

Special Issue

Fiber Optic Sensors in Biomedical Applications

Message from the Guest Editors

This Special Issue welcomes papers covering the latest developments and trends in fiber optic sensors in biomedicine and healthcare. We warmly invite researchers to submit original research papers, communications, and review articles dealing with the recent advances, open challenges, and future perspectives in this field. Topics of interest include, but are not limited to, the following:

- Fiber-optic-based sensors, biosensors, and wearables for healthcare applications;
- Non-invasive and minimally invasive monitoring techniques based on fiber optic sensors for biomedical purposes;
- Fiber optic sensors in therapy and diagnosis;
- Embedding and packaging of fiber optic sensors in biomedicine;
- Integration of nanomaterials with fiber-optic-based systems;
- Optical sensors validation in ex vivo and in vivo experimental studies;
- Development of fiber-optic-based techniques or instrumentation for healthcare;
- Numerical versus experimental comparisons;
- Medical devices based on optical sensors;
- Post-processing of fiber optic sensor data and use of machine learning algorithms.

Guest Editors

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Prof. Dr. Agostino Iadicicco

Prof. Dr. Stefania Campopiano

Deadline for manuscript submissions

closed (10 July 2024)



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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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