



Advanced Preparation and Application of Cellulose

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Message from the Guest Editors

Today's world is witnessing a growing concern for the environment as a result of global warming, energy crises, and waste generation. The growing demand for products with a low environmental impact has led to a greater focus on sustainable and renewable materials by the scientific community. In this scenario, cellulose is one of the most prominent candidates for use in different fields of applications in a sustainable manner, with regard to its abundant availability from various resources. In particular, nanocellulose presents outstanding characteristics, such as renewability, a high aspect ratio, good mechanical properties, excellent biocompatibility, hydrogen-bonding capacity, reinforcing potential, and degradability.

The scope of this Special Issue is to report recent achievements in the advanced preparation and emerging applications of cellulose-based materials. In particular, topics of interest include, but are not limited to, the following:

- Healthcare;
- Water purification;
- Energy storage;
- Filtration;
- Environment;
- Automotive;
- Aerospace;
- Defence;
- Sensors;
- Adhesives;
- Packaging;
- Food;



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Message from the Editor-in-Chief

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 4.7.

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