

SUSTAINABILITY IN THE TEXTILE SUPPLY CHAIN: ENGINEERING DRIVEN TRANSITIONS TO MORE SUSTAINABLE FIBERS, FABRICS AND CHEMICAL TREATMENTS

SPECIAL COLLECTION: CALL FOR PAPERS



Guest Editors

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Sustainability in the textile industry has increased in relevance and demand for consumers. Sustainability is an important criterion and may represent a competitive advantage for manufacturers in the textile industry. In order to change the increasingly global textile industry to sustainable guidelines, it is necessary to understand the complete textile chain from fiber to the recycling process. This requires knowledge to enable full cost accounting of not only the purchase price, but also the ecological footprint. Solutions and approaches for new political or self-regulating business strategies, as well as new textile technologies regarding important questions of sustainability, shall be addressed by numerous experts from different levels of textile production.

The articles will show that sustainable textile production is possible and in many cases already implemented by pioneers. Sustainable textile production is not always more expensive and does not result in worse product properties - the opposite is often the case. Sustainable textile production is possible and, due to the finite nature of resources, will be decisive for the next company founders and change leaders in the second oldest industry in the world.

Potential topics include, but are not limited to, the following:

- Textile Resources: Fiber production, usage, consumption; Recycling sources processes, ecological footprint
- Fabric Production: New manufacturing methods, waste optimization, implementation of recycling or circular processes
- Textile Chemistry: Sustainable “wet processes” in textile production like finishing and garment washing.
- Supply Chain: Transparency for supply chain
- Politics: Advances in political regulations, public driven business regulation systems

Manuscript Submission

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Submissions Deadline: 31st March 2018

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