Special Issue

Lignin-Based Functional Materials

Message from the Guest Editor

As the demand for sustainable and green manufacturing continues to grow in the functional materials sector, manufacturers are exploring renewable, biocompatible, and biodegradable resources as an alternative to petrochemical resources for the preparation of advanced materials. Lignin is a type of important and sustainable plant biomass resource, which possesses many remarkable features such as ultraviolet-shielding properties, photothermal conversion capability, antioxidant properties, and fluorescence performance. Recent advancements have demonstrated the promising potential of lignin-based functional materials in the energy, optical, biological, architecture, and cosmetics fields. This Special Issue focuses on the novel achievements in the fundamental science, manufacturing technology, structural design and regulation, characterization, and application of lignin-based functional materials. Research studies in which sufficiently significant scientific innovations about lignin-based materials are involved are encouraged to submit their work, in the form of a review, research article, or communication, for publication in this Special Issue of *Polymers*.

Guest Editor

Dr. Jingyu Wang

Key Laboratory of Green Chemistry and Technology, Ministry of Education, College of Chemistry, Sichuan University, Chengdu 610064, China

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

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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.

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

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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