Special Issue

Optical Sensors for Advanced Biomedical Applications

Message from the Guest Editors

Over the last few decades, significant achievements have been accomplished in the field of optical sensors, namely in novel detection approaches, biosensing, microfabrication technologies, and integration in biomedical devices, featuring significant advancements in terms of functionality, versatility, and integration capabilities. In this Special Issue, we welcome submissions (review articles, original research papers, and brief communications) contributing to the latest advances and challenges in optical sensors for advanced biomedical applications. Both experimental and simulation studies may be considered, aiming to report research and progress in their integration in the fields of, but not limited to, lab- and organ-on-a-chip devices, sensing and control systems for microfluidics. diagnosis and therapeutics, microfabrication of optical sensor devices, and the modeling and simulation of optical microsystems.

- diagnostics and therapeutics
- integrated optics
- lab-on-a-chip
- microelectronics
- optics
- sensors
- modeling and simulation

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Message from the Editor-in-Chief

Editor-in-Chief

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