



Selective Acoustic Wave Sensors and their Applications

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Message from the Guest Editor

In this Special Issue we would like to highlight the new strategies adopted to obtain high selectivity for a single acoustic sensor or sensors system, given the need to detect a large number of analytes among a large number of interfering elements. Typically, the main effort is to find the appropriate interactive element and develop an optimized device for the application of interest, but often the most useful strategies may concern signal processing (statistical methods for data processing and artificial intelligence methods for pattern recognition), deposition techniques for sensitive materials, and the use of sensor arrays or specific configurations.

- Acoustic wave sensors
- Sensitive materials and coating techniques
- Selective sensors
- Sensor systems
- Signal processing
- Chemical agents





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