Special Issue

Innovations in Fiber Laser Technology

Message from the Guest Editors

Innovations in fiber laser technology have enabled the fast progress of fiber lasers over the past six decades, ranging from visible to mid-infrared wavelengths, and the maximum output power has reached 150 kW through beam combination. The temporal properties of fiber lasers span continuous wave, quasi-continuous wave and pulsed operation, with pulse durations ranging from ms to fs. The beam profiles of fiber lasers can be extensively customized through specially designed fibers and electronic servo systems. Although the development of fiber lasers is prominent, recently emerging techniques such as artificial intelligence have brought fiber lasers into a more innovative era, making fiber lasers smarter, more efficient, more powerful and more practical. We believe that innovations in fiber laser technology will further drive their development and applications.

Guest Editors

Dr. Yi An

Dr. Jiaxin Song

Dr. Hanshuo Wu

Deadline for manuscript submissions

closed (10 February 2025)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/210908

Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

mdpi.com/journal/photonics

MDPI

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/journal/photonics

MDPI

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.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).