

Special Issue

Green Textile Materials: Fibers, Processing and Applications

Message from the Guest Editors

This Special Issue is focused on the exploration of new features of natural fibers and novel textile biomaterials produced from primary and secondary biomass for advanced applications. The scope of this Issue includes the development of new technological processes and the transition of conventional technologies into innovative bio-based ones, for example, finishing with the use of natural substrates like natural dyestuffs or functional herbal extracts which are friendly for humans and the environment. This Special Issue also covers research on bio-composites developed with the use of natural fibers, nanocellulose and bio-based polymer matrices to ensure the high diversification of composite use with the potential to replace synthetic plastics with biodegradable or recyclable ones. We welcome the submission of articles describing new waste management processes and the effective recycling of textile materials including bio-based nonwoven and composites in order to reach the zero-waste goal.

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About the Journal

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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