

Special Issue

Applications of Advanced Electrochemical (Bio)sensors in Environment, Food, and Medicine

Message from the Guest Editors

The fields of environment, food, and medicine are critical to daily life and face increasing challenges with population growth and economic development. Sensor technology, such as electrochemical sensors and biosensors, is a research hot spot due to its excellent selectivity and sensitivity. These sensors are small and portable, making them useful in both static and mobile platforms. This Special Issue focuses on the application of advanced sensors in the environment, food, and medicine. It aims to provide a platform for the publication of original high-quality research papers covering the most recent advances in these areas, as well as comprehensive reviews on the application of both the electrochemical and non-electrochemical sensing and bio-sensing technologies in these fields. The Special Issue welcomes contributions on experimental, theoretical, numerical, and computational research, including classical and advanced techniques based on enzymes, antibodies, DNA, aptamers, and nanotechnology.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2025)



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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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