Special Issue

Modifying the Surface Chemistry of Cellulose and Renewable Materials

Message from the Guest Editor

Cellulose is the most abundant polymer in the world, and is a renewable resource. This makes cellulose a viable candidate for substitution for other materials. However, cellulose has its own limitations. In order to overcome some of them, the surface of the cellulose could be modified in order to enhance or to add an additional functional property, for example increased hydrophobicity or hydrophilicity, antibacterial, UV-protection, adhesion, and enhanced compatibility with other materials. This Special Issue is dedicated to the surface modification of cellulose and other renewable materials, original research papers, as well as reviews, are welcome. The goal is to gather contributions on various aspects related to surface modification methods such as plasma, chemical vapor deposition, atomic layer deposition, graft copolymerization, among many others used on any cellulose, cellulose derivatives, carbohydrates, starch, and other renewable materials in any form such as fibers, nanocrystals, aerogels, hydrogels, and nanofibers.

Guest Editor

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closed (31 December 2021)

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About the Journal

Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.
We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

Editor-in-Chief

Prof. Dr. Martin J. D. Clift
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