



sensors



an Open Access Journal by MDPI

Sensors – a Weapon in the Fight against Antimicrobial Resistance

Guest Editors:

Prof. Dr. Cecilia Cristea

Department of Analytical Chemistry, Faculty of Pharmacy, Iuliu Hatieganu University of Medicine and Pharmacy, 4 Pasteur Street, 400349 Cluj-Napoca, Romania

Dr. Bogdan Feier

Faculty of Pharmacy, Iuliu Hatieganu University of Medicine and Pharmacy in Cluj-Napoca, 400347 Cluj Napoca, Romania

Deadline for manuscript submissions:

20 August 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on the latest trends in the development of (bio)sensors for the detection of antibiotics and bacteria. We are interested in examples of (bio)sensors covering the following and related topics: novel optical, electrochemical, piezoelectric, magnetic, and acoustic sensors for antibiotics and bacteria detection; the identification and detection of new bacterial biomarkers; the development of sensors using novel recognition elements (molecularly imprinted polymers, aptamers, peptides, enzymes, nanozymes, etc.); new immobilization strategies of the bioelements and new sensor materials; “lab-on-a-chip” and artificial-intelligence-assisted sensors; whole bacteria and biomarker detection; real-sample analysis: food, biological, microbiological, and environmental samples.

Review and original research papers are welcome.

Best regards,

Guest Editors



mdpi.com/si/123669

Special Issue



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](#)