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Nanocomposite-Based Biosensors: Recent Advances and Perspectives

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Deadline for manuscript submissions:

closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Nanocomposite-based biosensors are promising for sensitive, selective, and rapid detection in various fields like healthcare, environment, and food safety. Integrating nanomaterials with biorecognition elements has transformed biosensing by enhancing device performance. This Special Issue aims to highlight recent advances in nanocomposite-based biosensors.

Topics of interest for this Special Issue include, but are not limited to:

- Design and synthesis of novel nanocomposite materials for biosensing.
- Development of nanocomposite-based platforms for point-of-care diagnostics.
- Integration of nanocomposites with biofunctional molecules for enhanced biosensing.
- Fabrication and characterization of nanocomposite-based sensors.
- Challenges and future perspectives in nanocomposite-based biosensors.

Authors are invited to submit original research articles, reviews, and perspectives that address these topics. Submissions should present novel findings or approaches, demonstrating the potential impact of nanocomposite-based biosensors in advancing biosensing.



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Special Issue



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Editor-in-Chief

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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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