

**Special Issue on
Electrochemical Sensors for Environmental and Biomedical Applications**

Call for Papers

Simple and highly sensitive environmental and biomedical analytical methods are required in various fields. Although optical measurements based on absorbance are generally used, they require enzymes, antibodies, and/or chemicals to induce the reaction, and they are also limited in terms of sensitivity. On the other hand, electrochemical analysis is highly sensitive and can be free of toxic chemicals, so it is expected to be used in various systems. In addition, in both environmental and biomedical analysis, they can apply to real-time analysis. However, in many cases, not only selectivity, but also durability and stability of the electrode materials are possible causes of problems. In the current situation, many ideal electrochemical sensors with electrode materials having high selectivity and stability are being developed in attempts to prepare superior analytical systems. Here, we call for research papers on recent developments in electrochemical sensors in a wide range including environmental and biomedical analysis.

Scope:

- Electrochemistry
- Electrochemical biosensors
- Electrochemical environmental sensors
- Real-time measurements
- Electrode materials
- Modified electrodes
- Surface modification
- Electrocatalysis
- Fabrication

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