

Special Issue

Recent Advances in Biosensors for Pharmaceutical Analysis

Message from the Guest Editors

The rapid development of biosensors has made them a critical tool in pharmaceutical research, drug development, and clinical diagnostics. Their core feature lies in integrating biological recognition elements, such as enzymes, antibodies or DNA, with physical or chemical sensors to achieve real-time, highly sensitive detection of drug molecules and their biological effects. In recent years, advancements in nanotechnology, microelectronics and bioengineering have significantly enhanced the sensitivity, specificity and stability of biosensors, enabling their important role in drug screening, drug quality assessment, drug delivery, pharmacokinetics and toxicological studies. With ongoing advancements in nanotechnology, bioengineering and information technology, biosensors are expected to see broader application and adoption in the future, playing a more significant role, especially in drug development, clinical applications and personalized medicine. This Special Issue, entitled "Recent Advances in Biosensors for Pharmaceutical Analysis", will collect reviews or original research papers on biosensors for pharmaceutical analysis.

Guest Editors

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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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