# Special Issue

# Organic Materials and Devices for Biosensing and Neuromorphic Computing

## Message from the Guest Editor

In recent years, organic materials and devices have played an increasingly important role in biosensing applications. These materials offer advantages such as flexibility, biocompatibility, and tunable electronic properties, making them ideal for developing next-generation biosensors. Organic-based biosensors have been widely explored for detecting biomolecules, monitoring physiological signals, and diagnosing diseases with high sensitivity and specificity. Integrating organic electronic materials into biosensors has enabled advances in wearable, implantable, and point-of-care diagnostic systems. Beyond traditional biosensing applications, organic materials and devices also contribute to neuromorphic computing. This intersection between biosensing and neuromorphic computing is particularly exciting for applications such as brain–machine interfaces and intelligent diagnostics.

For this Special Issue, we welcome original research articles and reviews on the latest advancements in organic materials and devices for biosensing.

## Guest Editor

Dr. Tianda Fu

Pritzker School of Molecular Engineering, University of Chicago, Chicago, IL 60637, USA

## Deadline for manuscript submissions

31 January 2026

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*Biosensors*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

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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
Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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