



Sustainable Biocomposites, Volume II

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Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

The global economy is shifting towards a bioeconomy, and there is continuous pressure to substitute petroleum-based materials with sustainable and renewable biomaterials, including biocomposites. Biocomposites are of increasing interest as a renewable, environmentally friendly alternative to non-renewable materials. They contribute to reaching environmental targets (reduction of greenhouse gas emissions (GHG) and the carbon footprint and attenuation of the impact of climate change). Thus, they contribute to building a foundation of sustainability and bioeconomy worldwide. The special issue aims to address the challenges and opportunities of the valorization of biomass for the production of biomass for biocomposites from the extraction of natural polymers, biopolymers, and biocomposites from macro to nanoscales.

The potential topics of interest include but are not limited to the following:

- Processing of biocomposites and nano-biocomposites;
- Mixtures rheology and processing;
- Advanced characterization of biocomposites;
- Matrix-fiber adhesion and interactions;
- Properties, structure, and rupture mechanisms;
- Properties modeling and optimization; etc.

