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Advanced Biophotonic Sensors

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Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editor

Biophotonics is an interdisciplinary field exploring the interaction between light and biological materials including tissues, cells, and molecules in living organisms. Recent progresses on biophotonics researches have resolved numerous scientific issues which have not been addressed by using conventional technologies in the fields of biomedical, environmental, pharmaceutical, and clinical studies, leading to innovative and state-of-the-art sensing technologies.

This Special Issue is dedicated to advanced biophotonic sensors in those fields and open to contributions ranging from spectroscopy, microscopy, nanoscopy, photonic point-of-care testing, photonic therapeutics and diagnostics, photonic lab-on-a-chip, cytometry, and neurophotronics, to novel imaging and sensing technologies. Machine- or deep-learning-based biophotonic sensing technologies are also encouraged.

- Spectroscopy/Microscopy/Nanoscopy
- Photonic point-of-care testing
- Photonic therapeutics and diagnostics
- Photonic lab-on-a-chip
- Cytometry
- Neurophotronics
- Novel imaging and sensing
- Machine- or deep-learning-based biophotonic sensing



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Special Issue



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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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