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Functional Cellulose-Based Materials: Synthesis and Application

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Message from the Guest Editors

Dear Colleagues,

Cellulose is one of the oldest raw materials that has been used by human for hundreds of years. Additionally, it is also the most common organic compound on Earth. Due to its unique structure and excellent properties, such as renewability, biocompatibility, biodegradability, chemical stability, and derivatizabilty, cellulose has diverse applications, e.g., papers, textiles, building materials, composites, among others. However, there are still a number of challenges that hinder the use of this readily available and renewable natural polymer.

Science and technology are starting to turn towards renewable resources and eco-friendly processes. Materials based on natural polymers, including cellulose, have thus attracted great attention. In particular, the development of new and "green" solvents for cellulose provides efficient and eco-friendly platforms for cellulose shaping and chemical modification. More recently, new frontiers such as nanocelluloses and advancements in nanotechnologies also offer great opportunities in the field of functional materials over a broad range of applications.

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Message from the Editor-in-Chief

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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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