

## Special Issue

# Biomedical Sensing and Bioinformatics Processing

### Message from the Guest Editors

Biomedical sensing and imaging technologies are not only significant for the early detection, rapid diagnosis, and precise treatment of diseases, but they also align with key societal values and offer numerous benefits to societies worldwide. These technologies encompass a range of techniques and devices that enable the non-invasive monitoring, diagnosis, and treatment of various medical conditions. In this Special Issue, we welcome the submission of papers that explore the various aspects of health monitoring by introducing novel imaging and/or sensing methods with pre-clinical/clinical applications, including, but not limited to, the following areas: - AI and deep learning in biomedical sensing and imaging - Photoacoustic imaging and applications - Optical coherence tomography - Super-resolution imaging - Multi-photon imaging - Functional near-infrared spectroscopy - Multi-modality imaging - Molecular imaging and therapy - Contrast-enhanced optical and ultrasound imaging - Medical AI: classification, object detection, and segmentation using biomedical imaging data

### Guest Editors

Dr. Min Shi

Dr. Yan Luo

Dr. Yu Tian

Dr. Wenfeng Zhao

### Deadline for manuscript submissions

30 October 2025



## 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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