Special Issue

CRISPR-Powered Biosensing

Message from the Guest Editors

CRISPR/Cas technology won the Nobel Prize in Chemistry in 2020 for its outstanding contribution to gene editing. In addition to its application in gene editing, a large literature shows that CRISPR/Cas technology has outstanding advantages in biosensing, with high accuracy, good specificity, and fast response. More importantly, CRISPR technology is promising not only in its application to nucleic acid detection but also in the detection of other kinds of biomarkers, including heavy metal ions, small molecules, peptides, and proteins, posing a great application potential for next-generation diagnostics, agriculture, and environmental monitoring. Therefore, this Special Issue aims to present cutting-edge fundamental and applied research activities in CRISPR-driven biosensing, showcasing innovative technologies, methods, and novel integrated devices for next-generation diagnostics, agriculture, and environmental monitoring. We invite submissions that will help to advance research in the field of CRISPR-driven biosensing technologies.

Guest Editors

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Deadline for manuscript submissions

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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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