Special Issue

Optical Technologies for Diagnosis and Monitoring

Message from the Guest Editor

Innovative technologies have greatly impacted medicine by facilitating the early detection and staging of diseases, by guiding the development and selection of personalized treatment, and by offering efficient therapeutic modalities. Among the wide range of optical imaging approaches, which encompasses microscopic, mesoscopic, and macroscopic optical imaging techniques, are emerging as powerful non-invasive modalities for functional and molecular imaging of in vitro, ex vivo, and in vivo specimens. The scope of this Special Issue is to provide a source of information to review and share recent developments in novel optical technologies based on functional and molecular optical imaging techniques. We invite investigators to contribute original research and review articles that will stimulate the continuing translational efforts to bring optical imaging from the bench to the bedside. Sample includes but are not limited to:

- Rapid diagnostic optical technologies
- Low-cost, easy to use optical technologies
- Wearable optical devices
- Point of care optical devices
- Optical monitoring devices at the bedside, intensive care units

Guest Editor

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Deadline for manuscript submissions

closed (1 December 2021)

Technologies

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 8.5

mdpi.com/si/48569

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Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.8 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).