

Special Issue

Sensors – a Weapon in the Fight against Antimicrobial Resistance

Message from the Guest Editors

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

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Deadline for manuscript submissions

closed (20 August 2024)



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/123669

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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.

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