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Nanocellulose-Based Materials: Structure, Properties and Applications

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Message from the Guest Editors

Dear Colleagues,

For centuries, the usage of non-renewable materials has monopolized the development of research in almost every field. Nowadays, one of the most urgent responsibilities of our society is the replacement of such materials with sustainable alternatives. The challenge is to find suitable substitutes able to preserve or, ideally, improve the intrinsic properties of in-use substances.

In the last decades, the growing interest towards nanocellulose-based materials has demonstrated they are appropriate and reliable options. In fact, their unique physicochemical, mechanical, and optical properties; biocompatibility and biodegradability; and, also, the easy availability and the low price have led to these versatile materials being used to cover a wide range of applications, such as in biomedical devices, as conductive materials for energy storage, as ecofriendly fillers for innovative composites, as thin films for packaging, and many more.

This Special Issue will be focused on innovative modifications and novel applications of nanocellulose-based materials.



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Special Issue



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Message from the Editor-in-Chief

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