

## Special Issue

# Biosensors: Emerging Technologies and Real-Time Monitoring

### Message from the Guest Editor

This Special Issue calls 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.

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### Guest Editor

Dr. Velmurugan Thavasi

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### Deadline for manuscript submissions

31 October 2026



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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