Special Issue

Cutting-Edge Developments in Fiber Laser

Message from the Guest Editors

The fiber laser is a well-known solid-state laser which uses doped fiber as a gain medium. Compared to other types of lasers, the unique properties of fiber lasers offer several advantages, such as high power, good beam quality, waveguide structure, high efficiency, reliability, and compact size. In recent years, the fiber laser is replacing traditional bulk lasers in many areas. This Special Issue aims to track the recent developments of fiber lasers. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Mode-locking techniques;
- Narrow-linewidth lasers;
- Optical frequency combs;
- Mid-infrared fiber lasers;
- Super continuum;
- Q-switched fiber lasers;
- Raman fiber lasers;
- Semiconductor optical amplifiers;
- Fiber laser applications;
- Fiber laser and AI.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 August 2025)

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Photonics

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mdpi.com/si/200811

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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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