

Topical Collection

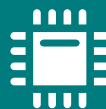
Sensors and Biosensors for Environmental and Food Applications

Message from the Collection Editors

Environmental and food analysis is a very challenging task. Chromatography and mass spectrometry have been the traditionally applied techniques for pollutants, contaminants, and nutrient analysis, including in quality control and environmental health and food safety programs. However, considering the inherent properties of sensors, there is an excellent opportunity for the application of sensor and biosensor technology. Thus, in the past few years, there has been a great effort on developing novel sensors and biosensors through interdisciplinary approaches. The remarkable characteristics of nanomaterials have ensured advanced performance of the sensors and biosensors in terms of sensitivity, selectivity, detection limit, response time, and multiplexing capability. Moreover, integration of the sensing devices into electronics-based platforms and lab-on-a-chip devices allows to yield powerful portable and cost-effective sensing devices for in situ measurements. Thus, this special issue proposes to offer the dissemination of original research and review studies that report advances, challenges and future perspectives of sensors and biosensors for environmental and food applications.

Collection Editors

Prof. Dr. Simone Morais
Dr. Álvaro Miguel Carneiro Torrinha
Dr. Iria Bravo



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/77618

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

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

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 and Instrumentation) / CiteScore - Q1 (Instrumentation)