

Special Issue

Cellulose-Based Biosensing Platforms

Message from the Guest Editors

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.

Guest Editors

Dr. Alfredo de la Escosura-Muñiz

Prof. Dr. Eden Morales-Narváez

Dr. Erhan Zor

Dr. Hamed Golmohammadi

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Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della
Laustruccia 3, 50019 Sesto Fiorentino, Italy

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