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Nanocellulose Based Functional Materials

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Message from the Guest Editors

Nanocellulose is the most abundant natural polymer material on Earth. Due to its environmentally-friendly nature, the study of nanocellulose and nanocellulose-based functional materials has increased exponentially in that last few decades. Furthermore, the biocompatibility, renewability, piezoelectricity, high specific strength and modulus, dielectric characteristic, low thermal expansion, and optical transparency make nanocellulose beneficial for not only structural applications but also flexible displays, optical devices, sensors, actuators, and flexible electronics. Therefore, nanocellulose-based functional materials can be a building block of future materials in the post-carbon era.

This Special Issue will focus on the development of nanocellulose-based functional materials and their potential applications, including but not limited to the following areas:

- High-strength nanocomposites;
- Sensors and actuators;
- Optical applications;
- Electromechanical behavior;
- Energy storage applications;
- Energy harvesting applications;
- Smart functional materials.

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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 5.0.

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.

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