Special Issue

Mechanical Properties and Recycling of Biopolymer Composites

Message from the Guest Editor

In this Special Issue, we will collect manuscripts that deepen our knowledge about polymer biocomposites, their mechanical properties, and the possible methods of reducing their negative impact on the environment (recycling). Works that expand the subject of bio-based and biodegradable polymer composites reinforced with natural fibers with high mechanical properties are very welcome. The development and research of new natural fiber modifications to enhance matrix–filler interactions are particularly encouraged. Moreover, in-depth description and analysis of the existing recycling methods and mechanisms as well as new efficient methods of utilizing polymer composites waste are welcome. In this Special Issue, new application trends in the field of biodegradable and renewable polymers will be analyzed in terms of the production of new composites and the study of their physicomechanical properties and recycling options. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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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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