Special Issue

Advances in Bacterial Cellulose Composites

Message from the Guest Editors

Over the last few decades, bacterial cellulose (BC) has been established as one of the most studied and modified bioplymers. 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.

Guest Editors

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Prof. Dr. Cristina Elena Dinu-Pirvu

Deadline for manuscript submissions

closed (31 December 2021)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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