Special Issue

Specialty Optical Fibers, Fiber Lasers and Their Applications

Message from the Guest Editors

Due to the rapid development of optical fiber technology and fiber component base, in recent years, significant progress has been made in the field of fiber lasers and amplifiers, nonlinear pulse dynamics, sensing and telecommunications. Special interest in fiber-based coherent sources is determined by the possibility of realizing robust and compact schemes with unprecedented beam quality, output power level scale, and flexibility of the lasing regimes. Moreover, being a unique nonlinear medium, optical fibers facilitate a dramatic progress in the field of nonlinear phenomena and pulse dynamics. The purpose of this Special Issue is to highlight the recent achievements in the field of specialty optical fibers, fiber fabrication techniques, fiber-based lasers and amplifiers, and their applications for medicine, environment analysis, micromachining, communication, and other aims. This Issue is intended to attract the interest of a wide scientific audience to one of the most rapidly developing research areas – fiber technology and related applications.

Guest Editors

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Deadline for manuscript submissions

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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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