

Special Issue

Optical Sensors: Science and Applications

Message from the Guest Editor

Optical sensors have attracted worldwide attention because of their high sensitivity, good electrical insulation, anti-electromagnetic interference, small size, light weight, low transmission loss, large transmission capacity, remote control monitoring and multi-point distributed measurement. To effectively utilize the advantages of optical sensors over traditional sensors, it is vital to study and explore the sensing ability of optical sensors in a range of situations. This Special Issue aims to showcase the latest research on the perception function of optical sensors in different scenarios, with a particular emphasis on the perception of the external environment. We seek papers on the use of optical sensors in different scenarios, such as extreme environmental monitoring, marine environmental monitoring, biological environmental awareness, etc. Potential topics include (but are not limited to): New optical fiber functional devices; Extreme environmental monitoring; Marine environmental monitoring; Earth's magnetic field monitoring; Biomimetic environmental monitoring; Multi parameter cooperative sensing.

Guest Editor

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Deadline for manuscript submissions

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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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