



Synthesis and Characterization of Bio-Based Polymers

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Dear Colleagues,

It is well known both in the academic as well as the industrial field that polymers, widely known as plastics, are essential to ensure the safety and quality of goods. Polymers are the most important class of materials extensively studied and used for several applications due to their unique properties, such as their light weight, malleability, mechanical strength, gas barrier behavior, ease of process, versatility, and so on. The requirement of new technologies integrated with environmental sustainability has become even more pressing and, between different possibilities, the development of bio-based polymers is one of the fields receiving the most attention. The use of sustainable resources instead of fossil-based resources is seen as one interesting possibility.

The aim of this Special Issue is to give an overview of ongoing scientific and industrial research of recent technological breakthroughs in the field of synthesis, characterization, and application of bio-based polymers.

Research as well as review articles are welcome.

Prof. Valentina Siracusa

Guest Editor





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