



Advances in Bacterial Nanocellulose-Based Materials

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Message from the Guest Editors

Dear Colleagues,

Bacterial nanocellulose is a remarkable hydrocolloidal bacterial exopolysaccharide with singular properties that run the gamut from in situ moldability and shape retention, to high purity and water-holding capacity, biocompatibility, biodegradability, and unique mechanical properties. Furthermore, the application horizons of this nanoscale form of cellulose (and materials thereof) have been expanded to multiple fields, from those in the food industry (e.g., packaging) to specific technological (e.g., sensors and fuel cells) and biomedical (e.g., wound healing, tissue engineering, and 3D bioprinting) applications.

This Special Issue of *Materials* will gather the recent advances of top scientists in the field of bacterial nanocellulose-based materials with a focus on their production, properties, and applications. Therefore, bacterial nanocellulose-based materials assembled with distinct macromolecules and molecules, such as natural and synthetic polymers, bioactive compounds, and inorganic nanoparticles, are more than welcome for this Special Issue on “Advances in Bacterial Nanocellulose-based Materials”.





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Message from the Editor-in-Chief

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