

Special Issue

Recent Advances in Optics and Photonics for Biosensing and Bioimaging Applications

Message from the Guest Editors

Biosensing and bioimaging techniques based on optics and photonics technology offer the capability of non-destructive detection of biomolecules in a variety of biomedical applications ranging from basic science investigations to clinical diagnosis. The focus of this issue is to provide an interdisciplinary forum for state-of-the-art developments in both fundamental and technological aspects of biosensing and bioimaging fields, including the recent progress and trends in optical sensing, spectroscopy, imaging, and their applications in diagnostics and therapeutics. Those techniques suitable for point-of-care diagnostics in low-resource regions are particularly encouraged. Both original research and review articles are accepted.

Topics include but are not limited to:

- Optical biosensing
- Optical bioimaging
- Development of cost-effective devices for optical spectroscopy and imaging
- Smart phone based optical spectroscopy and imaging
- Lab-on-chip development for point-of-care optical diagnostics in low-resource regions

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2022)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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