# **Special Issue**

# Nanomaterial Based Biosensors

## Message from the Guest Editor

The fusion of biotechnology, nanotechnology, and electronics has emerged as an important research field in the past decade. Nanomaterial, with the tiny size (1–100 nm) and extraordinary properties different from the bulk form, is providing a powerful platform to generate breakthroughs for addressing the challenges in healthcare, energy, environment, and electronics. Nanomaterial based biosensors (nano-biosensors) represents a highly interdisciplinary research field that includes biology, chemistry, optics, and physics. This Special Issue aims to highlight the current progress, challenges, and applications of the nano-biosensors development. Potential topics include, but are not limited to:

- Nanostructured materials;
- Functional materials;
- Bio-inspired materials:
- Nanoelectronics;
- Biophotonics;
- Stretchable electronics;
- Microfluidic systems.

#### **Guest Editor**

Dr. Wing-Cheung (Roy) Law

Department of Industrial and Systems Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China

### Deadline for manuscript submissions

closed (5 December 2022)



# **Micromachines**

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 6.0 Indexed in PubMed



mdpi.com/si/124420

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

mdpi.com/journal/ micromachines





an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



# **About the Journal**

## Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

#### Editor-in-Chief

Prof. Dr. Ai-Qun Liu

Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

#### **Author Benefits**

#### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

## **Journal Rank:**

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

#### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

