



Cellulose-Based Biosensing Platforms

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Message from the Guest Editors

Dear Colleagues,

As the most abundant renewable biopolymer in nature, cellulose is a convenient family of materials to design low-cost devices. In addition, cellulose-based materials are flexible, biocompatible, biodegradable, and amenable to straightforward functionalization, as well as mass production. These unrivaled features of cellulosic substrates—including paper, textile/thread and nanocellulose—and their fascinating simplicity of fabrication and coupling with ubiquitous technologies such as smartphones make them tailor-made biosensing platforms.

This Special Issue will be focused on cutting-edge approaches dealing with the design, fabrication, and advantageous analytical performance of cellulose-based biosensing platforms, including but not limited to paper, textile/thread, and nanocellulose-based biosensing technology. The applications portfolio may embrace medical/clinical diagnostics, health care, point-of-care-testing, environmental monitoring, food analysis or other biochemical and biological analysis.





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Message from the Editor-in-Chief

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