



Sustainability of Polymeric Blends and Biocomposites

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Deadline for manuscript submissions:

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Message from the Guest Editors

Biocomposites are obtained by blending natural fibers with bio-based and/or biodegradable polymers offering an additional wide variety of advantages. Generally, they present poor mechanical properties, restricted processing conditions and limited end-use applications. In order to overcome these drawbacks, blending with other polymers as well as reinforcement with fillers or nanofillers has been widely investigated and utilized.

This Special Issue is focused to bring together a number of original papers and reviews covering (but not restricted to) all the aspects related to the preparation and processing biopolymer-based composites to replacing fossil-based materials with biobased counterparts with suitable properties, using physical and chemical treatments such as compatibilization, functionalization and coating. Topic of primary interest include the characterization of biocomposites in terms of mechanical, thermal, electrical, optical, chemical, magnetic properties and their application in different fields (Biomedical, Packaging, Food Industry, Agriculture, Electronical, etc.) as well as biodegradability and sustainability evaluated by Life Cycle Assessment studies.





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Message from the Editor-in-Chief

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