Special Issue

Feature Review Papers in Biosensors Section 2025

Message from the Guest Editor

This Special Issue aims to review recent developments in advanced sensors and their applications in healthcare and clinical practice. Smarter, more accurate, faster, wireless, safer, self-learning, smaller, and standardized sensors are being widely developed and deployed. Many are wearable, non-restrictive, and non-contact, thus not interfering with daily life. Biocompatible materials are also being used to create sensors that are beginning to see clinical use. In addition, AI is increasingly applied to diagnosis and treatment, supporting the development of new sensors for disease prevention and prediction.

- Sensors that predict and prevent disease and improve the quality of daily life;
- Challenges and opportunities in the development of innovative sensing devices;
- Biosensors for microelectromechanical systems (MEMSs) and nanoelectromechanical systems (NEMSs);
- Wearable sensors and energy harvesting systems;
- Sensors with the rapid development of fifth-generation (5G) cellular network technology;
- Key technologies influencing sensor design and innovation;
- Internet of Medical Things and Internet of Health Things.

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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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