



Advanced Biophotonic Sensors

Guest Editor:

Prof. Dr. Sungkyu Seo

Department of Electronics and
Information Engineering, Korea
University, Sejong 30019, Korea

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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 neurophotonics, 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
- Neurophotonics
- Novel imaging and sensing
- Machine- or deep-learning-based biophotonic sensing





sensors



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Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
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