



pH Sensors, Biosensors and Systems

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Message from the Collection Editors

Although paper test strips and glass electrodes are the most common pH sensors, many studies have focused on developing less fragile, miniaturized, and biocompatible sensors with higher sensitivity. The pH value can be measured through various approaches and materials, such as electrochemical and optical sensors, ion-selective field effect transistors (ISFETs), quantum dots, 2D materials, and organic compounds.

The aim of this Special Issue is to collect the latest findings in the sensors, biosensors, and systems, including mathematical approaches and machine learning techniques, for the measurement of pH.

- pH sensors
- pH biosensors
- Chemical sensors
- Optical sensors
- Electrochemical sensors
- Sensing materials (e.g., 2D, organic, inorganic compounds)
- Transistors
- pH sensing principles
- Machine learning and deep learning





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Message from the Editor-in-Chief

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