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Biological, Liquid and Gas Sensors Based on Piezoelectric Resonators

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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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Message from the Editor-in-Chief

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