



Paper-Based Biosensing Platforms

Guest Editors:

**Dr. Felismina Teixeira Coelho
Moreira**

BioMark@ISEP, School of
Engineering, Polytechnique
School of Porto, 4200-072 Porto,
Portugal

Dr. Gabriela Martins

BioMark@ISEP, School of
Engineering, Polytechnique
School of Porto, 4200-072 Porto,
Portugal

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

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>

Dr. Felismina Teixeira Coelho Moreira
Guest Editor





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)