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Advances in Bacterial Cellulose Composites

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Message from the Guest Editors

Over the last few decades, bacterial cellulose (BC) has been established as one of the most studied and modified biopolymers. Today, BC composites, having impressive features, are mostly designed and synthesized for targeted applications. Therefore, specific characteristics such as biocompatible, antimicrobial, magnetic, conducting, or mechanical special characteristics of BC composites can be expected, opening important fields of cutting-edge applications, from artificial organs to optoelectronic or display devices using BC and BC composites as substrate materials.

The main focus of the Special Issue, “Advances in Bacterial Cellulose Composites”, is to present an update on the newest strategies for synthesis of BC and BC composites, to exceedingly boost their applications: From the development of biomedical devices, attachment of biological molecules, and combinations with pharmaceutical materials; to optoelectronics, conducting devices, displays, sensors or bio-sensors, and other advanced materials.

We invite you to submit original research articles, review articles, commentaries, and editorials discussing the use of BC and BC composites, in the most varied fields.

Deadline for manuscript submissions:

closed (31 December 2021)



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Special Issue



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Message from the Editor-in-Chief

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