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## Fluorescence Imaging and Sensing

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Deadline for manuscript  
submissions:

**closed (20 June 2024)**

### 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.



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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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