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

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

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu
1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

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