

## Special Issue

# Advanced Sensors and Instrumentation for In-Vivo and In-Situ Biological Monitoring

### Message from the Guest Editors

We welcome contributions on the development and integration of novel miniaturized microscopes, wearable or implantable biosensors, electrochemical sensing platforms, optical or photonic devices, and embedded systems designed for long-term or real-time observation of biological processes. Special emphasis is placed on enabling continuous data acquisition without disrupting the biological system under study. This Special Issue also seeks interdisciplinary approaches combining microfabrication, embedded electronics, photonics, materials science, and bioengineering in order to overcome existing limitations in size, stability, and environmental compatibility. Authors are encouraged to submit original research articles, reviews, or application notes showcasing validated systems or new concepts with clear relevance to in-vivo or in-situ biological monitoring.

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### Guest Editors

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### Deadline for manuscript submissions

20 June 2026



## Sensors

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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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