

Special Issue

Fluorescence Imaging and Sensing

Message from the Guest Editors

Since the Nobel Prize in Chemistry was awarded to three physicists in 2014 for their contributions to the development of super-resolution fluorescence microscopy, a sharp rise in fluorescence imaging-related publications has been witnessed in various journals. In particular, with the invention of novel laser sources, sensors, system architectures, and image-analyzing methods, fluorescence imaging is now a routine diagnostic method in clinical settings, and enhances research in life sciences, such as cell screening, tissue measurement, drug discovery, and ion/molecule sensing. Here, we propose a Special Issue to highlight “Fluorescence Imaging and Sensing”, aiming to provide a valuable forum where researchers can share their most recent advanced techniques, high-performance components, and applications of fluorescence imaging. Topics covered may include, but are not limited to:

- Sensors for fluorescence signal detection;
- Laser sources for fluorescence excitation;
- Components for fluorescence signal processing;
- Methods for fluorescence imaging/detection;
- Applications of fluorescence imaging/detection;
- Algorithms for fluorescence image analysis.

Guest Editors

Prof. Dr. Cheng Lei

Institute of Industrial Sciences, Wuhan University, Wuhan 430072, China

Dr. Marco Chino

Department of Chemical Sciences, University of Naples “Federico II”, 80100 Naples, Italy

Deadline for manuscript submissions

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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

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

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