Special Issue

Biopolymer Modifications and Characterization

Message from the Guest Editor

According to the data in the literature, the consumption of plastic-like polymers is exceeding an annual quantity of about 300 tons. Plastic-like polymers are employed in all fields and as special materials in biomedicine, membrane separation and the packaging industry, thanks to their low market cost and appropriate chemical–physical, mechanical and gas selectivity characteristics. In spite of these advantages, their industrial manufacturing is based on non-renewable fossil resources that are progressively depleting and, after their lifetime, they are accumulated as non-biodegradable wastes. Considering the environmental concerns, a switch towards renewable material resources should be taken into consideration to promote sustainable development. One possible solution is a stronger implementation of the use of eco-friendly polymer formulations, based on biopolymers. Biopolymers can offer attractive alternatives as long as their synthesis and characterization can be easily tailored for technological applications.

Guest Editor

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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