

Special Issue

Portable Sensing Platforms for Environmental, Healthy and Food Safety Diagnostics

Message from the Guest Editor

This Special Issue addresses the current high demand for affordable devices that can be used by local communities in developing regions to improve healthcare, environmental safety, animal health, and food safety. Research in the field of sensors is continually developing and its evolution is focused on the production of sensors for small portable devices to allow fast, accurate, and on-site detection. For this Special Issue, authors are invited to submit articles related to the integration of different techniques that have led to the development of portable sensors and biosensors for various applications through selected examples of environmental monitoring, agri-food control, point-of-care testing for patients, detection of biological warfare agents and on-site detection, and diagnosis of plant diseases. Also, articles addressing various microfluidics/electronics/biological design strategies for biomarkers, measurement techniques, sample preparation, fluid-handling techniques, data collection and analysis challenges, and quality specifications for the development of portable biosensors are welcome. Both research papers and review articles will be considered.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2020)



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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.

Editor-in-Chief

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