

Artificial DNA markers on textile materials - the possibility of evidence led manufacturing chain and possible uses in the context of textile recycling

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Having a green image is becoming an increasingly important factor for the textile industry. In this paper, the problem of greenwashing is taken up and ways to a practicable approach to deal with this issue are shown. Furthermore, this paper gives an overview of current research areas in the context of textile recycling and, in the course of this, sets an outlook on future modes of action of the presented project called Haelixa. The cross-linking of DNA and textile materials can achieve a significant added value within the textile industry. The evaluation of an interview with experts provides sound basic knowledge about this technology and the potential efficiencies that have not yet been sufficiently researched externally and is therefore classified as under researched.