Special Issue

Advances in Nanozyme-Based Biosensors

Message from the Guest Editors

Nanozymes have great potential to be used as an alternative to natural enzymes in a variety of fields. The emerging applications of biosensors include analytical, environmental, and biomedical applications. Compared with natural enzymes, nanozymes have the merits of low cost, high stability, and large-scale production. For this Special Issue, we welcome original research papers as well as reviews of current developments in the design of nanozyme-based biosensors. This includes the design of state-of-the-art nanozyme-based biosensors for analytical, environmental, and biomedical applications. Theoretical research on nanozymes with high specific activity is also encouraged. The design and development of the catalytic mechanism of nanozymes, rational engineering of active sites, and portable/handheld nanozyme-based platforms for point-of-care applications are of particular interest. Reviews should provide an in-depth examination of the most recent research in a specific context or discuss existing and future issues related to the nanozyme field.

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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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