

Special Issue

Application of Analytical Devices in Optical Biosensing

Message from the Guest Editors

This Special Issue aims to explore the use of optical biosensors across a wide range of applications and fields, from personalized medicine to nutraceutical and agricultural uses, to environmental monitoring, to defense and security, and to astrobiology research. The applications are broad and diverse. Moreover, the combination of AI with advances in the fabrication of analytical miniaturized devices and rapid, in situ bioassays using optical biosensors plays a significant role in performing complex tasks, including perception, learning, reasoning, and decision-making, particularly when the data are too extensive for humans to process effectively.

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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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