



## New Advances in the Structure, Performance and Chemical Functionalization of Cellulose

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (5 July 2024)**

### Message from the Guest Editor

Cellulose is one of the most widely used natural polymers in the development of bio-based materials due to its clear advantages, such as renewability, profitability, and undeniable intrinsic chemical and physical properties. Nowadays, this polysaccharide has a broader scope of applications related to medicine and pharmacy (i.e., biomaterials such as scaffolds and drug delivery devices), biotechnology, the environment (i.e., enzyme and cell immobilization, removal of hazardous waste from aqueous media), chemistry and physical chemistry (i.e., adhesives and separation devices), material design (i.e., biocomposites and membranes), etc.

This Special Issue is open to contributions that address the most recent cellulose research in terms of cellulose functionalization; bacterial cellulose; chemical and structural modification and characterization; moiety interactions in modified cellulose; and its application as biodegradable materials and biomaterials, in separation devices, and in biocomposites.





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