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## Biological, Liquid and Gas Sensors Based on Piezoelectric Resonators

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Deadline for manuscript submissions:

**closed (18 January 2022)**

### Message from the Guest Editors

This Special Issue aims to receive submissions of both review and original research articles related to biological, liquid and gas sensors including various types of piezoelectric resonators based on bulk, surface and plate acoustic waves. Such sensors are widely used to diagnose various diseases at an early stage, to monitor the environment and to control various liquids in the food and chemical industries. These sensors include:

- biological sensors for detection and identification of microorganisms, operating with active layers containing immobilized antibodies or bacteria or without them directly in liquid phase;
- liquid sensors for measuring the mechanical and electrical properties of the liquid in contact with the resonator;
- gas sensors for detection of the analyzed gas, including a gas-sensitive layer in contact with the resonator.



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**Special** Issue



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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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