Special Issue

Fiber Optic Sensors: Advances, Technologies and Applications

Message from the Guest Editor

We are pleased to invite you to contribute to this Special Issue of *Photonics*, titled "Fiber Optic Sensors: Advances, Technologies and Applications." Fiber optic sensing represents a transformative technology, renowned for its exceptional advantages, including high sensitivity, immunity to electromagnetic interference, compact size, and capability for distributed and remote measurements in harsh environments. Driven by continuous innovation in materials science, fabrication techniques, and data analytics, the field is rapidly expanding into new and demanding applications across scientific and industrial domains. This Special Issue aims to collate high-quality research and review articles that showcase the latest breakthroughs in fiber optic sensing. The scope encompasses fundamental advances in sensor design and materials, novel interrogation and signal processing technologies, and cutting-edge applications that demonstrate the real-world impact of these devices. We seek to provide a comprehensive overview of the state of the art, fostering interdisciplinary dialogue and highlighting future directions.

Guest Editor

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Deadline for manuscript submissions

31 October 2026

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Impact Factor 1.9
CiteScore 3.5

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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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