

Special Issue

Advanced Sensing Systems for Biological Monitoring

Message from the Guest Editors

This Special Issue aims to highlight recent innovations and breakthroughs in advanced sensing systems for biological monitoring and we invite contributions that explore the development, implementation, and application of these technologies in various biological and ecological domains. We invite high-quality contributions on topics including, but not limited to, the following:

- Smart and autonomous sensor networks for real-time biological monitoring;
- AI-driven image and signal processing techniques for biological data analysis;
- Remote and underwater sensing technologies for biodiversity assessment;
- UAVs and satellite-based sensing for ecological monitoring;
- Bio-inspired and bio-integrated sensors for environmental applications;
- IoT-enabled biological monitoring systems and data fusion techniques;
- Applications of machine learning in biological monitoring and species recognition;
- Innovations in wearable and implantable biosensors for wildlife and human health monitoring;
- Advanced data analytics and predictive modeling for biological system behavior;
- Case studies and field applications of biological monitoring technologies.

Guest Editors

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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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