



sensors



an Open Access Journal by MDPI

Optical Imaging and Biophotonic Sensors (OIBS)

Guest Editor:

Dr. Shyqyri Haxha

Department of Electronic
Engineering Egham, School of
Engineering, Physical and
Mathematical Sciences, Royal
Holloway University of London,
Egham TW20 0EX, UK

Deadline for manuscript
submissions:

closed (20 September 2022)

Message from the Guest Editor

Dear Colleagues,

The Optical Imaging and Biophotonic Sensors (OIBS) research field is experiencing significant development, primarily in bioimaging, optical spectroscopy imaging, biosensors, nanosensors, integrated photonics and optical lab-on-a-chip sensing systems, relying on the state-of-the-art optical and photonic technology, including instrumentation and measurement biophotonics methods and devices as research tools to understand the cellular origin of diseases. These advanced imaging and photonic-based sensor systems offer major multi-functionalities that deliver greatly increased penetration, resolution, simultaneous sensitivity and selectivity and depth of focus operating in remote environments.

The aim of this Special Issue is to explore the advanced progress in research findings and photonics-based engineering technologies related to OIBS for far-reaching applications in imaging, biosensing, environmental, pharmaceutical, medical (using optical imaging spectroscopy), chemical and nano-optic sensors consisting of biologically or biophysically-derived sensing elements.



mdpi.com/si/84066

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

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

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)