The future of synthetic fibres

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Abstract

With more focus being made on sustainability and circular economy, these concepts must be applied to any industry, especially textiles in general. To achieve specific goals, such as reducing carbon footprint and increasing carbon handprint, several options are now available. In this presentation, two simple options will be presented and discussed in details for the production of synthetic fibres. The first possibility is to use biobased polymers from renewable resources, while the second one is based on recycled materials highly available from different origin. For each option, specific cases will be presented to achieve more environmentally friendly products, reduce the amount of waste, and even generate added-value to create new products and markets.

Keywords: Sustainable Synthetic Fibres, Biobased Polymers, Recycled Materials

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