Special Issue

The Application of Biosensors in Environmental Survey and Energy Production

Message from the Guest Editors

The fast growth of world energy consumption, environmental pollution, and waste discharge require sustainable energy production and waste recovery technology. The molecular and bioelectrochemical techniques for quantitative detection of microorganisms or power generation have been available for environmental survey. In recent years, many new molecular techniques, e.g., quantitative PCR and fluorescence in situ hybridization (FISH), have been developed intensively. This Special Issue mainly covers original research which relates to the abovementioned topic, including bioelectricity generation, microbial electrochemistry, environmental survey, and molecular techniques. The Special Issue aims to focus on the recent development of biosensing strategies applied to environmental survey and energy production research. Furthermore, the Special Issue provides an overview on recent achievements and stimulates ideas about the current and future research in the biosensors field. Both original papers and review articles are welcome. I look forward to receiving your outstanding research outcomes.

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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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