



Development and Validation of Biophotonic Sensors towards Research, Industrial and Clinical Applications

Guest Editor:

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Message from the Guest Editor

This Special Issue focuses on the development and validation of novel biophotonic sensors for their targeted applications, and advances in optical techniques for next-generation devices. Contributions are invited for this Special Issue from researchers working on hardware and software development of biophotonic sensors.

Topics of interest include, but are not limited to, the following:

- Validation of existing sources, light-shaping devices, detectors and data processing approaches for novel applications.
- Optimization of novel or existing software for real-time, high accuracy and/or high-throughput sample analysis.
- Investigation of new biomarkers, imaging and spectroscopy features and applications.
- Development and performance of new detectors.
- Development and performance of new sources and light-shaping devices.
- Development and performance of novel 2D or 3D imaging sensing systems.
- Development and performance of lab-on-a-chip devices.
- Development and performance of novel computational imaging approaches, including compressive sensing and machine/deep learning techniques.





sensors



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Message from the Editor-in-Chief

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