Special Issue

Textile Biomaterials and Technology

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.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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