, it is important to find and use different solutions which can improve the quality of life and also increase their hope of leading a normal one.

The objective of the study. This paper proposes a different aesthetic solution for designing textiles, garments, and other products for this category of wearers (persons with impaired sight or who do not see anything).

Materials and research methods. For this research, there were analyzed different types of textiles made from flax and cotton, with smooth surfaces or not (thematic capsules were incorporated or the surfaces have a different shape of prominences printed with 3D printers), decorated with aromatic ink that gives off scents of fruits, wood, mint, flowers or lakes.

Results and interpretations. The outcome of this research is the use of some special inks with aromatic capsules for different thematic topics reproduced on textile surfaces, correlated with the design process of different embossed elements.

Conclusions. The incorporation of some aromatic substances in the inks used for printing different elements on the surfaces of the textiles helps the persons with impaired sight or who do not see anything make a quick and exact identification of different compositional elements, while also ensuring intensive emotions, providing them with pleasant experiences, and improving the quality of their lives.

Keywords: *aromatic capsules, compositional structuring, users with deficiencies sight, special inks.*

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