

Special Issue

Optical Sensing for Biomedical Applications

Message from the Guest Editors

This Special Issue “Optical Sensing for Biomedical Applications” aims to provide a forum for researchers involved in bioengineering and bioelectronics to report their significant results and developments or to provide an overview of research focused on the recent advances and in optical sensing and/or imaging technologies and methodologies for basic research, preclinical/clinical, and biological applications. This Special Issue concludes the following topics, but not limited to:

- Optical sensing/imaging modalities
- Novel methods, algorithms, and principles in optical detection and biological diagnosis
- Applications of optical biosensors and optical probes in medical diagnostics, healthcare, cell biology, agriculture, environmental monitoring
- Methods to address issues of existing optical biosensors, concerning the fabrication, miniaturization, sensitivity, selectivity, applicability, accuracy, and biocompatibility
- Computer-aided detection/diagnosis
- AIs for biomedical image and signal data analysis

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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