



## Electrochemical Detection: Analytical and Biological Challenges

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### Message from the Guest Editor

This Special Issue is dedicated to analytical and biological challenges from the electrochemical field. The innovations that are observed in the field of electrochemical detection are valuable for food quality monitoring, health diagnostics, environment, chemical process control, and forensic analysis. Despite the fast progress in the field of electrochemical detection, there is a requirement to improve sensitivity, selectivity, and stability of systems working on the electrochemical principles. Challenges in this area can be new sensitive materials, surface treatments, and innovative processes that can lead to improved parameters of existing sensors or new sensor systems.

The Special Issue will cover but not be limited to the following topics:

- Advances in electrochemical detection (potentiometry, amperometry, voltammetry, electrochemical impedance spectroscopy);
- Novel concepts' electrochemical detection;
- Preparation, modification, and characterization electrodes;
- Molecular recognition with electrochemical detection;
- Trends in analytical electrochemistry;
- Electrochemical sensors and sensor-array chemometrics;
- Applied analytical electrochemistry.





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## Message from the Editor-in-Chief

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