Special Issue

Mechanical Properties of Biocomposites

Message from the Guest Editors

Biocomposites contain bio□based materials such as natural fibers or biopolymers. In recent times, these materials have attracted significant interest due to their advantages compared to other materials such as GRP or CFRP composites, including their minor environmental impact, better recyclability and lower cost. The growing environmental consciousness has driven efforts to increase the mechanical performance of these new materials to extend their capabilities and applications. This Special Issue aims to provide an overview of the recent advances in the mechanical performance of biocomposites. We welcome submissions related to the mechanical characterization of bio-based resins and natural fibers, fracture mechanics and fatigue behavior, testing and characterization methods, durability, and analytical and modeling studies of biocomposites. We also welcome review articles that describe the latest knowledge in the aforementioned fields. **Keywords**

- biocomposites
- bio-based polymers
- natural fibers
- nanofibers
- mechanical characterization
- fracture
- fatigue
- durability

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Deadline for manuscript submissions

closed (31 October 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/35785

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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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