



Textile Biomaterials and Technology

Guest Editor:

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Message from the Guest Editor

Climatic change caused by greenhouse gas (GHG) emissions has created the necessity for responsible development of new materials that have no strain on the environment. The textile industry is one of the biggest economy sectors in terms of waste production. Transformation from non-degradable and non-recyclable materials to biomaterials is a key challenge for textile researchers and scientists.

As such, this Special Issue is focused on the exploration of new features of natural fibers, their interdependence and methods of evaluation. Novel textile biomaterials, including fibers based on organic waste use, are welcome.

The issue will cover scientific considerations and research on new developments in the field of textile technologies dedicated to biomaterials, ensuring low GHG emission, closed water use systems, wasteless processes, and replacing of chemicals with bio-based agents, particularly in finishing processes. An important topic for this Special Issue is the design of textiles made of biomaterials with consideration paid to their capacity to be recycled.





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Message from the Editor-in-Chief

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