



## Advances in Cellulose-Based Materials

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**closed (20 January 2022)**

### Message from the Guest Editors

As civilization develops, the need to use renewable sources of "green energy" as well as materials based on natural, renewable raw substances is increasing. An important aspect of the search for new functional materials is environmental performance. Therefore, the search is focusing on materials based on natural polymers, including the most abundant polymer in nature and the main building material of plants, i.e., cellulose. Materials based on cellulose are not only those derived from chemical modifications but also various types of composites. The synthesis of cellulose composites can deliver materials with specific properties. Their use is very wide and include biomedical materials implanted in the human body for the production and storage of energy. A very interesting application is the use of cellulose in the nanoscale, such as cellulose nanofibers, as a template to obtain nanocomposites with properties suitable for electrochemical devices, e.g., fuel cells, batteries, supercapacitors, etc. This Special Issue will focus on recent progress in the development of cellulose-based materials.





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