

Special Issue

Design, Performance and Applications of Biocomposites

Message from the Guest Editors

In recent years, substantial progress has been made in the design and engineering of biocomposites, including improvements in fiber–matrix interfacial bonding, the development of high-performance bio-based polymers, and the use of hybrid and nano-reinforced composite systems. Advances in material processing technologies and characterization methods have further enabled the optimization of the mechanical, thermal, and durability properties of materials.

This Special Issue aims to present recent developments in the design, characterization, performance evaluation, and applications of biocomposites. We invite contributions that explore innovative material solutions, advanced processing techniques, and emerging applications of sustainable composite materials.

Topics include, but are not limited to, the following: biocomposite design; natural fiber–reinforced polymers; biocomposites with waste; bio-based and biodegradable polymers; fiber surface modification; composite processing technologies; mechanical and thermal performance; durability and environmental resistance.

Guest Editors

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Message from the Editorial Board

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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