Special Issue

Paper-Based Biosensing Platforms

Message from the Guest Editors

Cellulose is one of the most abundant biopolymers on earth. It offers advantages such as portability, sensitivity, specificity, ease of use and device independence without compromising affordability. Due to the physical and chemical flexibility of cellulose, these types of devices can be architecturally modified indefinitely, making them very attractive for biosensor applications. In addition, cellulose-based biosensors can meet the World Health Organization's criteria ASSURED for ideal diagnostic tests/devices. Cellulose thus offers excellent materials to the biosensing community for the development of innovative analytical devices. This Special Issue focuses on innovative approaches that address the design, fabrication and advantageous analytical performance of paper-based biosensor platforms. Applications may include medical/clinical diagnostics, healthcare, point-of-care testing, environmental monitoring, food analysis or other biochemical and biological analyses. Link: https://www.mdpi.com/si/109501

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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