Special Issue

Recent Innovations in Biosensors for Chemical Analysis

Message from the Guest Editor

Biosensors, regarded as a pivotal branch of modern analytical technology, are gaining prominence in research, product development, and investment. Biosensors are positioned to directly detect primary analytes, rendering them tools across diverse applications and giving them the potential to revolutionize fields such as healthcare, environmental monitoring, and biotechnology. Due to their remarkable compatibility and versatility, biosensors offer a dynamic platform for integrating various fabrication and detection technologies. Includes cutting-edge methodologies: nanotechnology, microfluidics, electrochemical detection, and optical technologies. This Special Issue seeks to accomplish the following objectives:

- Investigate novel channels and methodologies for developing biosensors based on new functional materials and innovative sensing principles.
- Establish a platform for exchanging research experiences in biosensors, providing academic support for an expanding initiative to advance the development of biosensors.
- Promote the broader utilization of biosensors across various fields.

Guest Editor

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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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