Special Issue

Biosensors: Emerging Technologies and Real-Time Monitoring

Message from the Guest Editor

This Special Issuecalls for cutting-edge contributions on biosensor systems engineered for real-time monitoring. We welcome original research papers, reviews, and short communications that present novel sensor architectures; advanced functional materials, including smart composites; improved signal-processing devices and approaches: and seamless integration with AI/ML or Internet-of-Things frameworks for data interpretation. Particular emphasis falls on wearable and implantable devices, point-of-care diagnostics, electrochemical and optical transduction schemes, breath-analysis technologies, energy-frugal sensing strategies, and environmental applications. By gathering these studies in one venue, we aim to accelerate the translation of laboratory innovation into robust, deployable biosensing solutions.

Guest Editor

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Message from the Editor-in-Chief

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