

Special Issue

Design and Applications of Optical Microscopy Imaging System

Message from the Guest Editors

The design of optical microscopy imaging systems is rapidly becoming increasingly important due to the wide range of applications of optical microscopy imaging in related fields such as biology, medicine, and materials. Over the past few decades, a series of advancements in optical devices and control methods have made optical microscopy imaging systems more influential in biomedical imaging. This Special Issue will focus on comprehensive study of the design and applications of optical microscopy imaging systems spanning designing methods, analyzing methods, and microscopy application. Original research articles and perspectives are welcome from multidisciplinary research fields, with a focus on topics including, but not limited to:

- The novel design of optical microscopy systems for biomedical optical imaging.
- New applications of optical microscopy systems.
- The exploitation and application of fluorescence lifetime imaging systems.
- The exploitation and application of optical super-resolution imaging systems.
- Photoacoustic imaging, photoacoustic microscopy, and photoacoustic tomography.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)



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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec,
CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.8 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the first half of 2024).