

Special Issue

Sustainable Textiles and Garments in the Context of a Circular Economy: Extended Use, Material Circulation and New Business Understanding

Message from the Guest Editors

Lately, the pressure to change industrial practices in the fashion and textile industry toward more sustainable ones has been a burning issue not only in academic investigations but also in public discourse. To slow the material throughput in the system and to lower the environmental impacts of fashion and textiles, we must construct a new system level understanding and create a shift from linear (take, make, dispose) to circular thinking through the following approaches: narrowing (efficiency), closing (recycling), and slowing (reusing) (Bocken et al. 2018). Sustainable transformation needs fundamental changes at all levels in the fashion and textile system: deceleration of manufacturing and consumption, new business models, new design strategies, extended producer responsibility, and reverse logistics (Niinimäki et al. 2020). Therefore, new knowledge is needed at all levels in the fashion/textile system from materials, design and manufacturing practices, garments' lifetimes, new business models, and conscious consumer behavior. This Special Issue will focus on sustainable textile and fashion in the context of a circular economy.

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