

Special Issue

Biosensors Equipped with Advanced Materials

Message from the Guest Editors

We are pleased to announce a Special Issue dedicated to exploring the latest advances in biosensors equipped with advanced materials such as nanomaterials, polymers, and biomimetic materials (aptamers and molecularly imprinted polymers). This collection of work will represent recent efforts to highlight novel approaches, techniques (electrochemical, surface-enhanced Raman scattering, UV-Vis, luminescent-based, field-effect transistor, surface plasmon resonance, and any other biosensors), and materials to enable the development of highly sensitive and selective biosensing platforms for the precise and accurate detection of analytes. For this Special Issue, we are looking for new research and review papers that highlight the advantages of advanced materials in biosensor fabrication. The integration of point-of-care devices is one key focus area: researchers are invited to aim to increase biosensor performance, availability, and affordability. By including contributions from leading experts in the field, we hope to stimulate further innovation to develop the most effective biosensing systems.

Guest Editors

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Prof. Dr. Lúcio Angnes

Deadline for manuscript submissions

closed (30 March 2025)



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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.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

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