

Special Issue

Advanced Spectroscopy, Imaging and Sensing in Biomedicine

Message from the Guest Editors

Now, and in the future, spectroscopy and photonics will be a strong key enabler for many techniques that can be exploited for high-resolution bioimaging and biosensing at cellular, intracellular and bulk tissue levels. This SI intends to capitalize on the recent progress in advanced spectroscopy, imaging, and sensing for the investigation of biological systems. Fluorescence microscopy, Raman/SERS imaging, and single molecule microscopy are but a few of the advanced photonic techniques emerging as powerful tools to study the response of biosystems at the level of single cells, or even single molecules, because they are non-invasive, offer high detection sensitivity, and allow functional imaging at micro- or nano-scale resolution. To promote the latest advances in exploring spectroscopic/imaging approaches for the identification, understanding, and treatment of diseases, from the cellular/molecular level to macroscopic applications, we invite the submission of original research or review articles to this SI.

Guest Editors

Dr. Anna Chiara De Luca

Dr. Stefano Managò

Dr. Ilaria Rea

Deadline for manuscript submissions

closed (15 June 2020)



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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.

Editor-in-Chief

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