

Special Issue

Advances in Nanozyme-Based Biosensors for Colorimetric and Fluorescence Analyses

Message from the Guest Editors

Nanomaterials with enzyme-like activity (nanozymes) have been widely employed in the construction of optical sensors due to their advantages of high stability, good biocompatibility, and ease of modification. To date, many nanozyme-involved principles and methods have been explored and applied in clinical diagnosis, environmental monitoring, food safety control, and forensic analysis. In this Special Issue, we take particular interest in manuscripts that discuss the principles and mechanisms of detection, rational design and relevant application in the optical biosensing of nanozymes. We invite authors to contribute original research and review articles that will stimulate further basic research on the development and application of nanomaterials with enzyme-like properties. Potential topics suitable for this Special Issue include, but are not limited to, the following: the catalytic principles and mechanisms of nanozymes, detection mechanisms and design principles, and nanomaterials with enzyme-like activities for optical biosensing.

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Deadline for manuscript submissions

closed (30 April 2025)



Biosensors

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Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



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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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