Special Issue

Innovations in Biosensors, Gas Sensors and Supercapacitors

Message from the Guest Editor

Dear Colleague, This Special Issue aims to focus on the latest innovations in microsystem technologies that are transforming glucose monitoring, gas detection, and supercapacitor. It invites submissions that investigate novel nanomaterials and nanocomposites with enhanced electrochemical properties, improved surface area and porosity, and superior charge storage capabilities. Special emphasis is placed on advancements in gas sensor utilizing various sensing mechanism, electrochemical glucose sensor, and supercapacitor energy storage application. By showcasing interdisciplinary research and novel fabrication technique, we aim to provide comprehensive insight into the design and optimization of microsystem. The goal is to highlight their significant impact on healthcare, environmental monitoring, and renewable energy solution. Researchers are encouraged to submit their work on these advanced materials and technologies, contributing to advancement in electrochemical sensor and energy storage system. This Special Issue will underscore the potential of cutting-edge microsystem innovation to drive progress in critical field and foster the development of sustainable technology.

Guest Editor

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Message from the Editor-in-Chief

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